



HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR 6, PANCHKULA.

E-mail: hspcbestt@gmail.com

No. HSPCB/Estt./2022/4394-4402

Dated: 16/06/2022

To

192<sup>nd</sup> Meeting of  
HSPCB

Date: 22.06.2022

Time: 11.00 A.M.

1. Sh. P. Raghavendra Rao,  
Chairman, Haryana State Pollution Control Board,  
C-11, Sector-6, 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 Principal Secretary to Govt. Haryana,  
Urban Local Bodies Department.
5. The Principal Secretary 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. S. Narayanan, IFS,  
Member Secretary,  
Haryana State Pollution Control Board, Panchkula.

Subject: 192<sup>nd</sup> meeting of the Haryana State Pollution Control Board to be held on 22.06.2022 at 11.00 A.M.

Kindly refer to letter No. HSPCB/Estt./2022/4342-50 dated 13.06.2022 on the subject cited above.

Please find enclosed herewith the Agenda Notes for the 192<sup>nd</sup> meeting of the Board to be held on 22.06.2022 at 11.00 AM under the Chairmanship of Sh. P. Raghavendra Rao, Chairman, Haryana State Pollution Control, in the Conference Room of HSPCB, C-11, Sector-6, Panchkula.

It is further informed that if any member desires to attend the meeting through video conferencing; he will be provided the meeting link accordingly before the commencement of the meeting. Therefore, you are requested to inform whether you will attend the meeting through Video Conferencing or in person.

You are requested to make it convenient to attend the above said meeting.

DA/Agenda Notes

S. Narayanan  
16/6/22  
Member Secretary, HSPCB

# INDEX



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

**INDEX**

Agenda Items for the 192<sup>nd</sup> meeting of the Board under the Chairmanship of Sh. P. Raghavendra Rao, Chairman, Haryana State Pollution Control Board to be held on 22.06.2022 at 11.00 AM in the Conference Room of HSPCB, C-11, Sector-6, Panchkula are as under:-

<b>Item No.</b>	<b>Subject</b>	<b>Page</b>
192.01	Confirmation of the minutes of 191 <sup>st</sup> meeting of the Haryana State Pollution Control Board	01/1-01/5
192.02	Action taken on the Minutes of 191 <sup>st</sup> meeting of the Haryana State Pollution Control Board held on 08.04.2022.	02/1-02/3
192.03	Regarding categorization of Building and Construction Projects, Construction and Demolition (C&D) Waste Processing Plants, Gold Assaying & Hallmarking Centers under Consent Management of the Board.	03/1-03/63
192.04	Preparation of exhaustive emission inventory of PM10 from various sources of District Mahendragarh in the matter of OA No. 667/2018 titled "Mahendra Singh Vs State of Haryana and Ors.", OA No. 679/2018 titled "Tejpal Vs. State of Haryana and Ors." And OA No. 599/2019 titled "Bishamber Singh Vs State of Haryana and Ors."	04/1-04/45
192.05	Adoption of retirement gratuity and death gratuity scheme to the employees of Haryana State Pollution Control Board covered by new defined Contributory Pension Scheme (Known as NPS).	05/1-05/13
192.06	Annual Report of the Haryana State Pollution Control Board for the year 2019-20.	06/1-06/102

**AGENDA ITEM NO. 192.01**

**CONFIRMATION OF THE MINUTES OF  
191ST MEETING OF THE HARYANA  
STATE POLLUTION CONTROL BOARD**

01/1

**Agenda Item No. 192.1**

**Confirmation of the Minutes of the  
191<sup>st</sup> meeting of the Haryana State  
Pollution Control Board.**

The minutes of 191<sup>st</sup> meeting were circulated to all the Members of the Board vide this office Memo No. HSPCB/Estt./2022/EG-36/1978-1986 dated 13.04.2022 (copy of the same enclosed).

No observations from any Member have been received. The Board may confirm the Minutes of the 191<sup>st</sup> Meeting.

Minutes of 191<sup>st</sup> meeting of the Haryana State Pollution Control Board, Panchkula, held at 11.00 AM on 08.04.2022 under the Chairmanship of Sh. P. Raghavendra-Rao, Chairman, Haryana State Pollution Control Board, Panchkula.

The 191<sup>st</sup> meeting of the Haryana State Pollution Control Board was convened at 11.00 AM on 08.04.2022 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. Devender Singh, IAS, Additional Chief Secretary to Government Haryana, Town & Country Planning Department and Sh. Mohammed Shayin, IAS, Managing Director, Haryana Power Generation Corporation Ltd.

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

**Agenda Item No. 191.1**

Confirmation of the Minutes of 190<sup>th</sup> meeting of the Haryana State Pollution Control Board.

Minutes of 190<sup>th</sup> meeting were confirmed.

**Agenda Item No. 191.2**

Action taken on the minutes of the 190<sup>th</sup> meeting of the Haryana State Pollution Control Board held on 02.02.2022.

Action taken on the decisions taken in the 190<sup>th</sup> meeting of the Board was noted.

**Agenda Item No. 191.3**

To conduct paperless meetings of the Board of Directors of Haryana State Pollution Control Board.

It was decided that the main Agenda Items would be circulated in hard-copy but bulky annexes/enclosures would be circulated in e-format, by providing suitable hyperlink.

**Agenda Item No. 191.4**

Regarding amendment in qualification of Board's Analyst prescribed in Haryana (Prevention and Control of Water Pollution) Rules, 1978 and Haryana Air (Prevention and Control of Pollution) Rules, 1983.

The Agenda item was deferred.

**Agenda Item No. 191.5**

Amendment in Water (Prevention and Control of Pollution) Rules, 1978 – regarding Terms and Conditions of Service of Chairman, Haryana State Pollution Control Board.

The proposal contained in the Agenda Note was approved, with the condition that there will be no financial benefit in lieu of the un-utilized leave, if any.

**Agenda Item No. 191.6**

Amendment of financial power delegated at serial No. 25 & 26 of the financial powers delegation by the Board in its 174th meeting.

The proposal contained in the Agenda Note was approved.

**Agenda Item No. 191.7**

Revised procedure for examining, assessing, and imposing the Environmental Compensation on Industrial Units or Other Authorities, found violating the provisions of the various Acts & Rules, in the state of Haryana – Ex-post facto approval.

The proposal contained in the Agenda Note was approved.

**Agenda Item No. 191.8**

**Purchase of plots for newly opened Regional Offices.**

The Chairman explained that the proposal for purchase of a plot for the sub-head quarter may be excluded from the list as the matter will be taken up separately with the Environment & Climate Change Department for accommodating the sub-head quarter in the building to be constructed jointly by the Environment Department and the Board at IMT Manesar. The proposal was approved accordingly.

**Agenda Item No. 191.9**

Adoption of standards of effluent under Water Act, 1974 and standards of emission under Air Act, 1981 notified by the MOEF and amendment thereof.

The proposal contained in the Agenda Note was approved.

**Agenda Item No. 191.10**

Quantification and contribution of paddy stubble burning emissions in Haryana to PM2.5 concentration in its surrounding cities and Delhi.

The Board took note of the study report findings placed in the meeting.

**Agenda Item No. 191.11**

**Regarding hiring of office building for Sub Regional Head Quarter, HSPCB.**

ACS, Environment pointed out that the space indicated appeared to be on higher side with reference to the staff proposed. The Chairman explained that the office space will also include the office rooms for the Chairman and Member Secretary, Conference Room and the Board's water and air testing Laboratory. After discussion, the proposal to hire about 5000 Sq. Ft of area for the above purposes from the Housing Board at the indicated rate, was approved.

01/4

Agenda Item No. 191.12

To approve/adopt the Audited Balance Sheet and Income and Expenditure Account of the Board for the Financial Year 2017-18.

The proposal contained in the Agenda Note was approved.

Agenda Item No. 191.13

Budget Estimate of Haryana State Pollution Control Board for the Financial year 2022-23.

The proposal contained in the Agenda Note was approved. The Chairman assured that adequate funds will be provided for creating awareness amongst the public on environmental issues and for publicity.

Agenda Item No. 191.14

Regarding amendment in delegation of powers under the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 and Rules framed under the Environment Protection Act, 1986.

The proposal contained in the Agenda Note was approved.

Agenda Item No. 191.15(S)

Appointment of Board Analyst in Haryana State Pollution Control Board.

The proposal contained in Agenda Note was approved.

Agenda Item No. 191.16(S)

Amendment in Service Regulations, 2021 regarding qualification for direct recruitment to the post of Assistant Environmental Engineers in the Board.

The proposal contained in the Agenda Note was approved .

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

\*.\*.\*.\*.\*



LIST OF PARTICIPANTS

1. Sh. P. Raghavendra Rao  
Chairman, Haryana State Pollution Control Board,  
C-11, Sector-6, Panchkula.
2. Sh. Apoorva Kumar Singh, IAS  
Additional Chief Secretary to Govt. Haryana,  
Environment and Climate Change Department  
Through VC
3. Sh. Arun Kumar Gupta, IAS  
Principal Secretary to Govt., Haryana,  
Urban Local Bodies Department  
Through VC
4. Sh. Vijayendra Kumar, IAS  
Principal Secretary to Government Haryana,  
Industries and Commerce Department.
5. Sh. Navdeep Singh, IPS  
Principal Secretary to Government Haryana,  
Transport Department.  
Through VC
6. Sh. Pankaj Goel, IFS  
Managing Director,  
Haryana Forest Development Corporation, Panchkula
7. Sh. S. Narayanan, IFS,  
Member Secretary,  
Haryana State Pollution Control Board, Panchkula.

# **AGENDA ITEM NO. 192.02**

**ACTION TAKEN ON THE MINUTES OF  
191ST MEETING OF THE HARYANA  
STATE POLLUTION CONTROL BOARD  
HELD ON 08.04.2022.**

**Agenda Item No. 192.2**                      **Action taken on the Minutes of 191<sup>st</sup> meeting of the Haryana State Pollution Control Board held on 08.04.2022.**

The action taken report on the minutes of 191<sup>st</sup> meeting of the Board held on 08.04.2022 is as under:-

**Agenda Item No. 191.1**

**Confirmation of the Minutes of 191<sup>st</sup> meeting of the Haryana State Pollution Control Board.**

Minutes of 191<sup>st</sup> meeting were confirmed.

**Agenda Item No. 191.2**

**Action taken on the minutes of 190<sup>th</sup> meeting of the Haryana State Pollution Control Board held on 02.02.2022.**

Action taken on the decisions taken in 190<sup>th</sup> meeting of the Board was noted.

**Agenda Item No. 191.3**

**To conduct paperless meetings of the Board of Directors of Haryana State Pollution Control Board.**

As decided, henceforth, the main agenda of the Board meetings will be circulated in hard copy and bulky annexures/enclosures will be sent through e-mail.

**Agenda Item No. 191.4**

**Regarding amendment in qualification of Board's Analyst prescribed in Haryana (Prevention and Control of Water Pollution) Rules, 1978 and Haryana Air (Prevention and Control of Pollution) Rules, 1983.**

The agenda item was deferred.

**Agenda Item No. 191.5**

**Amendment in Water (Prevention and Control of Pollution) Rules, 1978 – regarding Terms and Conditions of Service of Chairman, Haryana State Pollution Control Board.**

The terms and conditions of service of Chairman, Haryana State Pollution Control Board have been revised by the Government vide Memo No. 2/22/2008-1Env dated 08.06.2022 and included the provisions of Earned Leave and Causal Leave.

**Agenda Item No. 191.6**

**Amendment of financial power delegated at serial No. 25 & 26 of the financial powers delegation by the Board in its 174<sup>th</sup> meeting.**

All concerned officers were informed for compliance.

Agenda Item No. 191.7

02/2

Revised procedure for examining, assessing, and imposing the Environmental Compensation on Industrial Units or Other Authorities, found violating the provisions of the various Acts & Rules, in the state of Haryana – Ex-post facto approval.

The agenda item was for ex-post facto approval and concerned officers were already informed.

Agenda Item No. 191.8

**Purchase of plots for newly opened Regional Offices.**

The Board has requested to HSVP for allotment of plots vide letter dated 05.05.2022.

Agenda Item No. 191.9

**Adoption of standards of effluent under Water Act, 1974 and standards of emission under Air Act, 1981 notified by the MOEF and amendment thereof.**

The minutes were forwarded to the concerned officers for compliance.

Agenda Item No. 191.10

**Quantification and contribution of paddy stubble burning emissions in Haryana to PM2.5 concentration in its surrounding cities and Delhi.**

Agenda Item was for information only and no action is required.

Agenda Item No. 191.11

**Regarding hiring of office building for Sub Regional Head Quarter, HSPCB.**

The Housing Board, Haryana vide letter No. 1430 dated 09.06.2022 has agreed for renting out 5000 Sq. Ft. area @ Rs. 35 per Sq. Ft. to Haryana State Pollution Control Board for opening of Sub-Regional Head Quarter and Water and Air Testing Laboratory at Gurugram.

Agenda Item No. 191.12

**To approve/adopt the Audited Balance Sheet and Income and Expenditure Account of the Board for the Financial Year 2017-18.**

The audited balance sheet for the financial year 2017-2018 has been sent to the Government vide letter No. 62 dated 22.04.2022.

Agenda Item No. 191.13

**Budget Estimate of Haryana State Pollution Control Board for the Financial year 2022-2023.**

The agenda and minutes were forwarded to the concerned officers for compliance.

Agenda Item No. 191.14

02/3

Regarding amendment in delegation of powers under the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 and Rules framed under the Environment Protection Act, 1986.

Decision taken has been put on public domain i.e. website of HSPCB for compliance by all concerned.

Agenda Item No. 191.15(S)

**Appointment of Board Analyst in Haryana State Pollution Control Board.**

The Government vide Notification No. 2/30/2012-1Env. dated 6<sup>th</sup> June, 2022 under the Water (Prevention and Control of Pollution) Act, 1974 and No. 2/30/2012-1Env. dated 6<sup>th</sup> June, 2022 under the Air (Prevention and Control of Pollution) Act, 1981 has notified the name of Sh. Narender Hooda, Scientist-'B' as Board Analyst.

Agenda Item No. 191.16(S)

**Amendment in Service Regulations, 2021 regarding qualification for direct recruitment to the post of Assistant Environmental Engineers in the Board.**

The proposal has been sent to the Government vide letter No. HSPCB/Estt./2022/2461 dated 20.04.2022.

# **AGENDA ITEM NO. 192.03**

**REGARDING CATEGORIZATION OF  
BUILDING AND CONSTRUCTION  
PROJECTS, CONSTRUCTION AND  
DEMOLITION (C&D) WASTE  
PROCESSING PLANTS, GOLD  
ASSAYING & HALLMARKING  
CENTERS UNDER CONSENT  
MANAGEMENT OF THE BOARD.**

Agenda Item No. 1923

103/1  
Regarding categorization of Building and construction projects, Construction and demolition (C&D) Waste Processing Plants Gold Assaying & Hallmarking Centers under consent management of the Board

The Central Pollution Control Board (CPCB) vide letter no. B29012/ESS (CPA)/2015-16/8526 dated 07.03.2016 issued directions to all SPCBs / PCCs under section of 18(1)(b) of the Water Act, 1974 and the Air Act, 1981 and issued subsequent directions regarding categorization of industrial/non-industrial sector/project under Red, Orange, Green and White Categories. Based upon the directions issued by the CPCB, Haryana State Pollution Control Board (HSPCB) vide its order Endst. No. HSPCB/ 2020/ PLG/ 1767- 1795 dated 04.12.2020 (Annexure-I) (amending order Endst. No. HSPCB/2018/517-546 dated 25.02.2018) issued consent procedure for grant of consent to establish and consent to operate under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 along with consolidated list of industrial/non-industrial sector/projects covered under Red, Orange, Green and White Categories.

As per the provisions of 18(1)(b) of Water Act, 1974 and Air Act, 1981, every State Board shall be bound by such directions issued by the Central Board or the State Government.

CPCB vide letter no CPCB/IPC-VI/ROGW/4962 dated 12.01.2021 (Annexure-II) issued categorization of following three sectors:-

1. Building and construction projects, having built-up area up to 20,000 m<sup>2</sup> and waste generation  $\geq$ 50 KLD under Orange category of consent management.
2. Construction and demolition (C&D) Waste Processing Plants under Orange category of consent management.
3. Gold Assaying & Hallmarking Centers under Orange category of consent management.

HSPCB has already constituted a Committee of officers for categorization of new/left over industrial sectors/projects for consent management. The categorization issued by the CPCB was placed before the Committee, in its meeting held on 10.02.2021. The Committee found that HSPCB has already categorized, building and construction projects having quantity of waste water generation  $\geq$ 100 KLD irrespective of their built-up area under Red category @ Sr. No. 64, building and construction projects having quantity of waste water generation 10 KLD to 100 KLD, irrespective of their built-up area, under the Orange category @ Sr. No. 21 and Construction and Demolition (C&D) waste processing and recycling units under the Orange category @ Sr. No. 105. The Committee recommended that (1) category of 'Gold Assaying & Hallmarking Centers' may be added under the Orange Category of consent management; (2) CPCB may be requested to issue classification of building and construction projects based on quantity of waste water generation on the pattern of classification of Railway Stations clearly indicating quantity of waste water and respective category; and (3) CPCB may be informed about already categorization of building and construction projects based on waste water discharge by the HSPCB.

In view of above, Board may consider and approve the adding of category of 'Gold Assaying & Hallmarking Centers' under the Orange Category of consent management in the order issued vide Endst. No. HSPCB/2020/PLG/1767- 1795 dated 04.12.2020 (as amended)

The matter is placed before the Board for consideration and approval please.



# HARYANA STATE POLLUTION CONTROL BOARD

C-11 Sector-6, Panchkula  
Ph - 0172-577870-73, Fax No. 2581201  
E-mail- hspcbho@gmail.com

Annexure - 1

03/2

## Office Order

Whereas, the Board vide Head Office order Endst. No. HSPCB/2018/517-546 dated 26.02.2018 has issued consent procedure for grant of consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 based upon the directions issued by CPCB vide its letter no. B-29012/ESS (CPA)/2015-16/9526 dated 07.03.2016 to all the State Pollution Control Boards u/s 18(1)(b) of Water Act, 1974 and Air Act, 1981; and

Whereas, Central Pollution Control Board (CPCB) has issued directions under section 18 (1)(b) of the Water (Prevention and Control of Pollution) Act 1974 vide letter no. B-29016/ROGW/IPC-VI/2020-21/ dated 30.04.2020 regarding categorization of some new Industrial sectors and listing of Non-Industrial Operations (Activities/ Facilities/ Infrastructure/ Services) and subsequent letter no. B-29016/ROGW/IPC-VI/2020-21/ dated 10.07.2020 regarding categorization of Dairy Farm and Gausbala; and

Whereas, in compliance of above directions of CPCB and recommendations by the committee constituted vide office order endst. no. 6802-6855 dated 03.05.2016 for categorization of new or left over industrial sectors/projects, the Board has reviewed all the earlier office orders regarding the categorization of the Industrial/ Non-Industrial Sector/Project/Unit for the purpose of consent mechanism.

In view of above and in supersession of consent procedure alongwith consolidated list of Industrial Sector/Project covered under Red, Orange, Green and White categories was issued vide No. HSPCB/2018/517-546 dated 26.02.2018 (as amended thereof), the amended procedure for obtaining consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 alongwith amended categorization of Red, Orange, Green and White category of Industrial/ Non-Industrial Sector/Project/Unit/unit under the consent management of the Board is given as Annexure-P.

These orders shall come in to force with immediate effect.

Dated Panchkula, the  
3<sup>rd</sup> December, 2020

Ashok Kheterpal,  
Chairman

Dated: 04-12-2020

Endst. No. HSPCB/PLG/2020/ 1767-93

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

1. All Branch Incharges dealing with consent management in Head Office of the Board.
2. All Regional Officers of the Board in the field.
3. Nodal Officer of the HSPCB, Haryana Enterprises Promotion Centre (HEPC), Bay No. 63-64-65-66, Sector 2, Panchkula.
4. Branch Incharge -IT Cell.

Sr. EE (PLG)  
For Chairman

Dated: 04-12-2020

Endst. No. HSPCB/PLG/2020/ 1794-95

A copy of the above is forwarded to the following for information of the officers:-

1. PS to Chairman
2. PA to Member Secretary

Sr. EE (PLG)  
For Chairman



## Haryana State Pollution Control Board

### Procedure for obtaining consent to establish and consent to operate under Water Act, 1974 & Air Act, 1981.

In pursuance of the provisions of section 25, 26 and 27 of Water (Prevention and Control of Pollution) Act, 1974 read with Rule 22 of the Haryana Water (Prevention and Control of Pollution) Rules, 1978 and section 21 of the Air (Prevention and Control of Pollution) Act, 1981 read with Rule 15 of the Haryana Air (Prevention and Control of Pollution) Rules, 1983 as amended from time to time and approval of the Board in its 178<sup>th</sup> meeting held on 30.01.2018, vide agenda item no. 178.22, the following revised comprehensive procedure for grant and refusal of the consent to establish and consent to operate under Water Act, 1974 and Air Act, 1981 after incorporating all the policy orders and instructions and new categorization of Industrial/ Non-Industrial Sector/Project/Unit issued by the Board from time to time, is laid down in supersession of earlier procedure for grant of consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 issued vide Head Office order Endst. No. HSPCB/2018/517-544 dated 26.02.2018 and all other orders issued in this regard before issue of this procedure:-

#### 1. General Provisions.

- 1.1 All the Industrial/ Non-Industrial Sector/Project/Unit have been categorized under Red, Orange, Green and White categories based upon their pollution potential and range of pollution index for the purpose of consent management under Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 on the direction of CPCB issued under section 18 (1) (b) of Water Act, 1974 and Air Act, 1981 vide letter no. 8-29012/ESS(CPA)/2015-16 /8571 dated 07.03.2016 in supersession of earlier categorization of Industrial Sector/Project/Unit issued vide notification dated 15.04.2014 and amended from time to time. The revised list of Industrial/ Non-Industrial Sector/Project/Unit categorized under Red, Orange, Green and White categories for the purpose of consent management and inventrization of Industries under these categories under Water Act, 1974 and Air Act, 1981, has already been adopted by this Board and implemented vide Head Office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 and subsequently vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017, Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017 and consent procedure alongwith consolidated list of Industrial Sector/Project covered under Red, Orange, Green and White categories was issued vide No. HSPCB/2018/517-544 dated 26.02.2018 and subsequent order no. HSPCB/2018/1312-1336 dated 29.06.2018, HSPCB/PLG/20195095 dated 15.02.2019 and HSPCB/PLG/2019/507-531 dated 15.10.2019 and consolidated lists of Industrial/Non Industrial Sector/Project covered under Red, Orange, Green and White categories, are given at Annexure-I to IV respectively.

## Haryana State Pollution Control Board

### Procedure for obtaining consent to establish and consent to operate under Water Act, 1974 & Air Act, 1981.

In pursuance of the provisions of section 25, 26 and 27 of Water (Prevention and Control of Pollution) Act, 1974 read with Rule 22 of the Haryana Water (Prevention and Control of Pollution) Rules, 1978 and section 21 of the Air (Prevention and Control of Pollution) Act, 1981 read with Rule 15 of the Haryana Air (Prevention and Control of Pollution) Rules, 1983 as amended from time to time and approval of the Board in its 178<sup>th</sup> meeting held on 30.01.2018, vide agenda item no. 178.22, the following revised comprehensive procedure for grant and refusal of the consent to establish and consent to operate under Water Act, 1974 and Air Act, 1981 after incorporating all the policy orders and instructions and new categorization of Industrial/ Non-Industrial Sector/Project/Unit issued by the Board from time to time, is laid down in supersession of earlier procedure for grant of consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 issued vide Head Office order Endst. No. HSPCB/2018/517-544 dated 26.02.2018 and all other orders issued in this regard before issue of this procedure:-

#### 1. General Provisions.

- 1.1 All the Industrial/ Non-Industrial Sector/Project/Unit have been categorized under Red, Orange, Green and White categories based upon their pollution potential and range of pollution index for the purpose of consent management under Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of pollution) Act, 1981 on the direction of CPCB issued under section 18 (1) (b) of Water Act, 1974 and Air Act, 1981 vide letter no. B-29012/ESS(CPA)/2015-16 /8571 dated 07.03.2016 in supersession of earlier categorization of Industrial Sector/Project/Unit issued vide notification dated 15.04.2014 and amended from time to time. The revised list of Industrial/ Non-Industrial Sector/Project/Unit categorized under Red, Orange, Green and White categories for the purpose of consent management and inventrization of industries under these categories under Water Act, 1974 and Air Act, 1981, has already been adopted by this Board and Implemented vide Head Office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 and subsequently vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017, Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017 and consent procedure alongwith consolidated list of Industrial Sector/Project covered under Red, Orange, Green and White categories was issued vide No. HSPCB/2018/517-544 dated 26.02.2018 and subsequent order no. HSPCB/2018/1312-1336 dated 29.06.2018, HSPCB/PLG/20195095 dated 15.02.2019 and HSPCB/PLG/2019/507-531 dated 15.10.2019 and consolidated lists of Industrial/Non Industrial Sector/Project covered under Red, Orange, Green and White categories, are given at **Annexure-I to IV** respectively.

- 1.2 The Industrial/ Non-Industrial Sector/Project/Unit categorized as Red, Orange and Green, have been covered under consent management for obtaining prior consent to establish (CTE) and consent to operate (CTO) under section 25/26 of the Water Act, 1974 and under section 21 of the Air Act, 1981.
- 1.3 The Industrial/ Non-Industrial Sector/Project/Unit falling under white Category as per **Annexure-IV**, are exempted from Consent Management for the purpose of obtaining CTE and CTO under Water Act, 1974 and Air Act, 1981 and there is no necessity for obtaining the CTE and CTO by the industries covered under white category and other units not covered under Red, Orange and Green categories and intimation to the Board in this regard shall suffice.

However, this type of units will have to provide required pollution control devices to meet the prescribed standards for discharge of environmental pollutants, where ever required, depending upon their process and activities and these Industrial/ Non-Industrial Sector/Project/Unit shall be governed by self regulatory regime and are not permitted to pollute the environment.

No inspection of White category of Industries will be carried out by the Board officials except in the cases where any complaint is received against such type of industries for causing pollution.

- 1.4 The Industrial/ Non-Industrial Sector/Project/Unit already existing and not covered previously under consent management as per notification dated 15.04.2014 or earlier but have been covered under consent management now as per new categorization of industrial sectors appended with this procedure, shall obtain only CTO and will not require to obtain the CTE.
- 1.5 Siting of the Industries / projects shall be only in confirming areas and no industry/project shall be permitted to establish or operate in the ecologically fragile area / protected area or in any non confirming areas or in the residential areas of MCs / HUDA / villages and in any other approved residential colonies / areas.
- 1.6 The units covered under Environment Impact Assessment (EIA) Notification dated 14.09.2006, as amended from time to time, shall apply for Consent to Establish to the Board only after obtaining prior Environmental Clearance from the Competent Authority.
- 1.7 The Industrial/ Non-Industrial Sector/Project/Unit falling in the area prescribed in the Aravali Notification dated 7<sup>th</sup> May, 1992 issued by MoEF & CC, shall require prior clearance from competent authority prescribed under the Aravali Notification, before applying to the Board for CTE or 1<sup>st</sup> CTO in case of new units covered under consent management as per new categorization of projects listed in this procedure.
- 1.8 The report regarding siting of the projects outside the Aravali area in the Districts of Gurgaon & Mewat, shall also be taken for the purpose of Consent to Establish (CTE) or first CTO in case of new units covered under consent management as per new categorization of projects listed in this procedure, from Tehsildar and District Forest Officer through the concerned

Deputy Commissioner, to ensure the compliance of the provisions of Aravali Notification dated 7<sup>th</sup> May, 1992 in addition to other prescribed documents. However, in case of Industrial/ Non-Industrial Sector/Project/Unit located in approved industrial estates/approved HUDA sectors of District Gurgaon and Mewat, verification report in this regard would be required from Regional Officer concerned.

- 1.9 The projects falling in the revenue estates, covered in ambit of the Notification no. 191(E) dated 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon, shall comply with the provisions of said Notification and will obtain the prior permission/clearance of the Monitoring Committee and the Prescribed Authority constituted under the said Notification before submitting the application for CTE to the Board.
- Prior permission/clearance from competent authority shall also be required in case of other similar protected areas declared by the MoEF & CC, Government of India or any prescribed authority from time to time.
- 1.10 For obtaining CTE in case of the Hot Mix Plants, Screening Plants, Grinding/pulverizing units, poultry farms and Stone crushers, the project proponents will also submit the distance regarding the siting parameters prescribed by the Government of Haryana, Environment Department for these projects, provided by the concerned authorities prescribed in the respective notifications, in addition to other prescribed documents for obtaining CTE, to ensure the compliance of the prescribed siting parameters before grant of the CTE.
- 1.11 The units proposed to be setup outside approved industrial areas/estates, will necessarily provide the information in the application form regarding detail of land i.e. Khasra/Kila nos. of the land where the unit has to be established. In case of approved industrial area/estates, the plot no. allotted by the concerned authority will have to be mentioned in the application. The detail of land or plot no. of the unit will be mentioned in the CTE to be granted by the Board.
- 1.12 CTE will be granted only for the operation/ process for product (s) or activities for which the plot has been allotted or CLU permission has been given by the concerned authorities. In case, later on concerned authorities allowed change in product (s) or activity at such specified location in that eventuality, the concerned unit is entitled for CTE for the such changed product (s) or activities at such specified place.
- 1.13 All the units shall provide all necessary facilities for sampling of air or emission from any of their chimney, flue or duct, plant or Vessel of any other sources and outlets, stationery or mobile including necessary facilities for access to the sampling places, as specified by the Board before applying for first CTO as per provisions of Rule 18 of Haryana Air (Prevention and Control of Pollution) Rules, 1983 as amended from time to time.
- 1.14 The performance security deposited along with the application for CTE, shall be refunded / returned on the recommendation of concerned Regional Officer automatically without taking any request from the units in this

regard, after installation of the required and adequate pollution control devices, compliance of all the conditions of CTE & first CTO and submission of satisfactory analysis reports of effluent/ air emissions/ noise levels, as applicable, from all sources within the stipulated time period prescribed in first CTO, showing all the results complying with the standards prescribed for discharge of pollutants under EP Rules, 1986 and/or laid down by the HSPCB if any.

The performance security so deposited will be forfeited in case the unit fails to comply with any of the conditions of CTE or first CTO or the standards prescribed by the Board / under EP Rules, 1986 as amended from time to time, for discharge of Environmental Pollutants or if 1<sup>st</sup> CTO is refused.

- 1.15 The consent to operate can be granted even to those units which have past violation of their establishment without obtaining CTE provided these type of units are complying with all the relevant provisions of Environmental Acts/Rules and standards for discharge of environmental pollutants prescribed under EP Rules, 1986 as applicable, subject to the legal action is taken against such units by filing the prosecution case in Special Environment Court for such past violations under relevant Acts before granting of CTO and subject to imposing a specific condition that CTO so granted is without prejudice to the action taken for prosecution in respect of past violation committed by the unit and CTO so granted will have no effect on the persecution case filed by the Board against such units for past violation in the Court under the relevant provisions of the Water Act, 1974 and/or Air Act, 1981.

No ex-post facto CTE will be given in such cases of past violation as no such provisions is available in Water Act, 1974 and/or Air Act, 1981.

- 1.16 In case the unit is covered under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 and Bio-Medical Waste Management Rules, 2016, it shall simultaneously apply for the grant of authorization/registration under the relevant provisions of these Rules.

- 1.17 The units which intend to increase quantity of effluent or no. of outlets or no. of stacks/ source of emissions, as compared with the quantity for which consent to establish and consent to operate was previously granted or intend to make any expansion in the existing project or change in manufacturing process, such units will obtain the fresh prior consent to establish, for such change.

In case of change of machinery of latest technology in existing units without increase in production or without any change in the manufacturing process, there will be no need to obtain fresh CTE.

- 1.18 All the applications for CTE and CTO shall be processed within time period prescribed by the Board for all the concerned officers dealing with the consent management at Regional as well as at Head Office level and it will

be ensured by all the concerned officers that the applications are decided within the time limit prescribed by the Board.

- 1.19 Thrust will be given that all units obtain CTO for 5 years in case of Red category, 10 year in case of Orange category and 15 years in case of Green Category of industries.
- 1.20 In case any unit changes its nomenclature (name) only, then such unit will apply on the prescribed performa given at **Annexure-A**, through the concerned Regional Office of the Board for grant of permission for change of its name in CTE/CTO and in other records of the Board, alongwith the documents as given in the Checklist of the documents given at serial no. 1 of **Annexure-1**.

Regional Officer will submit the details and his recommendation to Head Office for approval on the prescribed performa given at **Annexure-B**.

In case there is only change in the ownership of the unit without change in its nomenclature (name), the copy of fresh memorandum of article & association or partnership deed or proof of proprietorship, as the case may be, shall be submitted through the concerned Regional Office who in turn will forward a copy of the same to Head Office alongwith his comments.

- 1.21 Where a unit, to whom consent has been granted by the Board, transfers his interest in the industry to any other person/unit, by its sale or otherwise, such consent shall be deemed to have been granted to such other person/unit after grant of permission by the Board for the same and such other person/unit shall be bound to comply with all the conditions subject to which it was granted as if the consent was granted to such other person/unit originally.

In such cases the unit transferring his interest in the industry to any other person/unit, will intimate the Board for the same through concerned Regional Office and request to allow transfer of his interest in the industry on the prescribed format given at **Annexure-C** alongwith the documents as given in the Checklist of the documents given at serial no. 2 of **Annexure-F**.

Regional Officer will submit the details and his recommendation to Head Office for approval on prescribed performa given at **Annexure-D**.

- 1.22 Where an existing unit is purchased or taken on lease by another unit and the new unit apply to the Board for grant or renewal of CTE/CTO in his name such units will first obtain the permission for change of name and other details of the existing unit, purchased or taken on lease by such units, in the record of the Board including transfer of interest of such industry in their name for which an application for the same on the prescribed performa given at **Annexure-C**, alongwith the documents as given in the Checklist of the documents given at serial no. 2 of **Annexure-F**, through concerned Regional Office.

Regional Officer will submit the details and his recommendation to Head Office for approval on the prescribed performa given at **Annexure-D**.

- 1.23 Applications for change of name of the unit or transfer of interest in the industry to any other person/unit, will be decided at the level of Head Office on the recommendation of concerned Regional Officer.
- The concerned Branch in Head Office dealing with consent management, will submit the proposal to the authorities on the format on the prescribed performa given at **Annexure-E** for approval.
- 1.24 First CTO for expansion of projects, shall be valid for a period up to which the CTO for their existing project already stand granted and in case 1st CTO for expansion project is applied alongwith the application for renewal of CTO for existing project then validity of such CTO shall be the same for both expended and existing projects.
- 1.25 The provisions of inspection policy issued by the Board shall be strictly complied.
- 1.26 No unit shall be established and operated by any person without obtaining prior CTE and CTO respectively under Water Act, 1974/ Act, 1981 from the Board. If the unit after grant of CTE/CTO, intends to shift to another site/location then it will take the fresh CTE for the establishment at the new site/location.

## 2. Procedure for grant of consent to establish (CTE) for new units

### 2.1 Consent to Establish for new units

- 2.1.1 The new Industrial/ Non-Industrial Sector/Project/Unit falling under Red, Orange and Green Categories listed as **Annexure-I, II & III** respectively, shall apply for Consent to Establish of the Board through the on-line portal of Haryana Enterprises Promotion Centre (HEPC), in the prescribed form alongwith requisite NOC/CTE fee as prescribed by the Board from time to time and will be deposited through online payment gateway as per fees schedule available on the website of the Board i.e. [hspcb.gov.in](http://hspcb.gov.in)
- 2.1.2 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 2.1.3 All documents applicable for respective Industrial/ Non-Industrial Sector/Project/Unit mentioned in the checklist given at **Annexure-V**, will be submitted by the units while applying for CTE, by uploading the same on the online portal.
- 2.1.4 The units while submitting the application for obtaining CTE, shall also submit a performance security through online payment gateway as per the slab given at **Annexure-VI** or revised from time to time, alongwith undertaking by the applicant as per specimen given at **Annexure-VII**, signifying adherence to the prescribed standards, all the conditions of CTE and indicating awareness about the provisions of the Water Act, 1974/Air Act, 1981 and applicable Rules and self



certification regarding not starting of any construction or installation work at site.

- 2.1.5 No inspection is required for the purpose of dealing the cases of CTE unless any violation come to the notice of the Board and undertaking/self certification submitted by the unit, will be considered sufficient to decide the CTE applications, subject to submission of complete application alongwith prescribed documents, consent fee and performance security.
- 2.1.6 If at any stage it is found that the work at the site of the unit was/has been started for construction of plant and installation of machinery before obtaining the consent to establish under Water Act, 1974 and Air Act, 1981 from the Board, legal action will be taken in that case against such units by filing the prosecution case in Special Environment Court for such violations under relevant provisions of the said Acts before or even after grant of CTE, as the case may be.
- 2.1.7 The validity period of CTE so granted by the Board will be as under: -
- (i). The CTE for the projects requiring Environmental Clearance, shall be granted for a period upto 07 years subject to the validity of Environmental Clearance or the date of commissioning of the project, whichever is earlier.
  - (ii). The CTE, for the projects not requiring Environmental Clearance, shall be granted for a period upto 05 years including stone crushers, hot mix plants, screening plants, brick kilns etc. or the date of commissioning of the project, whichever is earlier.

## 2.2 Renewal/Extension of Consent to Establish

- 2.2.1 The units intending for auto renewal of their CTE from the Board, shall apply through online portal of HEPC at least 90 days prior to the date of expiry of the period of previous CTE, in prescribed Performa with declaration and undertaking as per **Annexure-VIII** alongwith the prescribed CTE/NOC fees and documents prescribed for extension of CTE as per checklist given in **Annexure-V**.
- 2.2.3 This application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/board of directors / partners of the unit.
- 2.2.4 The consent to establish will be renewed on the basis of self certification only in those cases where there is no change in the raw material, process, product, increase in overall capital investment cost on land, building, plant and machinery, production capacity and also in pollution load of the unit and will remain the same as declared by the unit in its original application submitted earlier to the Board for obtaining first CTE.



- 2.2.5 The CTE will be renewed only once and for a period of maximum 02 years from the date of expiry of the period of first CTE granted subject to validity of EC if applicable.
- 2.2.6 The units where the CTE has earlier been granted as per provisions of policy notification dated 15.04.2014 and/ or extended upto the eligible period as prescribed in the said notification or less, those units will apply for renewal of CTE for remaining period as applicable as per provisions prescribed in this procedure in Para no. 2.1.5 plus another 02 years (Subject to validity of EC if applicable).
- 2.2.7 The facility for renewal of CTE can be availed for one term only subject to payment of requisite NOC/CTE fees. Such units will deposit requisite NOC/CTE fees for renewal of consent to establish only applicable for one time alongwith the application for auto renewal.
- 2.2.8 In case the unit fails to apply for renewal of CTE before 90 days of expiry of CTE and apply there after upto the date of expiry of CTE then 50% performance security deposited by the unit at the time of obtaining the first CTE, will be forfeited and such units will be required to deposit the forfeited amount of performance security along with application for renewal of CTE. In case of the units which fail to apply for renewal of CTE within the validity period of previous CTE, 100% performance security will be forfeited and direction will be issued to such units by the Board to stop the further construction and installation work of their project.

The units which fail to apply for renewal of CTE within validity period of previous CTE, shall apply afresh along with all relevant documents, NOC/CTE fees and fresh performance security required for grant of fresh CTE with documentary proof that they have not done any work for construction or installation of machinery after expiry of validity period of CTE.

Where ever it come to the notice of the Board at any stage that any unit, applied for extension of CTE or has been extended the CTE, has done any construction or machinery installation work after expiry of validity of CTE, legal action under the relevant provisions of Water Act, 1974 and/or Air Act, 1981 will be taken against such units in that case for such violation.

- 2.2.9 Inspection will not be carried out by the Board's officers for processing the applications for extension/renewal of CTE, except in the cases where any complaint or report has been received in the Board regarding any violation made by the unit.
- 2.2.10 Those units which have been granted CTE but do not want to continue the work for construction and installation of their project beyond the validity period of their CTE, shall submit an undertaking in this regard to the Board, at least 30 days prior to the date of expiry of previous CTE, on prescribed format given at **Annexure IX**, giving the detail about the status of their project constructed and established till the date of submission of such undertaking.

Such units will not start the work for further construction/ installation of their project, without obtaining prior CTE for remaining work of establishment of their project and shall apply for extension as per policy, as and when it is intended to resume the remaining construction/Installation work of this project, alongwith the required documents prescribed for extension of CTE, CTE/NOC fees as applicable and self declaration to the effect that they have not done any work at site or construction or installation of machinery after expiry of validity of previous CTE granted by the Board. In case any violation in this regard come to the notice of the Board at any stage then CTE will be refused/cancelled beside taking legal action.

No fresh performance security will be required for such type of cases.

- 2.2.11 In case of building & construction projects or township and area development projects, where the validity period of license issued by Town & Country Planning Department expired after grant of CTE and applied for renewal/extension of CTE without renewal of such license, the CTE for such projects will be extended till the validity of Environmental Clearances of such projects, subject to submission of all required documents prescribed for renewal of CTE and subject to submission of proof regarding submission of their application to Town and Country Planning Department for renewal of their license, with one of the specific condition that the unit will not do any construction work of their project till the renewal of license from Town & Country Planning Department and the extension of CTE so granted will become null & void if such units fail to renew their license for their project from Town & Country Planning Department. The copy of extension of CTE so granted will also be forwarded to Director, Town & Country Planning Department for their information and necessary action.

### 2.3 Consent to Establish for Expansion of the Industries/projects

- 2.3.1 No expansion in the existing Industrial/ Non-Industrial Sector/Project/Unit covered under consent management will be done without prior CTE of the Board.
- 2.3.2 For expansion of the existing Industrial/ Non-Industrial Sector/Project/Unit falling under Red, Orange and Green Categories, the application shall be submitted for Consent to Establish of the Board under Water Act, 1974 and Air Act, 1981 through the on-line portal of the HEPC in the prescribed form alongwith documents related to CTE for expansion projects as per checklist given in **Annexure-V**, applicable performance security as per the slab given at **Annexure-VI** and requisite NOC/CTE fee prescribed by the Board as per fees schedule available on the website of the Board. The

performance security and NOC/CTE fees should be deposited through online payment gateway.

- 2.3.3 The performance security and CTE fees for expansion projects shall be charged based on the cost of the expansion project.

In case the project proponent proposes to increase the production capacity within the existing plant without adding any investment cost, then the performance security and CTE fees shall be charged on the basis of capital investment cost of the existing plant.

- 2.3.4 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 2.3.5 Inspection will not be carried out for processing the cases of CTE for Expansion of the Industrial/ Non-Industrial Sector/Project/Unit and cases of CTE for expansion will be decided on the basis of status of compliance of standards for discharge of Environmental Pollutants prescribed under EP Rules, 1986, for the existing plant of the unit supported with the latest analysis reports and valid consent to operate.
- 2.3.6 Period of CTE for expansion projects, shall be same as applicable for establishment of new units at the time of 1st CTE as well as renewal of CTE as prescribed in para no. 2.1 and 2.2 respectively.
- 2.3.7 For extension/renewal of CTE granted for expansion projects, the procedure prescribed in para no. 2.2, shall be applicable.

### 3. Procedure for Grant of Consent to Operate

#### 3.1 First Consent to operate

- 3.1.1 The Industrial/ Non-Industrial Sector/Project/Unit falling under Red, Orange and Green Categories listed in **Annexure-I, II & III** respectively, after completing the construction and installation of their project with valid CTE, shall apply for 1<sup>st</sup> consent to operate of the Board before commissioning their proposed production/activities and even before starting the trial run of such activities/trial production, through the online portal of the HEPC in the prescribed form alongwith all documents, applicable for respective Industrial sectors/projects, mentioned in the checklist given at **Annexure-X** and report on compliance of conditions of CTE and Environmental Clearance (if applicable) by uploading the same on the online portal. No documents are allowed to be submitted manually.
- 3.1.2 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 3.1.3 Requisite consent fee, as prescribed by the Board from time to time, shall also be deposited by the units while applying for CTO, through

online payment gateway, as per schedule available on the website of the Board i.e. [www.hspcb.gov.in](http://www.hspcb.gov.in).

- 3.1.4 The application shall be submitted for grant of CTO for a period, based upon the category of the project, as prescribed by the Board. However the units shall be at liberty to apply for consent to operate for lesser period also, by giving the justification for the same.
- 3.1.5 No separate trial consent will be granted and 1<sup>st</sup> consent to operate will include trial consent. The units can operate their projects only after obtaining prior CTO from Board.
- 3.1.6 At the time of obtaining 1<sup>st</sup> CTO, the industries will deposit the prescribed testing fees with the Board through online payment gateway for analyzing their samples of effluent/air emission/noise, as applicable, from the Board's laboratories. Analysis reports issued from the authorized laboratories will not be accepted for grant of first CTO.
- 3.1.7 Inspection of the industry will be carried out by the authorized officer/officers of the Board before commissioning of the production in the unit and before giving the 1<sup>st</sup> CTO, after approval from the Competent Authority, to ascertain the status regarding installation of pollution control measures/ devices undertaken at the time of obtaining the CTE, as well to assess their structural adequacy and to check the compliance of the other conditions of CTE and Environmental Clearance (if applicable), before deciding the cases of 1<sup>st</sup> CTO. The application for first CTO will be decided on the merits of the case and according to the compliance status ascertained by the Regional Officers after inspection of the unit.
- 3.1.8 In case the first CTO is refused then the performance security deposited by the unit at the time of obtaining the CTE will be forfeited and the unit will also not start its production or any of its activities at site.
- 3.1.9 The inspection of the unit will be carried out again, after grant of the 1<sup>st</sup> CTO, by the authorized officer (s) of the Board with prior approval of competent authority as per inspection policy within a period of 03 months after grant of 1<sup>st</sup> CTO for collection of samples of effluent/ air emissions/ noise, as applicable, to get the samples analyzed from the Board's Laboratories as per policy of the Board, in case sampling from the unit is required depending upon the process of the unit.
- 3.1.10 In case the analysis report of samples of Air/ effluent/ noise so collected, are found complying the standards prescribed by the Board or under EP Rules, 1986, the 1<sup>st</sup> CTO granted, will remain valid for the period for which it has been granted based upon the category of the project or as was demanded by the unit whichever is less but in case of failure of sample (s), the 1<sup>st</sup> CTO so granted will be revoked/ cancelled after following the due procedure, beside taking legal action against the unit and forfeiture of performance security

deposited by the unit at the time of obtaining the CTE, as per policy of the Board.

### 3.2 Period for consent to operate

3.2.1 Validity of period of consent to operate for different category of Industrial/ Non-Industrial Sector/Project/Unit under Water Act, 1974 and Air Act, 1981, will be as under:-

Industry/Project Category	Validity Period
Red Category	5 Years
Orange Category	10 Years
Green Category	15 Years

3.2.2 The units will be at liberty to deposit the full applicable consent fee for the whole prescribed period depending upon their category. However the units shall be at liberty to apply for consent to operate for lesser period also by giving justification for the same. The fees for consent to operate can also be deposited by the Industries in installments as per time schedule given below :-

Sr. No.	Category	Validity period of consent	Time schedule
1	Red	05 years	For the First 03 years, at the time of filing of application and for the remaining 02 years before ending the 3 <sup>rd</sup> year.
2	Orange	10 Years	For the First 04 years, at the time of filing of application, for next 03 years before ending the 4 <sup>th</sup> year and for the remaining 03 years before ending the 7 <sup>th</sup> year.
3	Green	15 Years	For the first 05 years at the time of filing the application, for next 05 year before ending the 5 <sup>th</sup> year and for the remaining 05 year before ending the 10 <sup>th</sup> years.

3.2.3 In case of the units, who opted to pay consent fee in instalments for obtaining CTO for longer period and fails to deposit the installment of consent fees within prescribed time limit, the CTO so granted will be revoked/cancelled for the remaining period for which consent fees will not be deposited, after following the due procedure.

3.2.4 In case the rates of consent fees are revised during the period of consent to operate and the unit has opted to deposit the consent fees in the installments then such units will have to deposit the consent fee at the revised / enhanced rates for the remaining period

from the date of revision of the consent fees. However, the units which have opted to deposit the full consent fees at the time of filing the application for consent to operate, will not be liable to pay the revised / enhanced consent fees in case the consent fee is enhanced during the period of consent to operate granted to those units.

- 3.2.5 The consent to operate granted shall have the validity ending as indicated in the table below:-

Sr. No.	Category	Validity month (up to)
1	Red	End of September
2	Orange	End of March
3	Green	End of December

### 3.3 Renewal of Consent to Operate

- 3.3.1 The Industrial/ Non-Industrial Sector/Project/Unit falling under Red, Orange and Green Categories listed in **Annexure-I, II & III** respectively, intending for renewal of the CTO from the Board, shall apply through the online portal of the HEPC, not earlier than 180 days and atleast 90 days before expiry of the validity period of previous CTO granted by the Board under Water Act, 1974 and Air Act, 1981, on prescribed Performa as per **Annexure-XI**, self certification and undertaking on compliance of conditions of previous consent to operate granted to the unit alongwith the requisite consent fees to be deposited through online payment gateway and the documents as mentioned in the checklist given at **Annexure-X**.
- 3.3.2 No documents are allowed to be submitted manually.
- 3.3.3 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 3.3.4 The consent to operate will be renewed only in those cases where there is no change in the raw material, process, product, Increase in overall capital investment cost on land, building, plant and machinery, production capacity and also in pollution load of the unit and will remain the same as declared in the original application for obtaining previous CTO.
- 3.3.5 The CTO will be renewed only for those units which are complying the standards prescribed for discharge of pollutants prescribed under EP Rules, 1986 and submitted all required documents and prescribed consent fees.
- 3.3.6 Renewal of CTO will not prevent the Board from taking appropriate action against the defaulting units including revoking the CTO, which will fail to comply with any of the conditions of the CTO or any relevant provisions of the Water Act, 1974 and Air Act, 1981.
- 3.3.7 If the Industrial/ Non-Industrial Sector/Project/Unit fails to apply before 90 days of the expiry of previous consent and applies 60 days before the expiry of previous consent, the unit shall have to pay

additional consent fee @ 50% of the consent fee notified under the Rules. Subsequently, if the unit fails to apply before 60 days of the expiry of previous consent and applies 30 days before the expiry of previous consent, then the unit will have to pay additional consent fee @ 100% of the consent fee applicable. If the unit fails to apply 30 days before the expiry of the previous consent, the unit will have to pay additional consent fee @ 200% of the consent fee applicable. Thereafter, the Board will take closure action under the provisions of Water Act, 1974/ Air Act, 1981 against such units for not having the valid consent to operate.

- 3.3.8 In, case the unit apply for renewal of CTO after the date of expiry of consent period or after taking the penal action as prescribed above then such applications will be entertained only if such units deposit consent fees for the longer period as per the policy of the Board depending upon the category of the unit alongwith the additional fees @ 300% of the consent fees prescribed for one year alongwith normal consent fees for subsequent years.
- 3.3.9 There will be no requirement of inspection of industries at the time of renewal of CTO. However such units will be required to submit the analysis reports of effluent, air emissions and noise levels, as applicable, from all sources issued from any of the recognized laboratories or from any of the Board's Laboratory, not more than 03 months old, showing the compliance of prescribed standards, with self certification and undertaking for compliance of the relevant provisions of Acts/Rules as applicable and adherence to the prescribed standards alongwith latest Mandatory Inspection report / analysis reports conducted by the team of officer of the Board and required documents.
- 3.3.10 The unit will be at liberty to get their samples of effluent/air emissions/noise, analyzed from Board's laboratories, for the purpose of renewal of consent to operate. In that case, the inspection will be carried out for the purpose of this sampling by the authorized officer (s) of the Board only after taking prior permission from the Competent Authority as per inspection policy of the Board.

**3.4 Procedure for obtaining Consent to Operate (CTO) by the Industrial/ Non-Industrial Sector/Project/Unit already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 as per revised categorization of industrial sectors for consent management.**

- 3.4.1 The Industrial/ Non-Industrial Sector/Project/Unit already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 in view of revised categorization of industrial sectors for consent management as per order issued vide Ends. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016, vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017 and Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017, shall not require CTE and will obtain CTO directly and apply for the same to the Board through online portal of HEPC in the prescribed form alongwith documents as mentioned in the check list given at **Annexure-XII** and requisite consent fee prescribed by the Board to be deposited through online payment gateway as per fees schedule available on the website of the Board i.e. hspcb.gov.in.
- 3.4.2 The application shall be submitted for grant of CTO for a period based upon the category of the project as prescribed by the Board. However the units shall be at liberty to apply for consent to operate for lesser period also, by giving the justification for the same.
- 3.4.3 These units will also be at liberty to deposit the applicable fee for consent to operate as per provisions given in Para No. 3.2.2 of this procedure.
- 3.4.4 These units will deposit the prescribed testing fees with the Board for analyzing their samples of effluent/air emission/noise, as applicable, only from the Board's laboratories, for obtaining the first CTO.
- 3.4.5 Inspection of these units applying for CTO will be carried out by the authorized officers of the Board after obtaining prior permission from the competent authority to verify and process the applications for CTO and for collection of the samples of effluent/air emissions/noise, as required.
- 3.4.6 Consent to operate shall be granted only in those cases where all the applicable documents as mentioned in the checklist are submitted and have installed the required and adequate pollution control measures and the standards prescribed by the HSPCB or under EP Rules, 1986 for discharge of environmental pollutants has been complied with.



#### 4. Competent Authority for deciding the applications for CTE & CTO.

- 4.1 The CTE and CTO shall be granted or refused on the merits of the case after examination, by the competent authority as per powers delegated by the Board from time to time and the approval certificates bearing digital signatures of the authorized officer, shall be issued through online system which can be downloaded by the applicants from the online portal.
- 4.2 Chairman of the Board has over all and full powers for deciding the application for CTE as well as CTO.
- 4.3 All Regional Officers of the Board have been delegated powers for grant/refusal of CTE and CTO under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, in their respective area of jurisdiction, vide order Endst. No. HSPCB/PLG-139/2016/5814-5839 dated 02.03.2016 and vide order Endst. No. HSPCB/2017/2657-2681 dated 25.01.2017 for Red, Orange and Green category of Industrial/ Non-Industrial Sector/Project/Unit having investment cost upto Rs. 10 crore or CLU cases upto 1 acre in conforming area.
- 4.4 All the cases of the Industrial/ Non-Industrial Sector/Project/Unit of Red, Orange and Green category, having investment cost more than Rs. 10 crore or CLU cases more than 1 acre in conforming area, which are submitted through the online portal of HEPC for grant of consent to establish and consent to operate of the Board under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, shall be decided by the officer of the Board on deputation with EEC/HEPC and delegated with such powers by the HSPCB for grant/refusal of CTE/CTO.

## 5. Requirement of Sampling and submission of analysis reports

- 5.1 The Industrial/ Non-Industrial Sector/Project/Unit covered under consent management, will submit analysis reports of effluent/air emissions/noise levels of DG sets, as applicable, only from the Board's laboratories at the time of obtaining 1<sup>st</sup> CTO and thereafter the industries will be at liberty to get their samples analyzed from other Govt./Semi Govt./Private laboratories recognized by Board for the purpose of renewal of CTO.
- 5.2 In the case of Mandatory Inspections, court matters, re-sampling and complaints, the samples will be analyzed from Board Laboratories.
- 5.3 The Ambient Air Quality reports will be required only in the cases of specific complaints or where there are specific directions from CPCB/MoEF&CC or from any other competent authority or where any court of law has issued direction in this regard.
- 5.4 In case water is used only for cooling purpose and being circulated completely, there would be no requirement of analysis reports of such cooling water.
- 5.5 The units which have Installed Effluent Treatment Plants/ Sewage Treatment Plants and utilizing the treated effluent for agriculture/horticulture purpose within their premises or recycling/reusing in their process of manufacturing, shall also submit the analysis reports of the samples of effluent from inlet and outlet of their ETPs/STPs and from final outlet (s) of the units, if these are different.
- 5.6 The standards prescribed under environmental laws by MoEF&CC/ CPCB are followed by the Board. Further, it is clarified that the standards to be prescribed from time to time under environmental laws by MoEF&CC/CPCB shall also be deemed to be the standards of Board. Provided that in case any stringent parameters will be prescribed by the Board on any subject where upon parameters are also provided by MoEF&CC/CPCB, the standards prescribed by the Board will be followed.  
The general standards prescribed under EP Rules, 1986 (as amended) shall be applicable on the industries for which specific standards are not prescribed.

## 6. Action against Violators

- 6.1 In case the industry is found creating such conditions that generate any type of pollution in excess of the prescribed standards or if there is any objection/ complaint received from the surrounding community & if on verification it is found that such objection/ complaint has some substance even after grant of CTE/CTO by the Board, the Board shall be at liberty to revoke/withdraw/cancel the CTE/CTO issued to such units & take legal action against such units under the provisions of the Water Act 1974, Air Act 1981 and the Environment (protection) Act, 1986, as considered appropriate.
- 6.2 Grant or renewal of CTE and CTO does not prevent the Board from revoking of those CTE and CTO including taking appropriate action against those defaulting units, where CTE or CTO has been obtained or got extended on

03/21

the basis of wrong declaration or false documents and also who fail to comply with any of the conditions of CTE granted to such units or any relevant provisions of Water Act, 1974 and Air Act, 1981 beside forfeiture of performance security deposited by the unit for obtaining CTE.

This consent procedure shall come in to force with immediate effect.

**Dated:** \_\_\_\_\_

**Chairman**

**Annexure-I****List of Red Category of Industrial/ Non-Industrial Sectors/Projects**

Sr. No.	Industrial/ Non-Industrial Sector/Project/Unit
1.	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules ,1989 as amended)
2.	Automobile Manufacturing (integrated facilities)
3.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Spent cleared metal catalyst containing copper,, Spent cleared metal catalyst containing zinc,,
4.	Manufacturing of lubricating oils ,grease and petroleum based products
5.	DG Set of capacity $\geq$ 5 MVA
6.	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black
7.	Lead acid battery manufacturing(excluding assembling and charging of lead-acid battery in micro scale)
8.	Phosphate rock processing plant
9.	Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW]
10.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt,
11.	Processes involving chlorinated hydrocarbons
12.	Sugar ( excluding Khandsari)
13.	Fibre glass production and processing (excluding moulding)
14.	Fire crackers manufacturing and bulk storage facilities
15.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Dismantlers Recycling Plants --Components of waste electrical and electronic assembles comprising accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule.
16.	Milk processes and dairy products (large, medium scale and integrated projects)
17.	Phosphorous and its compounds
18.	Pulp & Paper (waste paper based without bleaching process to manufacture Kraft paper)
19.	Coke making , liquefaction, coal tar distillation or fuel gas making
20.	Manufacturing of explosives, detonators, fuses including management and handling activities
21.	Manufacturing of paints, varnishes, pigments and Intermediate (excluding blending/mixing)
22.	Organic Chemicals manufacturing
23.	Airports and Commercial Air Strips having discharge of 100 KLD or more

Sr. No.	Industrial/ Non-Industrial Sector/Project/Unit
24.	Asbestos and asbestos based industries
25.	Basic chemicals and electro chemicals and its derivatives including manufacturing of acid
26.	Cement
27.	Chlorates, per-chlorates & peroxides
28.	Chlorine, fluorine, bromine, iodine and their compounds
29.	Dyes and Dye- Intermediates
30.	Health-care Establishment as defined in BMW Rules, having discharge of 100 KLD or more with or without incinerator
31.	Hotels having overall waste-water generation @ 100 KLD and more or having 3 star and above or having 100 rooms and above
32.	Industries engaged in recycling / .reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Lead acid battery plates and other lead scrap/ashes/residues not covered under Batteries (Management and Handling) Rules, 2001. [ * Battery scrap, namely: Lead battery plates covered by ISRI, Code word "Rails" Battery lugs covered by ISRI, Code word "Rakes". Scrap drained/dry while intact, lead batteries covered by ISRI, Code word "rains".
33.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Integrated Recycling Plants --Components of waste electrical and electronic assemblies comprising accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule.
34.	Manufacturing of glue and gelatin
35.	Mining and ore beneficiation
36.	Nuclear power plant
37.	Pesticides (technical) (excluding formulation)
38.	Photographic film and its chemicals
39.	Railway locomotive work shop/Integrated road transport workshop/Authorized service centers having discharge of 100 KLD or more
40.	Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring
41.	Chlor Alkali
42.	Ship Breaking Industries
43.	Oil and gas extraction including CBM (offshore & on-shore extraction through drilling wells)
44.	Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing
45.	Tanneries
46.	Ports and harbour, jetties and dredging operations
47.	Synthetic fibers including rayon ,tyre cord, polyester filament yarn
48.	Thermal Power Plants
49.	Slaughter house (as per notification S.O.270(E)dated 26.03.2001)and meat

Sr. No.	Industrial/ Non-Industrial Sector/Project/Unit
	processing industries, bone mill, processing of animal horn, hoofs and other body parts
50.	Aluminium Smelter
51.	Copper Smelter
52.	Fertilizer (basic) (excluding formulation)
53.	Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units
54.	Pulp & Paper ( waste paper based units with bleaching process to manufacture writing & printing paper)
55.	Zinc Smelter
56.	Oil Refinery (mineral Oil or Petro Refineries)
57.	Petrochemicals Manufacturing ( including processing of Emulsions of oil and water )
58.	Pharmaceuticals including basis drugs
59.	Pulp & Paper ( Large-Agro + wood) , Small Pulp & Paper ( agro based-wheat straw/rice husk)
60.	Distillery ( molasses / grain / yeast based)
61.	Induction Furnace clubbed with AOD Furnace
62.	Synthetic detergents and soaps having waste water generation more than 100 KLD (excluding formulation)
63.	Automobile servicing, repairing and painting having waste water generation more than 100 KLD (excluding only fuel dispensing)
64.	Building and construction projects having waste water generation more than 100 KLD irrespective of their built-up area
65.	Ceramics and Refractories having coal consumption more than 12 MT per day
66.	Fermentation Industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having discharge > 100 KLD
67.	Lead metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
68.	Industry or processes involving foundry operations having capacity of 5 MT/hr. and more.
69.	Manufacturing of lead glass
70.	Non-alcoholic beverages (soft drink) & bottling of alcohol/non alcoholic products having waste-water generation > 100 KLD.
71.	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste-water generation more than 100 KLD
72.	Parboiled Rice Mills having waste-water generation > 100 KLD or fuel consumption > 12 MTD or both.
73.	Common treatment and disposal facilities (CETP, TSDF, E-waste recycling, CBMWTF, effluent conveyance project, incinerator, solvent/acid recovery plant, MSW sanitary land fill site
74.	Sewage treatment plants having capacity 100 KLD or more
75.	Industrial estates/ parks / complexes/ areas/ export processing zones/ SEZs/ Biotech parks/ leather complex
76.	Units engaged in the activities of handling and management of Hazardous Waste as defined in Hazardous and other Wastes (M & TM) Rules, 2016, other than those covered under any of the category of industrial sectors, such as use, treatment, processing, recovery, pre-processing, co-processing,

03/25

Sr. No.	Industrial/ Non Industrial Sector/Project/Unit
	utilization etc. of the hazardous and other wastes
77.	Recycling of used lead acid batteries
78.	Lithium Ion battery manufacturing units or assembling of Lithium Ion batteries with or without charging, having overall liquid waste generation of 100 KLD or more irrespective of quantity of fuel used or the projects having overall liquid waste generation less than 100 KLD but having daily fuel consumption above 12 MT/day
79.	Railway Stations (Waste Water Generation $\geq$ 100 KLD)

## Annexure-II

List of Orange Category of Industrial/ Non-Industrial Sector  
Sectors/Projects

Sr. No.	Industrial/ Non-Industrial Sector Sector/Project
1.	Dismantling of rolling stocks ( wagons/ coaches)
2.	Bakery and confectionery units with production capacity > 1 TPD. ( With ovens / furnaces)
3.	Chanachur and laddoo from puffed and beaten rice( muri and shira) using husk fired oven
4.	Coated electrode manufacturing
5.	Compact disc computer floppy and cassette manufacturing / Reel manufacturing
6.	Flakes from rejected PET bottle
7.	Food and food processing including fruits and vegetable processing
8.	Jute processing without dyeing
9.	Manufacturing of silica gel
10.	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
11.	Printing or etching of glass sheet using hydrofluoric acid
12.	Silk screen printing, sari printing by wooden blocks
13.	Synthetic detergents and soaps(excluding formulation)
14.	Thermometer manufacturing
15.	Cotton spinning and weaving ( medium and large scale)
16.	Almirah, Grill Manufacturing (Dry Mechanical Process )
17.	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)
18.	Automobile servicing, repairing and painting having quantity of waste water generation up to 100 KLD (excluding only fuel dispensing)
19.	Ayurvedic and homeopathic medicine
20.	Brickfields ( excluding fly ash brick manufacturing using lime process)
21.	Building and construction projects having quantity of waste water generation 10 KLD to 100 KLD irrespective of their built-up area
22.	Ceramics and Refractories having coal consumption upto 12 MT per day
23.	Coal washeries
24.	Dairy and dairy products ( small scale)
25.	DG set of capacity >1MVA but < 5MVA
26.	Dry coal processing, mineral processing, industries involving ore sintering, pelletising, grinding & pulverization
27.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol having quantity of waste water discharge upto 100 KLD (Extra Neutral Alcohol)
28.	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
29.	Fertilizer (granulation / formulation / blending only)
30.	Fish feed, poultry feed and cattle feed
31.	Fish processing and packing (excluding chilling of fishes)
32.	Forging of ferrous and non- ferrous metals ( using oil and gas fired furnaces)



Sr. No.	Industrial / Non-Industrial Sector Sector/Project
33.	Formulation/pelletization of camphor tablets, naphthalene balls from camphor/naphthalene powders.
34.	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.
35.	Gravure printing, digital printing on flex, vinyl
36.	Heat treatment using oil fired furnace ( without cyaniding)
37.	Hot mix plants
38.	Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms or having quantity of waste water discharge less than 100 KLD.
39.	Ice cream
40.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Paint and ink Sludge/residues
41.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Brass Dross,, Copper Dross,, Copper Oxide Mill Scale,, Copper Reverts, Cake & Residues,, Waste Copper and copper alloys in dispersible form,, Slags from copper processing for further processing or refining,, Insulated Copper Wire,, Scrap/copper with PVC sheathing including ISRI-code material namely "Druid" ,, Jelly filled Copper cables ,, Zinc Dross-Hot dip Galvanizers SLAB,, Zinc Dross-Bottom Dross,, Zinc ash/Skimming arising from galvanizing and die casting operations,, Zinc ash/Skimming/other zinc bearing wastes arising from smelting and refining,, Zinc ash and residues including zinc alloy residues in dispersible form,,
42.	Industry or processes involving foundry operations having capacity of foundry operations less than 5 MT per hr.
43.	Lime manufacturing (using lime kiln)
44.	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing
45.	Manufacturing of glass
46.	Manufacturing of iodized salt from crude/ raw salt
47.	Manufacturing of mirror from sheet glass
48.	Manufacturing of mosquito repellent coil
49.	Manufacturing of Starch/Sago
50.	Mechanized laundry using oil fired boiler
51.	Modular wooden furniture from particle board, MDF< swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making ( With boiler)
52.	New highway construction project
53.	Non-alcoholic beverages(soft drink) & bottling of alcohol/non alcoholic products having quantity of waste water generation up to 100 KLD
54.	Paint blending and mixing (Ball mill)
55.	Paints and varnishes (mixing and blending)
56.	Ply wood manufacturing (including Veneer and laminate) using the fuel such as wood or coal or any other authorized fuel with or without resin plant
57.	Potable alcohol ( IMFL) by blending, bottling of alcohol products
58.	Printing ink manufacturing
59.	Printing press

Sr. No.	Industrial/ Non-Industrial Sector Sector/Project
60.	Reprocessing of waste plastic including PVC
61.	Rolling mill (oil or coal fired) and cold rolling mill
62.	Spray painting, paint baking, paint shipping
63.	Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace
64.	Stone crushers
65.	Surgical and medical products including prophylactics and latex
66.	Teflon based products
67.	Thermocol manufacturing ( with boiler)
68.	Tobacco products including cigarettes and tobacco/opium processes
69.	Transformer repairing/ manufacturing ( dry process only)
70.	Tyres and tubes vulcanization/ hot retreating
71.	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils without waste water generation or having quantity of waste water generation up to 100 KLD
72.	Wire drawing and wire netting
73.	Dry cell battery ( excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale
74.	Pharmaceutical formulation and for R & D purpose ( For sustained release/ extended release of drugs only and not for commercial purpose)
75.	Synthetic resins
76.	Synthetic rubber excluding molding
77.	Cashew nut processing .
78.	Coffee seed processing
79.	Parboiled Rice Mills having quantity of waste water generation up to 100 KLD or fuel consumption up to 12 MTD or both
80.	Foam manufacturing
81.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Used Oil - As per specifications prescribed from time to time.
82.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules, 2008 - Items namely - Waste Oil ---As per specifications prescribed from time to time.
83.	Producer gas plant using conventional up drift coal gasification ( linked to rolling mills glass and ceramic industry refractories for dedicated fuel supply)
84.	Health care establishments (As defined in BMW Rules) having waste water generation less than 100 KLD without incinerator
85.	Airport and commercial air strips having discharge less than 100 KLD
86.	Railway locomotive workshop/Integrated road transport workshop/Authorized service centers (having waste-water generation < 100 KLD)
87.	Manufacturing of pasted veneers using coal/wood scrap boiler or thermic fluid heater and by sun drying
88.	Cardboards and Millboards
89.	Strawboards
90.	Formulation of pesticides/ insecticides
91.	Recycling / Pyrolysis plants of waste pneumatic tyres/tyre scrap

Sr. No.	Industrial/ Non-Industrial Sector Sector/ Project
92.	Screening plants
93.	Surgical cotton industries
94.	Inorganic Chemical Compounds such as Chlorides/Sulphates/Sulphites/Niterates/Oxides/Flourides/ Stearates of metals/Cations
95.	Sodium and other silicates manufacturing
96.	Cotton coated fabrics including printing and lamination (Rexene)
97.	Friction dust
98.	Brake lining/ Disc brake pad
99.	Chlorinated paraffin wax/plasticizers
100.	Sewage treatment plants having capacity 10 KLD or more but less than 100 KLD
101.	Infrastructure development projects having overall liquid Waste generation 100 KLD or more
102.	Dismantling of E-Waste
103.	Flour mills generating trade effluent
104.	Distilled water units using boiler or furnace as heating source
105.	Construction and Demolition (C&D) Waste processing and recycling units
106.	Garment/ Apparel manufacturing units having only garment washing, with or without boiler except bleaching, dyeing, printing, coloring
107.	Lithium Ion battery manufacturing units or assembling of Lithium Ion batteries with or without charging, having overall liquid waste generation of 100 KLD and daily consumption of coal/fuel less than 12 MT/day or without use of any fuel in the process
108.	Railway Stations (Waste Water Generation $\geq 10$ KLD but $< 100$ KLD)
109.	Scrapping Centers (for end of life of vehicles and other scraps such as plant and machinerles, structural material, railway coaches and wagons etc.) a. Collection, de-pollution, dismantling centres and shredding centres b. Collection, de-pollution and dismantling centres c. shredding centres (can include white goods/other scraps also)
110.	Compressed/refined bio-gas production for bio-degradable wastes
111.	Dairy Farm having 15 animals and above (Stand alone or isolated)
112.	Gaushalas (having waste water generation $> 100$ KLD)

## Annexure-III

List of Green Category of Industrial/ Non-Industrial Sector  
Sectors/Projects

Sr. No.	Industrial/ Non Industrial Sector Sector/Project
1.	Aluminum utensils from aluminium circles by pressing only (dry mechanical operation)
2.	Ayurvedic and homeopathic medicines (without boiler)
3.	Bakery /confectionery /sweets products (with production capacity <1tpd (with gas or electrical oven)
4.	Bi-axially oriented PP film along with metalizing operations
5.	Biomass briquettes (sun drying) without using toxic hazardous wastes
6.	Blending of melamine resins & different powder, additives by physical mixing
7.	Brass and bell metal utensils manufacturing from circles(dry mechanical operation without re-rolling facility)
8.	Candy
9.	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)
10.	Carpentry & wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planner, steel saw cutting circular blade, etc.
11.	Cement products (without using asbestos / boiler / steam curing) like pipe ,pillar, jafri, well ring, block/tiles etc.(should be done in closed covered shed to control fugitive emissions)
12.	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)
13.	Chilling plant, cold storage and ice making
14.	Coke briquetting ( sun drying)
15.	Cotton spinning and weaving (small scale)
16.	Dal Mills
17.	Decoration of ceramic cups and plates by electric furnace
18.	Digital printing on PVC clothes
19.	Facility of handling, storage and transportation of food grains in bulk
20.	Flour mills/Atta Chakki (dry process) running on commercial mode with packing facility of Atta for selling it into market (having wheat cleaning process and fugitive dust)
21.	Glass , ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln
22.	Glue from starch (physical mixing) with gas / electrically operated oven /boiler.
23.	Gold and silver smithy (purification with acid smelting operation and sulphuric acid polishing operation) (using less or equal to 1 litre of sulphuric acid/ nitric acid per month)
24.	Heat treatment with any of the new technology like ultrasound probe , induction hardening , ionization beam, gas carburizing etc.
25.	Insulation and other coated papers (excluding paper or pipe manufacturing)
26.	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)

Sr. No.	Industrial/ Non Industrial Sector Sector/Project
27.	Lubricating oil, greases or petroleum based products (only blending at normal temperature)
28.	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying
29.	Oil mill Ghani and extraction ( no hydrogenation / refining)
30.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
31.	Phenyl/toilet cleaner formulation and bottling
32.	Polythene and plastic processed products manufacturing (virgin plastic)
33.	Poultry Farms handling one lac or more birds at a given time in single location and Hatchery & Piggery irrespective of no. of birds/animals
34.	Power looms (without dye and bleaching)
35.	Puffed rice (muri) (using gas or electrical heating system)
36.	Pulverization of bamboo and scrap wood
37.	Ready mix cement concrete irrespective of investment cost
38.	Reprocessing of waste cotton
39.	Rice mill (Rice hullers only)
40.	Rolling mill ( gas fired) and cold rolling mill
41.	Rubber goods industry (with approved fuel operated baby boiler)
42.	Saw mills
43.	Soap manufacturing (hand made without steam boiling / boiler)
44.	Spice grinding (up to 20 HP motor)
45.	Spice grinding (>20 HP motor)
46.	Steel furniture without spray painting
47.	Steeping and processing of grains
48.	Tyres and tube retreating (without boilers)
49.	CO2 recovery
50.	Distilled water ( without boiler) with electricity as source of heat
51.	Hotels (up to 20 rooms and without boilers)
52.	Manufacturing of optical lenses (using electrical furnace)
53.	Mineralized water
54.	Tamarind powder manufacturing
55.	Cutting, sizing and polishing of marble stone
56.	Emery powder ( fine dust of sand) manufacturing
57.	Flyash export, transport & disposal facilities
58.	Mineral stack yard / Railway sidings
59.	Oil and gas transportation pipeline
60.	Seasoning of wood in steam heated chamber
61.	Synthetic detergent formulation
62.	Tea processing ( with boiler)
63.	Modular wooden furniture from particle board, MDF< swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (Without boiler)
64.	LPG bottling plants
65.	Sewage treatment plants having capacity less than 10 KLD
66.	Infrastructure development projects having overall liquid Waste generation less than 100 KLD

Sr. No.	Industrial/ Non-Industrial Sector Sector/Project
67.	Industrial inorganic gases namely- a) Chemical gas- Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen-sulphide, phosphine b) Hydrocarbon gases- Methane, ethane, propane
68.	Automobiles manufacturing outsourcing all of the polluting activities.
69.	Refurbishing of used electrical and electronic equipments
70.	Manufacturing of bakelite molded components
71.	Railway Stations (Waste Water Generation <10 KLD)
72.	Gaushalas (having waste water generation <100 KLD)
73.	Compressed/refined bio-gas production for bio-degradable wastes (No waste water discharge from digester and also feed slurry to digester having volatile organic fraction more than 75%)

**List of White Category of Industrial/ Non-Industrial Sector Sectors/Projects**

Sr. No.	Industrial/ Non-Industrial Sector Sector/Project
1.	Assembly of air coolers /conditioners ,repairing and servicing
2.	Assembly of bicycles ,baby carriages and other small non motorizing vehicles
3.	Bailing (hydraulic press)of waste papers
4.	Bio fertilizer and bio-pesticides without using Inorganic chemicals
5.	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)
6.	Blending and packing of tea
7.	Block making of printing without foundry (excluding wooden block making)
8.	Chalk making from plaster of Paris (only casting without boilers etc. (sun drying / electrical oven)
9.	Compressed oxygen gas from crude liquid oxygen (without use of any solvents and by maintaining pressure & temperature only for separation of other gases)
10.	Cotton and woolen hosiers making (Dry process only without any dyeing / washing operation)
11.	Diesel pump repairing and servicing (complete mechanical dry process)
12.	Electric lamp ( bulb) and CFL manufacturing by assembling only
13.	Electrical and electronic item assembling ( completely dry process)
14.	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)
15.	Flavoured betel nuts production/ grinding (completely dry mechanical operations)
16.	Fly ash bricks/ block manufacturing
17.	Fountain pen manufacturing by assembling only
18.	Glass Sydes and vilas making from glass tubes
19.	Glass putty and sealant (by mixing with machine only)
20.	Ground nut decorticating
21.	Handloom/ carpet weaving (without dyeing and bleaching operation)
22.	Leather cutting and stitching (more than 10 machine and using motor)
23.	Manufacturing of coir items from coconut husks
24.	Manufacturing of metal caps containers etc
25.	Manufacturing of shoe brush and wire brush
26.	Medical oxygen
27.	Organic and inorganic nutrients (by physical mixing)
28.	Organic manure (manual mixing)
29.	Packing of powdered milk
30.	Paper pins and u clips
31.	Repairing of electric motors and generators (dry mechanical process)
32.	Rope (plastic and cotton)
33.	Scientific and mathematical instrument manufacturing
34.	Solar module non conventional energy apparatus manufacturing unit
35.	Solar power generation through solar photovoltaic cell, wind power and mini

Sr. No.	Industrial/ Non-Industrial Sector Sector/Project
	hydel power (less than 25 MW)
36.	Surgical and medical products assembling only (not involving effluent / emission generating processes)
37.	Automobile fuel outlets (only dispensing)
38.	Diesel generator sets having total capacity 1 MVA or less and equipped with acoustic enclosures alongwith adequate stack height
39.	Almirah, Grill Manufacturing without painting operation (Dry Mechanical Process)
40.	Health care Establishments i.e hospitals/clinics without indoor facilities and having only OPD consultancy
41.	Printing presses without involving water polluting process
42.	Garment / Apparel units involving only stitching process, without discharge of effluent and Air emissions from process
43.	Poultry Farms handling less than one lac birds. (Environmental guidelines issued by Haryana Government/CPCB for poultry farms shall be applicable)
44.	Atta chakki for personal use with dry process without involving wheat cleaning process and fugitive dust emission
45.	Compressed/refined bio-gas production for bio-degradable wastes [Domestic bio-digesters based on cow dung or house hold biodegradable waste (such as gobar gas plant)]



**Check List of documents for obtaining consent to establish (CTE) under  
Water Act, 1974 / Air Act, 1981**

**I. 1<sup>st</sup> Consent to Establish**

1. Online application
2. Proof of deposit of NOC/CTE fee and performance security.
3. C.A. Certificate regarding capital investment cost w.r.t. land, building, plant and machinery of the proposed project.
4. Fard Jamabandi and Intkal of land of the unit, in case unit is located outside approved industrial area/estate.
5. Power of attorney/authority letter to sign the application.
6. Allotment letter of the plot issued from the concerned authority in case of approved industrial area.
7. Manufacturing process and process Flow Chart.
8. Design Scheme of Effluent Treatment Plant/ Sewage treatment Plant, Air Pollution Control Devices / Hazardous Waste Management as applicable, with Hydraulic Design and design calculations based upon the Pollution load and prescribed standards.  
In case of Brick kilns, design and drawing of high draft Zig Zag technology based Kiln and stack.
9. Report of Tehsildar and District Forest Officer regarding Kisam of land through Deputy Commissioner, for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability of Aravali Notification (only for District Gurugram and Nuh).
10. Clearance/ permission in case of the projects falling in the revenue estates covered in the Notification no. 191(E) dt. 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon.
11. Proof of receipt of application submitted to the Forest Department for clearance / permission /NOC, of Forest Department.
12. Report of Revenue Department / Forest Department & other concerned departments regarding sitting parameters in respect of Stone Crushers, Hot Mix Plants, Screening Plants, Pulverizes, Poultry Farms and License of DFSC in Case of brick Kilns.
13. Change of land use permission/license/NOC certificate from the Town & Country Planning Department or respective Municipal or other Authority or village Panchayat, as the case may be.
14. Lease deed/ Rent Agreement in case land is taken on rent or lease, Collaboration deed in case of construction projects, if applicable (duly registered with revenue authorities).
15. Copy of Environmental Clearance in case of the projects covered under, EIA Notification dated 14.09.2006.
16. Copy of MOA / partnership Deed / Trust Deed, as applicable having the name and address of Directors/Partners.
17. Declaration by the unit regarding awareness about pollution control related standards and law and undertaking for their compliance, as

- per Annexure-VII.
- 18. Site plan of the unit in case it is located outside approved industrial area.
- 19. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.

**II. Renewal/Extension of Consent to Establish**

- 1. Online application for renewal of CTE with declaration on prescribed Performa (Annexure-VIII).
- 2. Proof of deposit of NOC/CTE fees (as per schedule available on the web-site of the Board i.e. www.hspcb.gov.in)
- 3. Copy of 1st CTE & previous renewed CTE (if any).
- 4. Power of Attorney/authority letter to sign the application.
- 5. Progress report regarding construction of project and installation of pollution control measures/devices, as per scheme submitted while obtaining 1st CTE.
- 6. Valid license or proof of submission of application for renewal of license to Town and Country Planning Department or any other concerned authority, in case of Building and construction projects and Township and Area Development projects.

**III. Consent to Establish for expansion of the existing project**

Apart from the documents required for obtaining 1st CTE and NOC/fee, following additional documents are required to be submitted along with application for CTE for expansion of projects:-

- 1. Copy of valid CTO under Water Act, 1974/ Air Act, 1981 and Authorization under Hazardous Waste Management Rules (if applicable) for the existing project.
- 2. Latest inspection report and analysis reports of effluent/ air emissions/ noise (as applicable), conducted by Board officers for the mandatory inspection, if conducted.
- 3. Copy of fresh analysis reports of effluent/air emissions/ noise, analyzed from Board's lab/recognized lab. (not more than 03 month old)
- 4. Declaration regarding compliance of prescribed standards for discharge of environmental pollutants in the existing operating project of the unit as per **Annexure -XIII.**

**Performance Security prescribed for obtaining the Consent to Establish.**

- a) Performance Security as per investment cost of the projects (other than mentioned at Sr. No. b).

Sr. No.	Capital Investment Cost of the project (Cost of land, building, Plant and Machinery)	Red Category (in Rs.)	Orange Category (in Rs.)	Green Category (In Rs.)
1.	Upto 0.5 crore	25,000/-	12,500/-	5,000/-
2.	Above 0.5 crore upto 1.00 crore	50,000/-	25,000/-	10,000/-
3.	Above 1.0 crore upto 5.00 crore	1,00,000/-	75,000/-	25,000/-
4.	Above 5.0 crore upto 10.00 crore	2,00,000/-	1,50,000/-	50,000/-
5.	Above 10.00 crore upto 50.00 crore	3,00,000/-	2,00,000/-	1,00,000/-
6.	Above 50.00 crore upto 100.00 crore	4,00,000/-	2,50,000/-	1,25,000/-
7.	Above 100.00 crore	5,00,000/-	3,00,000/-	1,50,000/-

- b) Performance Security for specific projects irrespective of investment cost

1. Hot Mix Plants/ Stone Crushers/ Screening Plants : 50,000/-
2. Brick Kilns : 25,000/-
3. Mining Projects:-
  - a) More than ten Hectares : 5.0 lac
  - b) Five to ten Hectares : 2.5 lac
  - c) Less than five Hectares : 1.0 lac

**Declaration by the applicant for obtaining I<sup>st</sup> CTE**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident of \_\_\_\_\_ declare and affirm as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_
2. That I am aware of the provisions of Water Act, 1974, Air Act, 1981 and HOWM Rules, 2016, Rules and procedure framed there under and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986 and shall comply with the same.
3. That we shall comply with all the provisions of Water Act, 1974, Air Act, 1981 and Rules framed there under HOWM Rules, 2016 and standards/norms prescribed for discharge of pollutants under EP Rules, 1986 after commissioning of our unit.
4. That we have not started the work at the site for construction of plant and installation of machinery of our project and will also not start the same before obtaining the consent to establish under Water Act, 1974 and Air Act, 1981 from the Haryana State Pollution Control Board.
5. That the work for construction and installation of pollution control measures will be done side by side while doing the construction and installation of the main plant of the unit and will not start the production without installing proper and adequate pollution control measure as per scheme enclosed and without obtaining prior consent to operate from the Board.
6. In case of the non compliance of the above undertaking or false declaration found at any stage, the Board will be at liberty to forfeit the performance security amounting to Rs. \_\_\_\_\_ deposited along with the CTE application through online payment gateway or in the form of Demand Draft no. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ (Bank) besides taking any other legal action under the provision of Water Act, 1974 & Air Act, 1981.
7. That we shall comply with all the terms & conditions of consent to establish to be issued by the Board.

**Deponent/Applicant****Dated:**

**Format of the application for auto renewal of the consent to establish  
under Water Act, 1974 / Air Act, 1981,**

To

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

**Sub: Application for auto-renewal of the consent to establish under Water Act, 1974 / Air Act, 1981- Self certification.**

**Ref: Consent to establish issued by the Board vide letter no. \_\_\_\_\_ dated \_\_\_\_\_ valid up to \_\_\_\_\_.**

Sir,

We are submitting herewith application for auto renewal of our consent to establish under Water Act, 1974 / Air Act, 1981 granted by your Board vide letter under reference, along with the prescribed NOC fees for the same and the following declaration and undertaking as per policy of your Board :-

1. That we have a valid consent to establish under Water Act, 1974 / Air Act, 1981 issued by HSPCB vide above referred letter validity upto \_\_\_\_\_, copy of which is enclosed herewith.
2. That the present details of the manufacturing process and other informations /data of our unit are same as submitted / provided to the Board earlier with original application for obtaining original Consent to Establish referred above and therefore the same may be considered for present application for renewal of consent to establish for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.
3. That the proposed capital investment cost of our industry/ project, as per documents submitted with earlier application for consent to establish granted by HSPCB vide above referred letter, was Rs. \_\_\_\_\_ lacs, which will remain the same and will not be increased in terms of land, building and plant and machinery, without prior information / permission of the HSPCB.
4. That there will be no change in the raw material, process, products, quantity of effluent, source of air emissions, scheme of pollution control measures and increase in production or pollution load and will remain same as submitted in original application for consent to establish.
5. That we shall deposit the balance NOC fees if found due at any later stage due to increase in capital investment cost on land, building, plant and machinery.
6. That we are complying with the conditions of consent to establish granted earlier vide letter under reference and further undertake to comply with further conditions if any imposed by HSPCB in future.
7. That we shall install all the required pollution control measures and devices as per scheme / proposal already submitted by us with our original application for consent to establish upto the satisfaction of the Board side by side in proportionate to the construction of the project and before the commissioning of the unit failing which Board will be at liberty to forfeit the

performance security deposited by us with the Board in this regard beside taking legal action under the provisions of relevant Acts/Rules applicable to our unit.

8. That we shall not start even trial production without obtaining prior consent to operate for trial production from the HSPCB.
9. That we shall provide all the arrangements for sampling of air emissions and effluent as prescribed by the Board and online monitoring systems as directed by the HSPCB/CPCB from time to time, in our unit before starting even trial production.
10. That in case our unit is not fully established within the validity period of extension of CTE, than we shall apply afresh for obtaining new CTE, 90 days before the expiry of the renewed CTE.
11. That we are complying and shall comply with all the conditions of Environmental Clearance (in case unit is covered under EIA notification dated 14.09.2006.)
12. That we shall comply with all the relevant provisions of water Act, 1974, Air Act, 1981, EPA, 1986 and Rules made their under including Hazardous Waste (MH&TM) Rules, 2008 applicable to our unit.
13. That we undertake that auto renewal of consent to establish will not prevent the HSPCB for taking coercive action against us if our unit fails to comply the prescribed standards or conditions of consent to establish granted and renewed to our unit or only applicable provision of Water Act, 1974, Air Act, 1981 and EPA, 1986 and Rule made their under.
14. That the declaration and undertaking given above has the approval of all the partners / Board of Directors / owners of the industry / project and copy of resolution of the Board / power of attorney in the regard is attached herewith.

It is therefore requested that the consent to establish may kindly be renewed/extended further for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company



## Annexure-IX

**Undertaking by those units which have been granted CTE but do not want to continue the work for construction and installation of their project beyond the validity period of their CTE.**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ in the capacity of \_\_\_\_\_ of M/s \_\_\_\_\_ undertake as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_.
2. That our unit have been granted consent to establish by the Board under Water Act, 1974 /Air Act, 1981 vide Letter no. \_\_\_\_\_ dated \_\_\_\_\_ valid up to \_\_\_\_\_.
3. That the detail about the status of our project constructed and established till date is attached herewith.
4. That we do not want to continue the work for construction and installation of our project beyond the validity period of consent to establish granted by the Board at this stage.
5. That we shall apply for extension of consent to establish as and when the remaining work for construction and installation of the project is proposed to be started well in advance and will not start the construction and installation work of the project without further extension of the consent to establish from the Board.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company

### Check list of documents for obtaining 1<sup>st</sup> consent to operate (CTO)

#### I. 1st Consent to Operate

1. Online consent application.
2. Power of attorney/authority letter to sign the application.
3. Proof or deposit of required and applicable consent fee, as per schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in).
4. Collection and testing fee prescribed by the Board as per schedule available on the web-site of the Board, for analysing the samples of effluent/ Air emissions/ Noise level of DG sets, as applicable, for all sources. (Analysis report of air emissions from all sources including diesel engines of capacity more than 0.8MW (800kW) for power plants and generator sets will be required).
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. MOA / partnership Deed / Trust Deed (if changed).
7. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.
8. Permission of the concerned authorities for disposal of the effluent in to sewer/drain etc.
9. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit.
10. Detail of ETP/STP, APCM, acoustic enclosure, Hazardous Waste Management Facilities installed in the unit along with their size, specification and capacity.
11. In case of Industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIHC, Rules, 1989 and covered under rule 10 & 13 of these Rules, proof of submission of safety audit report duly audited with the help of an expert, atleast 90 days before commencing the activity and onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same. (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
12. Occupation certificate issued by Town & Country Planning Department, in case of Building & construction projects/area development projects.

#### II. Renewal of consent to operate



1. Online application for renewal of CTO on prescribed Performa (Annexure-XI).
2. Proof of deposit of required and applicable consent fee (as per schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
3. Copy of previous CTO.
4. Power of attorney/authority letter to sign the application.
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. Latest inspection report and analysis reports of effluent/ air emissions/ noise conducted by Board officer (s) for the mandatory inspection, if conducted.
7. Copy of fresh analysis reports of effluent/air emissions/ noise analyzed from Board's lab/recognized lab. (not more than 03 months old)
8. Environment Statement in Form V for the financial year ending on 31<sup>st</sup> March (required in compliance of Rule 14 of EP Rules, 1986).
9. In case of industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIH, Rules, 1989 and covered under rule 10 & 13 of these Rules, proof of submission of updated safety audit report duly audited with the help of an expert, annually and up to date onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same, (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
10. Permission of the concerned authorities for disposal of the effluent in to sewer/drains etc (In case not submitted earlier).
11. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit (in case not submitted earlier).
12. Copy of logbook for last 03 months maintained for operation of ETP/STP/APCM for the record of energy and chemical consumption, quantity of effluent at inlet and outlet of ETP/STP supported with readings of magnetic flow meters alongwith quantity of treated effluent recycled/reused in the process, utilized in the premises and discharged, mode of disposal.

## Annexure-XI

**Format of the application for auto renewal of the consent to operate under Water Act, 1974 / Air Act, 1981.**

To

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

**Sub: Application for auto-renewal of the consent to operate for the period \_\_\_\_\_ under Water Act, 1974 / Air Act, 1981.**

Sir,

It is submitted that we had been granted the consent to operate under Water Act, 1974 / Air Act, 1981 upto \_\_\_\_\_ by the Board vide letter No. \_\_\_\_\_ dt. \_\_\_\_\_ and No. \_\_\_\_\_ dt. \_\_\_\_\_ respectively. Now we are submitting our application for auto renewal of the consent to operate under Water Act, 1974 / Air Act, 1981 for the period \_\_\_\_\_ to \_\_\_\_\_, along with the prescribed consent fees for the same and with the following declaration and undertaking as per policy of your Board :-

1. That we have valid consent to operate under Water Act, 1974 / Air Act, 1981 upto \_\_\_\_\_ issued by HSPCB vide above referred letters, copies of which are enclosed herewith.
2. That the present details of the manufacturing process and other informations / data of our unit are same as submitted / provided by the Board earlier with original application for obtaining previous Consent to operate referred above and therefore the same may be considered for present application for renewal of consent to operate for further period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.
3. That the capital investment cost on land, building, plant and machinery of our industry/ project without charging depreciation and with upto date additions as on \_\_\_\_\_ is Rs. \_\_\_\_\_ lacs and the consent fees has been deposited according to the said capital investment cost of our unit. We undertake to deposit the balance consent fees if any found due at any stage due to increase in the investment cost on Land, Building, Plant and Machinery of our unit at any later stage.
4. That we are complying with the conditions of previous consent to operate granted to our unit by the Board valid upto \_\_\_\_\_ and also complying with all the standards / norms prescribed under EP Rules, 1986 for discharge of environmental pollutants, by operating our pollution control devices regularly and effectively.
5. That there will be no change in the raw material, process, products, quantity of effluent, source of air emissions, technology of pollution control measures and increase in production or pollution load and will remain same as submitted in the previous application for consent to operate.

6. That we shall keep on operating and maintaining our pollution control measures / devices regularly and effectively and will maintain and keep all the parameters within standards / norms prescribed under EP Rules, 1986.
7. That we are submitting herewith the copy of the latest inspection report and analysis report of effluent/ air emissions/ noise conducted by the Board's officers on \_\_\_\_\_ alongwith copy of fresh analysis reports of effluent/ air emissions/ noise analyzed from Board's laboratory/ recognized laboratory, showing the compliance of prescribed standards.
8. We undertake to comply with all the conditions of renewal of consent to operate to be imposed by the Board if any.
9. That we shall comply with all the relevant provisions of water Act, 1974 and Air Act, 1981.
10. We undertake that auto renewal of consent to operate will not prevent the Board for taking coercive action against us if our unit fails to comply with the prescribed standards or conditions of consent granted during auto renewal of the same.
11. The undertaking has the approval of the Board of Directors/ Partner/Owner of the industry/project and copy of the resolution of the Board/ Power of Attorney is attached herewith.

It is therefore requested that the consent to operate under Water Act, 1974/ Air Act, 1981 may kindly be renewed further for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company

## Annexure - XII

**Checklist of documents for obtaining Consent to Operate (CTO) by the Industrial/ Non-Industrial Sector/Project/Unit already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 as per revised categorization of industrial sectors for consent management.**

1. Online consent application.
2. Power of attorney/authority letter to sign the application.
3. Proof or deposit of required and applicable consent fee, as per schedule available on the web-site www.hspcb.gov.in.
4. Collection and testing fee prescribed by the Board as per schedule available on the web-site of the Board, for analysing the samples of effluent/ Air emissions/ Noise level of DG sets, as applicable, for all sources. (Analysis report of air emissions from all sources including diesel engines of capacity more than 0.8MW (800kW) for power plants and generator sets will be required).
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. MOA / partnership Deed / Trust Deed (if changed).
7. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.
8. Permission of the concerned authorities for disposal of the effluent in to sewer/drain etc.
9. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit.
10. Detail of ETP/STP, APCM, acoustic enclosure, Hazardous Waste Management Facilities installed in the unit along with their size, specification and capacity.
11. Fard Jamabandi and Intkal of land of the unit in case unit is located outside approved industrial area/estate.
12. Allotment letter of the plot issued from the concerned authority in case of approved industrial area/estate.
13. Manufacturing process and process Flow Chart.
14. Report of Tehsildar and District Forest Officers regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability of Aravali Notification (only for Gurugram and Nuh District).
15. Clearance/ permission in case of the projects falling in the revenue estates covered in the Notification no. 191(E) dt. 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of

Sultanpur National Park in District Gurgaon.

16. Change of land use permission/license/NOC certificate from the Town & Country Planning Department or respective Municipal or other Authority or Panchayat as the case may be.
17. Lease deed/ Rent Agreement duly registered with revenue authorities, in case land is taken on lease/rent.
18. Site plan of the unit in case it is located outside approved industrial area.
19. Environment Statement in Form V for the financial year ending on 31st March. (required in compliance of Rule 14 of EP Rules, 1986).
20. Proof of submission of updated safety audit report duly audited with the help of an expert, annually and up to date onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same, in case of industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIH, Rules, 1989 and covered under rule 10 & 13 of these Rules. (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
21. Copy of logbook for last 03 months maintained for operation of ETP/STP/APCM for the record of energy and chemical consumption, quantity of effluent at inlet and outlet of ETP/STP supported with readings of magnetic flow meters alongwith quantity of treated effluent recycled/reused in the process, utilized in the premises and discharged, mode of disposal.

## Annexure-XIII

**Declaration by the applicant for obtaining CTE for expansion of the project.**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident of \_\_\_\_\_ declare and affirm as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_.
2. That we are operating pollution control devices in our industry regularly and effectively and meeting the standards prescribed under Environment (Protection) Rules, 1986 for discharge of pollutants into the atmosphere, which will be maintained in future also.
3. That we shall install the required and adequate pollution control devices for the expansion project in our industry before commissioning the production and will also obtain prior consent to operate before starting trial production in our expansion project.
4. In case of the non compliance of the above undertaking or false declaration found at any stage, the Board will be at liberty to forfeit the performance security amounting to Rs. \_\_\_\_\_ deposited along with the CTE application through online payment gateway or in the form of Demand Draft no. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ (Bank) besides taking any other legal action under the provision of Water Act, 1974 & Air Act, 1981.
5. That we shall comply with all the terms & conditions of consent to establish to be issued by the Board.

**Dated:**

**Deponent/Applicant**

**Performa for submission of application by the units for change of their name in the record of HSPCB as per the change in the permission granted by the competent authority.**

**(In case of change of name of unit without change in ownership/process/raw material/products)**

1.	Name & address of the unit registered with the Board	:	
2.	New name of the unit after change as per registration certificate issued from the registration authority i.e. Deptt. of Industries & Commerce/Registrar of companies/Societies etc.	:	
3.	Name and designation of authorized signatory of the applicant unit.	:	
4.	Reasons for the change in the name of the unit	:	
5.	Competent authority for change of name of the unit	:	
6.	Letter no. and date of authority granted the permission for change of name	:	
7.	Status of CTO/authorization of the old unit with validity if granted; (a) Under Water Act, 1974 (b) Under Air Act, 1981 (c) Under HOWM Rules, 2008/2016 (d) Any other applicable Rules	:	
8.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	:	
9.	Capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit.	:	
10.	Detail of CTE/NOC fees; (i) Amount required to be deposited as per fee structure (in Rs.) (ii) Deposited amount with detail of DD No., date and Bank/online transaction no./date. (iii) Balance amount, if any	:	
11.	Manufacturing process, raw materials and products of the unit.	:	
12.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	:	
13.	Detail of supporting documents attached (as per checklist)	:	

14.	<b>Declaration;</b> (i). That I am the authorized signatory of my unit to submit this application. (ii). That there is/will be no change in the ownership/ manufacturing process /raw materials/ products of the industry and in case of any such change is proposed in future, prior consent to establish and/or other required permissions will be taken from the HSPCB. (iii). That we shall comply with all the terms and conditions what so ever imposed by the Board while giving permission for change of name of the unit in the record of HSPCB.	
-----	--	--

**Date:**  
**Place:**

**(Signature)**  
**Authorized Signatory**  
**(as per column no. 3**

**Checklist of supporting documents to be submitted by the unit**

- a) Power of attorney/authorization letter
- b) Copy of latest CTO/Authorization
- c) Self declaration regarding no change in the ownership process/raw material/products of the unit.
- d) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, with changed name of the unit.
- e) Proof of NOC/CTE fees deposited.
- f) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, attested by CA.



**Performa for recommendation of Regional Officer regarding grant of permission for change of name of unit in record of HSPCB as per the change in the permission granted by the competent authority.**

**(In case of change of name of unit without change in ownership/process/raw material/products)**

1.	Name & address of the unit registered with the Board	
2.	New name of the unit after change as per registration certificate submitted by the unit issued from the registration authority.	
3.	Competent authority for change of name of unit	
4.	Reasons for the change in the name of the unit.	
5.	Status of Consent to establish/operate and authorization (as applicable) with validity if granted.	
6.	Letter no. and date of authority granted the permission for change of name	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
8.	Whether deposited the required and applicable CTE/NOC fees (Yes/No)	
9.	Amount of CTE/NOC fees deposited and mode of payment alongwith balance NOC fee if any.	
10.	Date of receipt of application and subsequent clarification submitted (if any) in Regional Office.	
11.	Date of submission of recommendation to Head Office.	
12.	Status of Registration of new name of unit with concerned authorities.	
13.	Detail of supporting documents submitted by the unit and attached with recommendation.	
14.	Whether submitted all the required documents by the unit as per checklist. If not then submit the detail of such documents not submitted.	
15.	Manufacturing process / raw materials /products of the unit.	
16.	Whether there is any change in the ownership, manufacturing process, raw material and products of the unit.	
17.	Recommendation of Regional Officer.	

Dated: \_\_\_\_\_

Regional Officer  
\_\_\_\_\_ Region

**Performa for submission of application for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB**

**(Without change in process/raw material/products)**

1.	Name & address of the existing unit registered with the Board	:	
2.	Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority i.e. Deptt. of Industries & Commerce/Registrar of companies/Societies etc.	:	
3.	Name and designation of authorized signatory of the applicant unit.	:	
4.	Competent authority for registration of name of unit.	:	
5.	Letter no. and date and authority where the unit registered its name.	:	
6.	Status of CTO/authorization of the existing unit with validity if granted; (a) Under Water Act, 1974 (b) Under Air Act, 1981 (c) Under HOWM Rules, 2008/2016 (d) Any other applicable Rules	:	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	:	
8.	Capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/ rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.	:	
9.	Detail of CTE/NOC fees; (i) Amount required to be deposited as per fee structure (in Rs.) (ii) Deposited amount with detail of DD No., date and Bank/online transaction no./date. (iii) Balance amount, if any	:	
10.	Detail of change in ownership	:	
11.	Manufacturing process/raw materials/products of the unit.	:	
12.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	:	
13.	Detail of supporting documents attached (as per checklist)	:	

14.	Declaration; (i). That I am the authorized signatory of my unit to submit this application. (ii). That there is/will be no change in the manufacturing process / raw materials /products of the industry and in case of any such change is proposed in future, prior consent to establish and/or other required permissions will be taken from the HSPCB. (iii). That we shall comply with all the terms and conditions what so ever imposed by the Board while transferring the consent/other clearances and giving permission for replacement of name of the unit in the record of HSPCB.	
-----	--	--

Date:

Place:

(Signature)  
 Authorized Signatory  
 (as per column no. 3)

Name & address of  
 applicant unit:

**Checklist of supporting documents to be submitted by the unit**

- a) Power of attorney/authorization letter
- b) Copy of latest CTO/Authorization
- c) Copy of fresh registration certificate Issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, in favour of the new unit.
- d) Proof of NOC/CTE fees deposited.
- e) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.
- f) Copy of sale deed/rent deed/mortgaged deed/lease deed etc. as applicable registered from revenue authorities.
- g) Copy of fresh memorandum of article & association or partnership deed or proof of proprietorship, as the case may be of the new unit, transferred the interest of the industry.

**Performa for recommendation of Regional Officer regarding grant of permission for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB**

**(Without change in process/raw material/products)**

1.	Name & address of the applicant unit	
2.	Name & address of the existing unit registered with the Board	
3.	Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority.	
4.	Competent authority for registration of name of unit.	
5.	Date and authority where the unit registered its name.	
6.	Status of Consent to establish/operate and authorization (as applicable) with validity if granted.	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
8.	Whether deposited the required and applicable CTE/NOC fees (Yes/No)	
9.	Amount of CTE/NOC fees deposited and mode of payment alongwith balance NOC fee if any.	
10.	Date of receipt of application and subsequent clarification submitted (if any) in Regional Office.	
11.	Date of submission of recommendation to Head Office.	
12.	Status of Registration of name of new unit with concerned authorities.	
13.	Detail of supporting documents submitted by the unit and attached with recommendation.	
14.	Whether submitted all the required documents by the unit as per checklist. If not then submit the detail of such documents not submitted.	
15.	Manufacturing process / raw materials /products of the unit.	
16.	Whether there is any change in the manufacturing process / raw material /products of the unit.	
17.	Recommendation of Regional Officer.	

Dated: \_\_\_\_\_

Regional Officer  
\_\_\_\_\_ Region

## Annexure-E

**Performa for submission of proposal by the concerned Branch in Head Office dealing with consent management for the cases of permission for change of name of the units or for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB.**

1.	Subject:- (Type of case; Whether for grant of permission for change of nomenclature (name) of the unit without other changes or for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB.)	
2.	Regional Officer submitting the recommendation alongwith recommendation.	
3.	No. and date of letter vide which recommendation submitted	
4.	Date of receipt of application in Regional Office	
5.	Date of receipt of the case in Head Office	
6.	Name & address of the applicant unit	
7.	Name of the existing unit already registered with HSPCB	
8.	New name of the unit after change as per registration certificate submitted by the unit issued from the registration authority. (in case of change of name without other changes) <b>Or</b> Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority.	
9.	Whether deposited required and applicable NOC fee as per report of RO.	
10.	Status of CTO under Water Act/Air Act and authorization with validity if granted.	
11.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
12.	Whether submitted all the required documents as per checklist.	
13.	In case of shortcomings in the documents, detail of such documents	
14.	Status of Registration of new name/ new unit's name with competent authority with date	
15.	Competent authority for registration of name of unit.	
16.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	

03/56

17.	Manufacturing process/raw materials/products of the unit.	
18.	Observation of the Branch.	
19.	Proposal of the Branch.	



**Checklist of documents****1. For only change of nomenclature (name) of the unit in the record of the Board:**

- (a) Power of attorney/authorization letter
- (b) Copy of latest CTO/Authorization
- (c) Self declaration regarding no change in the ownership process/raw material/products of the unit.
- (d) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, with changed name of the unit.
- (e) Proof of NOC/CTE fees deposited.
- (f) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, attested by CA.

**2. For transfer of interest of a person in his industry to any other person or Where an existing unit is purchased or taken on lease by another unit and the new unit apply to the Board for grant or renewal of CTE/CTO in his name:**

- (a) Power of attorney/authorization letter
- (b) Copy of latest CTO/Authorization
- (c) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, in favour of the new unit.
- (d) Proof of NOC/CTE fees deposited.
- (e) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.
- (f) Copy of sale deed/rent deed/mortgaged deed/lease deed etc. as applicable registered from revenue authorities.
- (g) Copy of fresh memorandum of article & association or partnership deed or proof of proprietorship, as the case may be of the new unit, transferred the interest of the industry.

\*\*\*\*\*



03/58

Annexure - II केन्द्रीय प्रदूषण नियंत्रण बोर्ड

CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग, भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, GOVERNMENT OF INDIASPEED POST

CPCB/IPC-VI/ROGW/

1.8.01.2021

To

The Member Secretary  
SPCB/PCC  
(as per the list)

**Sub: Harmonization of Classification of Industrial Sectors into Red, Orange, Green and White Categories-reg.**

This has reference to CPCB Directions issued u/s 18(1)(b) of the Air and Water Act on 07.03.2016, regarding 'Harmonization of classification of industrial sectors under Red/Orange/Green/White categories', wherein CPCB has categorized 242 industrial sectors into red, orange, green & white categories and directed all SPCBs/PCCs for its adoption and implementation. The SPCBs/PCCs were also directed that addition of any new or left-over industrial sectors and their categorization, which is not listed in the categorization done by CPCB, shall be carried-out by a Committee at the level of concerned SPCB/PCC, in accordance with the revised criteria and guidelines of CPCB.

Further, a need was felt to categorize some industrial sectors on PAN-India level and to resolve anomalies in categorization, if any. Accordingly, CPCB constituted a Committee to deal with the matter related to categorization of industrial sectors under red/orange/green/white categories.

Subsequently, CPCB categorized (i) Scrapping Centre (ii) Used Cooking Oil Collection Centre (iii) Compressed/Refined Bio-gas production from bio-degradable waste & (iv) Railway Stations, vide directions dated 30.04.2020, and categorized (i) Dairy Farms & (ii) Gaushalas, vide directions dated 10.07.2020, for adoption and implementation.

Further, the CPCB Committee on categorization, in its meetings held on 21.07.2020, 11.08.2020 and 24.08.2020, categorized the following three sectors, the details of which are given at **Annexure-I**:

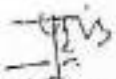
- i. Building and Construction Projects, having built-up area up to 20,000 m<sup>2</sup> and waste water generation  $\geq$  50 KLD.
- ii. Construction and Demolition (C&D) Waste Processing Plants.
- iii. Gold Assaying & Hallmarking Centres



03/59

All SPCBs/PCCs are directed to adopt and implement the categorization of these sectors and submit the Action Taken Report (ATR), in this regard to CPCB, within 15 days.

Yours faithfully,

  
(Prashant Gargava)  
Member Secretary

Encl: as above

Copy to:

- 1 The Joint Secretary (CP Division)  
Ministry of Environment, Forests  
& Climate Change,  
Indira Paryavaran Bhawan,  
3<sup>rd</sup> Floor, Prithvi, Aliganj, Jor Bagh Road,  
New Delhi -110 003
- 2 All Regional Directors, CPCB  
(as per list)
- 3 Div. Head, UPC-I, CPCB, Delhi
- 4 Div. Head, IPC-V, CPCB, Delhi
- 5 Div. Head-IT, CPCB, Delhi

: with a request to upload  
this letter on CPCB  
website

  
(Prashant Gargava)

Categorization of (i) Building and Construction Projects, (ii) Construction and Demolition (C&D) Waste Processing Plants and (iii) Gold Assaying & Hallmarking Centres

Sl. No.	Sl. No. (as per CPCB Document)	Non-Industrial Operations (Activities/ Facilities/ Infrastructures/ Services)	W1	W2	W	A1	A2	A	H	Pollution Index (PI)	Category	Remarks
1.	88	Building and Construction Projects, having built-up area up to 20,000 m <sup>2</sup> and waste water generation $\geq$ 50 KLD	20	-	20	-	-	-	-	50	Orange	i. Waste water is generated due to domestic use. ii. Projects having overall waste water generation of 50 KLD or more are considered for categorization. However, projects having waste water generation <50 KLD are also required to treat/manage sewage with appropriate systems such as soak pit, septic tank, STP etc. or direct discharge into sewer connected with terminal STP etc., as per the prescribed guidelines/norms. iii. If the discharge $\geq$ 100 KLD, it will have the normalized score (pollution index) of 75 and hence be categorized as Red.
2	89	Construction and Demolition (C&D) Waste Processing Plants	12	-	12	20	-	20	-	50	Orange	i. It is mainly air polluting process/activities. ii. Air pollution score is normalized to 100. iii. Waste water of high TDS of inorganic nature is generated in wet processing units. iv. In case of ancillary units/operations such as manufacturing of tiles, bricks, blocks etc. are associated, the categorization may change, depending on the process and waste generation.
3.	90	Gold Assaying & Hallmarking Centres	-	-	-	25	-	25	10	58.33	Orange	i. There is no wastewater generation from the process. ii. Lead oxide, nitrous fumes are generated during cupellation and parting acid treatment, respectively contributing to the air emissions. iii. The hazardous waste is generated during fire assay in the form of spent cupels bearing lead, spent acid, scrubbed water etc. This HW is required to be disposed at TSDF. iv. All the Gold Assaying & Hallmarking Test Centres certified by BIS shall follow the "Environmental Guidelines for Gold Assaying & Hallmarking Centres", issued by CPCB.

To:

## Address List of Member Secretary, SPCBs/PCCs

1.	The Member Secretary Andhra Pradesh State Pollution Control Board D.No. 33-26-14 DV2, Near Sunrise Hospital, Pushpa Hotel Centre, Chaluvari Street, Kasturibnipet, Vijayawada-520010 Andhra Pradesh	2.	The Member Secretary Arunachal Pradesh State Pollution Control Board 'ParyavaranBluvan', Yupa Road, PoppuNallah, Naharlagun - 791110 Arunachal Pradesh
3.	The Member Secretary Assam State Pollution Control Board Bammimaidan, Guwahati - 781021 Assam	4.	The Member Secretary Bihar State Pollution Control Board PariveshBhawan, Plot No.N-B/2, Patliputra Industrial Area Patna-800023
5.	The Member Secretary Chhattisgarh Environment Conservation Board ParyavaranBhawan, North Block Sector-19 NayaRaipur - 492 099 Chhattisgarh	6.	The Member Secretary Goa State Pollution Control Board Dempo Tower, EDC Plaza, 1 <sup>st</sup> floor Palto Plaza, Panaji, Goa - 403001
7.	The Member Secretary Gujarat State Pollution Control Board Sector 10-A, Gandhi Nagar - 382043 Gujarat	8.	The Member Secretary Haryana State Pollution Control Board C-11, Sector 6, Panchkula, Haryana 134109
9.	The Member Secretary Himachal Pradesh State Pollution Control Board ParyavaranBhawan, Phase III, New Shimla - 171009 Himachal Pradesh	10.	The Member Secretary J&K State Pollution Control Board, Parivesh Bhawan, Forest Complex, Gladni, Narwal, Transport Nagar, Jammu & Kashmir (J&K)
11.	The Member Secretary Jharkhand State Pollution Control Board T.A Building, HEC Campus, P.O. Dhanwa Ranchi - 834004 Jharkhand	12.	The Member Secretary Karnataka State Pollution Control Board ParivaraBhawan, 4 <sup>th</sup> & 5 <sup>th</sup> floors, Church Street, Bangalore - 560 001 Karnataka
13.	The Member Secretary Kerala State Pollution Control Board Plamodu Junction, Pattam Palace P.O. Thiruvananthapuram - 695004 Kerala	14.	The Member Secretary Maharashtra State Pollution Control Board Kalpataru Point, 3 <sup>rd</sup> & 4 <sup>th</sup> floors Sion Mangra Scheme Road No. 6 Opp. Cine Planet, Sion Circle, Sion (E), Mumbai 400 022 Maharashtra
15.	The Member Secretary Madhya Pradesh Pollution Control Board ParyavaranPariser, E-5 Arera Colony Bhopal - 462016 Madhya Pradesh	16.	The Member Secretary Manipur State Pollution Control Board Lampheipet, Imphal West D.C. Office Complex - 795004 Manipur
17.	The Member Secretary Meghalaya State Pollution Control Board Aiden, Lampynggal, Shillong - 793014 Meghalaya	18.	The Member Secretary Mizoram State Pollution Control Board New Secretariat Complex, Khatha, Thlanual Peng, Aizawl Mizoram - 796001
19.	The Member Secretary Nagaland State Pollution Control Board Signal Point, Dimapur, Nagaland - 797112 Nagaland	20.	The Member Secretary Odisha State Pollution Control Board PariveshBhawan A-118, Nilakanta Nagar, Unit -VIII, Bhubaneswar - 751012, Odisha

03/62

21.	The Member Secretary Punjab State Pollution Control Board Nabha Road, III Rd, Adarsh Nagar, Prem Nagar, Patiala - 147001, Punjab	22.	The Member Secretary Rajasthan State Pollution Control Board A-4 Institutional Area, Jhalandungi Jaipur - 302004, Rajasthan
23.	The Member Secretary Sikkim State Pollution Control Board State Land Use & Environment Cell Govt. of Sikkim, Doovali, Gangtok, Sikkim	24.	The Member Secretary Tamil Nadu Pollution Control Board No. 76, Mount Saini, Gairdy, Chennai - 600032, Tamil Nadu
25.	The Member Secretary Telangana State Pollution Control Board Paryavaran Bhawan A-3, Industrial Estate, Sanath Nagar, Hyderabad - 500 018, Telangana	26.	The Member Secretary Tripura State Pollution Control Board Parivesh Bhawan, Pt. Nehru Complex, Gorkhabasti P.O., Kanchhan, Agartala, West Tripura - 799 006, Tripura
27.	The Member Secretary Uttarakhand Pollution Control Board Gaura Devi Bhawan, 46 B IT Park Sebastradhera, Dehradun - 248001 Uttarakhand	28.	The Member Secretary Uttar Pradesh State Pollution Control Board Building No. TC-12V VibhutiKhand, Gomi Nagar, Lucknow - 226010, Uttar Pradesh
29.	The Member Secretary West Bengal State Pollution Control Board Parivesh Bhawan Building, No. 10-A, Block -LA, Sector 3, Salt Lake City, Kolkata - 700 091, West Bengal		
30.	The Member Secretary Andaman & Nicobar Islands Pollution Control Committee Department of Science & Technology Dollyganj Van Sadan, Haddo P.O., Port Blair-744102 Andaman & Nicobar	31.	The Member Secretary Chandigarh Pollution Control Committee Paryavaran Bhawan Madhya Marg, Sector - 19 B, Chandigarh - 160019, Chandigarh
32.	The Member Secretary Daman, Diu & Dadra Nagar Haveli Pollution Control Committee Office of the Deputy Conservator of Forests Moti Daman, Daman - 396220, Daman & Diu	33.	The Member Secretary Delhi Pollution Control Committee 4 <sup>th</sup> floor, ISBT Building, Kashmeri Gate, Delhi - 110006, Delhi
34.	The Member Secretary Lakshadweep Pollution Control Committee Lakshadweep Administration Department of Science, Technology & Environment Kavaratti - 682555, Lakshadweep	35.	The Member Secretary Puducherry Pollution Control Committee Department of Science, Technology & Environment Housing Board Complex, 3 <sup>rd</sup> floor, Anna Nagar, Pondichery - 605 005

To:

## Address list of Regional Directors, CPCB

03/63,

1.	The Regional Director Regional Directorate (West) Central Pollution Control Board 502, Southend Conclave 1582, Rajbhoga Main Road Kolkata-700107	2.	The Regional Director Regional Directorate (Vadodra) Parivesh Bhawan, Opp. Warf No. 10 VMC Office Subhanpura, Vadodra - 390021 Gujarat
3.	The Regional Director Regional Directorate (North-East) Central Pollution Control Board 111M-SIR, Lower Moisingar, New Fire Brigade H.Q. Shillong-792014	4.	The Regional Director Regional Directorate (Central) Central Pollution Control Board 3 <sup>rd</sup> Floor, Sahkar Bhawan North T.T Nagar Dhopol-462003
5.	The Regional Director Regional Directorate (North) Central Pollution Control Board Ground Floor, PICUP Bhawan Vishva Khend, Genti Nagar Lucknow-226026	6.	The Regional Director Regional Directorate (South) Central Pollution Control Board 1 <sup>st</sup> & 2 <sup>nd</sup> Floors, Nisargi Bhawan A-Block, Thimmalah Main Road 7 <sup>th</sup> D Cross, Shivanagar Opposite Pushpanjali Theatre Bangalore 560010
7.	The Regional Director Regional Directorate (Chandigarh) Central Pollution Control Board Parivesh Bhawan, East Arjun Nagar, Delhi-110032	8.	The Regional Director Regional Directorate (Pune) Central Pollution Control Board Parivesh Bhawan, East Arjun Nagar, Delhi-110032
9.	The Regional Director Regional Director - Chennai Central Pollution Control Board 77-A, Second Floor South Avenue Road, Ambattur Industrial Estate, Ambattur Taluk, Thiruvallur District, Chennai - 600 058		

## **AGENDA ITEM NO. 192.04**

**PREPARATION OF EXHAUSTIVE  
EMISSION INVENTORY OF PM10 FROM  
VARIOUS SOURCES OF DISTRICT  
MAHENDRAGARH IN THE MATTER OF  
OA NO. 667/2018 TITLED  
"MAHENDRA SINGH VS STATE OF  
HARYANA AND ORS.", OA NO.  
679/2018 TITLED "TEJPAL VS.  
STATE OF HARYANA AND ORS." AND  
OA NO. 599/2019 TITLED "  
BISHAMBER SINGH VS STATE OF  
HARYANA AND ORS."**

Agenda Item No. 192.4

Regarding preparation of exhaustive emission inventory of PM10 from various sources of District Mahendragarh in the matter of OA no. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors.

The Regional officer, Dharuhera vide his letter no. I/79466/2021 dated 02.12.2021 (Annexure-I) has submitted that Hon'ble NGT vide order dated 15.11.2021 in OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors. has directed at para No. 16 whose relevant portion is reproduced as:-

"Let a six-member joint Committee of CPCB, State PCB, District Magistrate, Mohindragarh, jurisdictional Conservator of Forest, nominee of IIT Delhi with expertise on the subject of air pollution and a Pulmonologist, nominated by DG Health, Haryana meet within two weeks and ponder over the issue. The CPCB and the State PCB will be nodal agency for coordination and compliance. They may interact with the stake holders, including the representatives of the stone crushers, who may be informed about proceedings before this Tribunal by the State PCB, in coordination with any other concerned authorities, in an appropriate manner by e-mail or otherwise. Any expenses to be incurred will be borne by the State PCB, subject to further orders. The District Magistrate may provide logistics for execution of the order. The Committee may give a report about the number of stone crushers and mineral grinding units which can be allowed and subject to what conditions, having regard to air pollution load and adverse impact on public health. The report may be furnished within three months by e-mail at [judicialngt@gov.in](mailto:judicialngt@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF which may also be uploaded on the website of the State PCB for information of all the affected stone crushers who will be at liberty to file their comments, if any, to the report before this Tribunal within 15 days of uploading of the report."

In compliance of Hon'ble NGT order dated 15.11.2021, Joint Committee meeting was held on 30.11.2021 in the Camp office of Deputy Commissioner, Mahendergarh

04/2

at Narnaul. In the meeting, Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi informed that there is need to develop emission inventory for the area to understand the contribution of different sources of PM10 concentrations so that the necessary action can be taken.

The Regional Officer, Dharuhera proposed to meet the main objective through the following sub-objectives column:-

1. Preparation of an exhaustive emission inventory of PM10 from various sources for the selected villages in the Mahendragarh District of Haryana.
2. Preparation of action plans for these villages of Mahendragarh District.

The Regional Officer, Dharuhera has submitted the proposal received from Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi (**Annexure-II**) regarding preparation of exhaustive emission inventory of PM10 from various sources of District Mahendergarh in the matter OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors.

As per the above proposal, duration of the study will be 03 months and zero date of project will be the date on which funds are received from HSPCB. The total budget of this study as proposed by Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi will be 12 Lakhs INR (Exclusive of applicable GST).

Sanction is already accorded by the Board vide letter no. I/99859/2022 dated 04.03.2022 for Rs. 12 Lakhs (Twelve Lakhs only) (exclusive of applicable GST) in favour of Dr. Sri Harsha Kota, Associate Professor, IIT Delhi regarding Study on Development of Emission Inventory for Eighteen Villages of Mahendergarh District in Haryana in compliance of Hon'ble NGT order dated 15.11.2021 in the matter of OA no. 667/2018 titled as Mahendra Singh Vs State of Haryana and others and OA no. 679/2018 titled as Tejpal Vs State of Haryana and others subject to all financial provisions and procedures, as applicable.

The proposal is placed before the Board for consideration and ex-post facto approval, please.



04/3

Annexure - I

## **Haryana State Pollution Control Board**

**REGIONAL OFFICE, LALA NEMI CHAND SINGHAL ENCLAVE, SOHNA ROAD  
NEAR PUNJAB NATIONAL BANK, DHARUHERA**

**Tele Fax: 01274-244241**

**E-Mail: hspcbrodr@gmail.com**

To,

The Chairman  
Haryana State Pollution Control Board,  
Panchkula

Sub.- Request to accord proposal for preparation of exhaustive emission inventory of PM10 from various sources of District Mohindergarh in the matter OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors.- reg.

Ref.- Hon'ble NGT order dated 15.11.2021 and Proposal received from Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi.

In this connection, it is submitted that Hon'ble NGT vide order dated 15.11.2021 in OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors. has directed at para No. 16 whose relevant portion is reproduced as:-

*"Let a six-member joint Committee of CPCB, State PCB, District Magistrate, Mohindragarh, jurisdictional Conservator of Forest, nominee of IIT Delhi with expertise on the subject of air pollution and a Pulmonologist, nominated by DG Health, Haryana meet within two weeks and ponder over the issue. The CPCB and the State PCB will be nodal agency for coordination and compliance. They may interact with the stake holders, including the representatives of the stone crushers, who may be informed about proceedings before this Tribunal by the State PCB, in coordination with any other concerned authorities, in an appropriate manner by e-mail or otherwise. Any expenses to be incurred will be borne by the State PCB, subject to further orders. The District Magistrate may provide logistics for execution of the order. The Committee may give a report about the number of stone crushers and mineral grinding units which can be allowed and subject to what conditions, having regard to air pollution load and adverse impact on public health. The report may be furnished within three months by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF which may also be uploaded on the website of the State PCB for information of all the affected stone crushers who will be at liberty to file their comments, if any, to the report before this Tribunal within 15 days of uploading of the report."*

04/4

In compliance of Hon'ble NGT order dated 15.11.2021, Joint Committee meeting was held on 30.11.2021 in the Camp office of Deputy Commissioner, Mohindergarh at Narnaul. In the meeting, Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi informed that there is need to develop emission an inventory for the area to understand the contribution of different sources of PM<sub>10</sub> concentrations so that the necessary action can be taken. It is proposed to meet the main objective through the following sub-objectives column:-

1. Preparation of an exhaustive emission inventory of PM10 from various sources for the selected villages in the Mahendragarh District of Haryana
2. Preparation of action plans for these villages of Mahendragarh District

As per the proposal, duration of the study will be 03 months and zero date of project will be the date on which funds are received from HSPCB. The total budget of this study as proposed by Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi will be 12 Lakhs INR (Exclusive of applicable GST).

As per the order of Hon'ble NGT dated 15.11.2021 in the above OAs, "any expenses to be incurred will be borne by the State PCB, subject to further orders."

Keeping in the view of above, It is requested to kindly consider/accord the proposal (Rs. 12 Lakhs INR Exclusive of applicable GST) in regards to carry out preparation of an exhaustive emission inventory of PM10 from various sources in the District Mahendragarh so that action taken report in compliance of the Hon'ble NGT order dated 15.11.2021 in the matter of OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors.; & OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. and OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors. may be submitted to Hon'ble NGT within stipulated time period, accordingly.

- DA/-
1. Copy of Hon'ble NGT order dated 15.11.2021
  2. Copy of proposal received from Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi

Signed by Mohit Moudgil

Date: 02-12-2021 15:10:34

Regional Officer  
Dharuhera Region

Item Nos. 01 to 03

(Court No. 1)

**BEFORE THE NATIONAL GREEN TRIBUNAL**

(By Video Conferencing)

Original Application No. 667/2018

Mahendra Singh

Applicant

Versus

State of Haryana & Ors.

Respondent(s)

With

Original Application No. 679/2018

Tejpal

Applicant

Versus

State of Haryana & Ors.

Respondent(s)

With

Original Application No. 599/2019

Bishamber Singh

Applicant

Versus

State of Haryana & Ors.

Respondent(s)

Date of completion of hearing and reserving of order: 26.10.2021

Date of uploading of order on the website: 15.11.2021

**CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON  
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER  
HON'BLE MR. JUSTICE BRIJESH SETHI, JUDICIAL MEMBER  
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER**

Applicant: Mr. Raj Kumar, Advocate

Respondent: Mr. Anil Grover Senior AAG with Mr. Rahul Khurana, Advocate for HSPCB

Mr. Tarun Gupta, Advocate for Shree Vinayak Stone Crusher

**ORDER**

1. This order will deal with Original Application Nos. 667/2018, 679/2018 and 599/2019. O.A Nos. 667/2018 and 679/2018 were earlier

also being dealt with by a common order as shown by order dated 03.12.2020. O.A. No. 599/2019 was dealt with by a separate order earlier but vide order date 3.12.2020, it was made clear that directions in O.A. No. 667/2018 will also apply to O.A. No. 599/2019. All the three issues are interconnected in terms of air and noise pollution due to crushing of stone or other such minerals in same area, in violation of air quality norms and extraction of ground water in the water deficient area of District Mahendragarh, Haryana (dark zone), to the detriment of environment. In first two matters, crushing of stones is involved while in OA No. 599/2019, polluting activity is of grinding of minerals, which may be other than stones.

2. Order dated 03.12.2020 in O.A Nos. 667/2018 and 679/2018 deals with the facts and the background, including the order of the Hon'ble Supreme Court dated 02.11.2020 in *Civil Appeal No. 6368 of 2019* directing this Tribunal to dispose of the matter, preferably within four weeks and leaving open for all the parties to argue all points before this Tribunal. The order also contains substantial discussion on the issue. The Tribunal considered the Notification of the State of Haryana laying down siting criteria for the stone crushing activities and environmental norms and proceedings before the Punjab and Haryana High Court on the subject of distance criteria for location of such units. The Tribunal also considered the status of air pollution in the NCR region and its adverse health impact so as to consider prohibition/regulation of activities adding to pollution load to the detriment of public health. Reference was made to the earlier order of the Tribunal dealing with the closing/restricting coal fired brick kilns, having regard to the data of air pollution. It will be appropriate to reproduce certain parts of the said order.

04/7

3. We may first reproduce the charts about the laid down air quality standards and nature of health impact of the increased air pollution, which have been extracted from the judgement of the Hon'ble Supreme Court in *Arjun Gopal & Ors. v. UOI & Ors*<sup>1</sup>:

"Table 1

<b>AQI</b>	<b>Associated Health Impacts</b>
<i>Good (0-50)</i>	<i>Minimal impact.</i>
<i>Satisfactory (51-100)</i>	<i>May cause minor breathing discomfort to sensitive people.</i>
<i>Moderately polluted (101-200)</i>	<i>May cause breathing discomfort to people with lung disease such as asthma, and discomfort to people with heart disease, children and older adults.</i>
<i>Poor (201-300)</i>	<i>May cause breathing discomfort to people on prolonged exposure, and discomfort to people with heart disease.</i>
<i>Very Poor (301-400)</i>	<i>May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases.</i>
<i>Severe (401-500)</i>	<i>May cause respiratory impact even on healthy people, and serious health impacts on people with lung/heart disease. The health impacts may be experienced even during light physical activity.</i>

Table 2

AQI Category, Pollutants and Health Breakpoints								
AQI category [Range]	PM <sub>10</sub> 24-hr	PM <sub>2.5</sub> 24-hr	NO <sub>2</sub> 24-hr	O <sub>3</sub> 8-hr	CO 8-hr [mg/m <sup>3</sup> ]	SO <sub>2</sub> 24-hr	NH <sub>3</sub> 24-hr	Pb 24-hr
Good (0-50)	0-50	0-30	0-40	0-50	0-1.0	0-40	0-200	0-0.5
Satisfactory (51-100)	51-100	31-60	41-80	51-100	1.1-2.0	41-80	201-400	0.5-1.0
Moderately polluted (101-200)	101-250	61-90	81-180	101-168	2.1-10	81-380	401-800	1.1-2.0
Poor (201-300)	251-350	91-120	181-280	169-208	10-17	381-800	801-1200	2.1-3.0
Very poor (301-400)	351-430	121-250	281-400	209-748*	17-34	801-1600	1200-1800	3.1-3.5
Severe (401-500)	430+	250+	400+	748**	34+	1600+	1800+	3.5+

4. The factual background of the grievance of the applicant was noticed as follows:

*"1. The issue for consideration is illegal operation of stone crushers in District Mahendergarh, Haryana. Objections of the applicant are that the stone crushers are operating in violation of the environmental norms. They are located close to the plantations, reserved forest, educational institutions and in clusters. The area*

<sup>1</sup>(2017) 1 SCC 412

is critical/over exploited in terms of the ground water but ground water is being illegally extracted. There is scarcity of water even for drinking purposes. There is no proper disclosure and evaluation of the source of water for operation of the stone crushers and no steps are taken to mitigate dust and air pollution. The air quality of the area, which is part of NCR, is unsatisfactory and cannot sustain addition of dust pollution generated by the stone crushers."

5. Report dated 23.07.2019 filed by the joint Committee of the Deputy Commissioner, the District Town and Country Planning department, the Divisional Forest Officer Mahendergarh and the Haryana Pollution Control Board considered in the earlier order is reproduced below for ready reference:-

**a. Siting criteria**

1. There are total 158 Nos. of stone crushers; out of these 118 Nos. are installed/operational and remaining 40 Nos. of stone crushers are under installation at various stages after obtaining CTE from HSPCB on the basis of siting norms reports submitted by the Tehsildar and DFO as per Notification 11.05.2016. Out of 118 Nos. of installed/operational stone crushers, **46 Nos. of stone crusher are not meeting the siting criteria**, as mentioned in Table-2 (Sr. no. 1 to 46). Out of 40 Nos. of stone crushers which are under installation at various stages, **26 Nos. of stone crushers are not meeting the siting criteria as per notification dated 11.05.2016 & Notification dated 04.04.2019 as mentioned in Table-2( Sr. No. 47 to 72)**. Brief details of total 72 Nos. non complying stone crushers is described as below in Table-4:-

Table-4

Sr. No.	Remarks	Nos.
1.	Total Non-Complying stone crushers as per siting criteria	72
2.	Action already taken CTE Revoked Closed by Board due non compliances under Air Act, 1981 CTE Revocation under process Closure and CTO Revocation under process	31
3.	Show cause notices issued non complying units identified after DGPS measurement	29
4.	No Action required at this stage Operational stone crushers granted time for shifting (Annexure II & III)	12

04/9

<p><i>*Already closed by Board described above at Sr. No. 2 =04+01*</i></p> <p>Under process stone crusher shifting policy w.r.t. notification 07.11.2017</p>	<p>= 08</p>
---	-------------

2. **HSPCB has already revoked consent to establish of following 03 Nos. (as mentioned in Table-2, at Sr. No. 70 to 72) stone crushers which are also individual respondents in OA No. 667 of 2018 titled as Mahendra Singh Vs. State of Haryana and Ors. and OA No. 679 of 2018 titled as Tejpal Vs. State of Haryana and Ors. filed before Hon'ble National Green Tribunal respectively:-**
  - i) *M/s. DEV SHRI KRISHNA STONE CRUSHER Khewat No. 45, Khatoni No. 53, M.No. 12, Kila No. 25/2 (3-13) M. No. 15, Kila No. 5 min East (7-0) Total 10 Kanal 13 Marla, Village-Karota, Tehsil-Narnaoul, Distt. Mahendragarh.*
  - ii) *M/s. Unique Stone Crusher, Khewat No. 15, Khatoni No. 15, M. No. 11, Kila no. 11/2(2-15), 20(7-12) & 21/1 (6-9) Total 16 Kanal 16 Marla, Vill-Karota, Narnaoul, Distt. Mahendragarh.*
  - iii) *M/s. KSY BUILDCON, Khewat No. 47, Khatoni No. 68, M. No. 9, Kila no. 15/2(3-16), 16(7-19), 24/1/1(0-16), 25/1/1(0-18) Total 13 Kanal, 09 Marla at Vill- Khatoli Jat, Nangal Chaudhary, Distt. Mahendragarh. Copies of CTEs revocation order is attached as Annexure-XIII to XV.*
3. **HSPCB has initiated action for closure and revocation of CTE/CTO as applicable against all those 29 stone crushers (s mentioned in Table -2, at Sr. No. 1 to 24 & 68 to 72) whose parameters were not accordance with measurement done earlier through Shazra & also are not meeting siting criteria as per the fresh measurement report with DGPS.**
4. **HSPCB has also issued show cause notices for closure and revocation of CTE/CTO on 23.07.2019 as applicable under provisions of sub section 4 of section 21 of Air (Prevention and Control of Pollution) Act, 1981 against all other 29 stone crushing units (as mentioned in Table-2, at Sr. No. 31 to 42 & 51 to 67) which were found non-complying with the report (submitted by Tehsildar on 27.07.2019) after DGPS measurement and further action shall be taken accordingly.**
5. **Two stone crushers (as mentioned in Table-2, at Sr. No. 29 to 30) have already been closed & sealed by Board due to non-compliance under Air Act, 1981.**
6. **Five stone crushers (as mentioned in Table-2, at Sr. No. 25 to 29) have already been granted time for shifting/relocation as per notification 11.05.2016 and Govt. Order 11.06.2019, out of these one stone crusher mentioned in Table -2 at Sr. No. 29 has already been**

04/10

closed & sealed by Board due to non-compliance under Air Act, 1981.

7. Eight stone crushers (as mentioned in Table-2, at Sr. No. 43 to 50) are not meeting siting criteria only by the municipal limits notification dated 07.11.2017 of Urban Local Bodies. If draft Urban Local Bodies Notification, dated 08.03.2019 will be finalised as such, then all these 8 stone crushers will fulfil the siting criteria. Further, decision of Govt. of Haryana regarding policy for shifting such stone crushing units as proposed by HSPCB is yet to be finalised by the Govt. of Haryana.

**b. Mechanism for drawl of Water**

1. Twenty Nos. of operating stone crushers are not taking treated water from STP of PHED as per detailed list provided by PHED (Annexure-XVI). HSPCB had issued show cause notices to submit the source of water being used and permission from any other permitted source. Only five units have submitted reply which was not found satisfactory. HSPCB has initiated action for closure and revocation of CTO against all these twenty stone crushers.
  2. Eighteen Nos. of stone crushers falling in dark zone have installed illegal bore-well/tube-well in their premises without any permission from the GWC and illegal bore-well/tube-well has been sealed by the GWC, Narnaul as mentioned in Table-3.
  3. Joint Committee in coordination with CGWA shall make an assessment of environmental compensation for illegal extraction of ground water by these stone crushers, in accordance with order of this Hon'ble Tribunal dated 30.11.2018 in Harinder Singh & Ors. Vs. Prateek Buildtech (India) Pvt. Ltd. & Ors and order dated 30.04.2019 in Ramkmar Vs. State of Haryana & Ors. (OA No. 1032/2018)."
6. The discussion in the said order is as follows:-

**\*8. Substance of the submissions is that the joint Committee report with regard to violation of siting norms is against the order of the High Court and further decisions of the State. Though this Tribunal has repeatedly held that even subsequently laid down norms and safeguards will bind already established units to give effect to the principle of sustainable development and there is no vested right of a unit established against any future laying down of safeguards to give effect to the Constitutionally guaranteed citizens right to clean environment<sup>2</sup> However, to avoid conflicting orders and assuming the argument to be correct, compliance of environmental norms in terms of ambient air quality, health impact on the inhabitants and the carrying capacity of the area cannot be wished**

<sup>2</sup> Order dt 14.8.2019 OA 53/2019, Tej Pal v state of UP, paras 5 to 8



*GRAP.* The only issue which is said to be pending consideration before the High Court is the siting criteria and not the issues of other pollution norms, background concentration of air quality and the carrying capacity in terms of the air quality which is being considered in the present matter by this Tribunal in terms of order dated 24.7.2019 noted earlier. The carrying capacity is a facet of sustainable development which, among others, will require consideration of air quality, inter-se distance and additive impact of operation of the stone crushers on the air quality and water in the light of the 'Precautionary' principle of environmental law to be enforced by this Tribunal under sections 20 and 15 of the NGT Act, 2010.

9. It is well known that NCR is facing air pollution issues and, in winter months, the problem is further aggravated. Polluting activities, even if otherwise legitimate, are required to be stopped/regulated to avoid adverse health impact on account of air pollution. **Stone crushers add to air pollution.** On that account-as per Graded Response Action Plan for Delhi & NCR (GRAP), the stone crushers in NCR have to be automatically closed when the air quality is 'severe'. Relevant portion of the Graded Response Action Plan is as follows:-

Severe (ambient PM10 concentration value is more than 250 ug/m <sup>3</sup> or 430ug/m <sup>3</sup> respectively)	Agency responsible/Implementing Agency
Close brick kilns, Hot Mix plants, Stone Crushers	Chairpersons Delhi Pollution Control Committee, State Pollution Control Boards of Haryana, Rajasthan, and Uttar Pradesh
	Superintendent of Police and Deputy Commissioner of respective districts

10. GRAP is self-operating but does not exclude assessment-based restrictions. **Permissibility of stone crushers depends on the available air quality and impact of operation of such stone crushers on the environment and public health in a particular area.** In this regard, we may notice the observations of the Hon'ble Supreme Court in some matters. In *M.C. Mehta v. Union of India*, (1992) 3 SCC 256, at page 257, it was observed:

"...Utter disregard to environment has placed Delhi in an unenviable position of being the world's third grubbliest, most polluted and unhealthy city as per a study conducted by the World Health Organisation. **Needless to say that every citizen has a right to fresh air and to live in pollution-free environments.**

3. For the reasons to be recorded and pronounced at a later stage we order and direct as under:

(1) The mechanical stone crushers established/operating in Lal Kuan, Anand Parbat, Rajokri, Tughlakabad and

04/12

*in any other area of the Union territory of Delhi shall stop operating/functioning with effect from August 15, 1992. No stone crusher shall operate in the Union territory of Delhi from August 15, 1992 onward.*

*(2) The mechanical stone crushers established/operating in Suraj Kund, Lakhapur, Lakkarpur, Kattan, Gurukul, Badkhal, Pallinangla, Saraikhaja, Anangpur and Bailabgarh areas of Haryana shall stop operating/functioning with effect from August 15, 1992. No stone crusher shall operate in the above-said area from August 15, 1992 onward.*

11. *Again, in M.C. Mehta v. Union of India, (2006) 11 SCC 582, at page 586, it was observed :*

*"While conducting a study of environmental problems of the Aravalli hills and preparation of action plan for restoration of environmental quality in Gurgaon district, the Central Mine Planning and Design Institute Limited (CMPDI), had inter alia noted that in the Aravalli hills, large number of activities, operations of stone crushers and deforestation besides other activities are causing environmental degradation. These mines are usually located in clusters in remote mineral-rich districts/areas where living standards are lower and understanding of people towards environmental impact is also poor. In the past, the mine operators took no note of environmental damage. In fact, they were not even conscious about it. The attitude of the mining community is to ignore the environmental concerns. In the majority of the cases, the environmental concerns are ignored for making quick profits. The small mines (less than 5 hectares) and the mining of minor minerals which are no doubt small individually but have damaging characteristics when in clusters e.g. the mines of granite, marble, slates, quartzite, etc. (falling under minor minerals) are no less damaging than the others, especially when the processing is taken into consideration. The mining activities result in disturbance of land surface, altering drainage pattern and land use, besides the pollution problems, which may lead to the environmental problems of air, water and noise pollution and solid waste pollution."*

12. *In People Right and Social Responsibility Centre v UoI, (2010) 14 SCC 769, it was noted that persons at and close to stone crushers suffer from Silicosis disease against which safeguards are to be adopted.*

13. *In Arjun Gopal & Ors. v. UOI & Ors.<sup>3</sup>, the Hon'ble Supreme Court noted the adverse impact of unsatisfactory air quality on health and air quality grading as follows:*

<sup>3</sup>(2017) 1 SCC 412

04/13

"5. In India, air quality standards are measured in terms of the Air Quality Index (hereinafter "AQI"). The AQI was launched in India on 17-10-2014 by the Ministry of Environment and Forests. According to the press release of the Press Information Bureau of the same date, it consists of a comprehensive set of parameters to monitor and assess the air quality. The AQI considers eight pollutants (PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, NH<sub>3</sub>, and Pb), and based on the levels of these pollutants six categories of AQI ranging from "Good" to "Severe" have been prescribed. The index also suggests the health effects of the pollution category wise. The gradation of AQI and its health impact is extracted below:

\*\*\*.....Table 1 and 2 already reproduced above.

14. After noting the above, the Hon'ble Supreme Court first banned the sale and use of fire crackers and then restricted their use with the observations that finally the same may have to be banned.

15. This Tribunal recently considered the issue in the context of closing/restricting the brick kilns in absence of carrying capacity of the air quality in the NCR\*. Relevant observations are as follows:-

10. It was concluded from the above data that there was no supporting carrying capacity to operate brick kilns during the entire brick kilns operating season. However, with regard to Districts where supporting carrying capacity was available in particular months such number was worked out for Haryana, UP and Rajasthan as follows:-

\*Table 9: Number of brick kilns which can be operated in NCR Districts of Haryana during March-June.

S.No.	Name of District	Load in excess of Assessed Carrying Capacity				Total No. of Zig Zag type Brick Kilns	No of Zig Zag type Brick Kilns, which can be operated			
		March	April	May	June		March	April	May	June
1	Bhiwani	-2668	2748	11629	65779	133	161	52	16	45
2	Faridkot	59651	59519	127403	59551	85	35	-5	-40	-13
3	Gurgaon	40893	118701	129199	59004	6	-75	-113	-119	-83
4	Haryana	11004	87036	104114	38662	597	376	300	203	327
5	Jind	35179	130169	199410	158435	111	73	-9	-86	-87
6	Karnal	38290	128751	151235	135717	90	57	-37	-89	-14
7	Mahendragarh	9486	70467	88628	51126	43	33	-34	-17	-9
8	Rohtak (Mewat)	5375	86839	34990	34432	62	57	-7	7	28
9	Palwal	26148	149593	95720	112461	110	84	1	19	-2
10	Faridkot	2735	54014	149364	42668	27	54	23	-54	37
11	Faridkot	27065	54019	119932	121597	76	49	-10	-43	-18
12	Rohtak	NA	18364	27870	34965	49	NA	-81	21	19
13	Faridkot	11571	113504	163699	150093	261	203	151	100	106
14	Cherkehi Distt	NA	NA	NA	NA	20	NA	11 NA	NA	NA

\* Vide order dated 15.10.2020 in G.A No. 1016 of 2019, Utkarsh Panwar v. CPCB

From CAMDSE and AOD values for Chloride Deficit were not available.

\*Negative Values indicate that no brick kiln can be operated

**Table 10: Number of brick kilns which can be operated in NCR Districts of Haryana during October- February.**

S.No.	Name of District	Supportive Carrying Capacity, Kg					Total No. of Zig Zag type Brick Kilns	No of Zig Zag type Brick Kilns, which can be operated				
		October	November	December	January	February		October	November	December	January	February
1	Rohini	-181287	-217824	-141332	-30771	-102713	133	-181	-218	-161	-81	-103
2	Ferozabad	-5074	-63483	-15300	-60908	-69744	86	-58	-63	-86	-61	-70
3	Gurgaon	-24855	-114707	-15870	-44752	-51085	4	-87	-115	-95	-45	-51
4	Jhajar	-37037	-68158	-35725	-8473	-24208	387	-87	-66	-36	-8	-25
5	Jind	-139493	-300345	-57747	-19973	-42396	111	-125	-200	-89	-20	-62
6	Karnal	-129065	-210891	-124352	NA	-74670	92	-129	-211	-124	NA	-75
7	Mahendragarh	-86097	-46910	-24946	-29829	-17683	48	-87	-41	-28	-30	-18
8	Mir (Meerut)	-11344	-81361	-34758	NA	-81820	62	-41	-51	-25	NA	-32
9	Palwal	-58906	-95730	-13648	-18728	-61021	110	-49	-97	-83	-19	-51
10	Paritpat	-159739	-148652	-154830	-3515	-114526	82	-158	-149	-135	-4	-113
11	Rewari	-172887	-123782	-34855	-66279	-109948	75	-133	-124	-65	-66	-101
12	Sahjola	-61259	-79059	-58428	-61070	NA	49	-61	-79	-59	-61	NA
13	Sonapat	-805291	-87787	-59724	-165482	-89069	265	-166	-64	-60	-156	-85
14	Charkhi Dadri	NA	NA	NA	NA	NA	29	NA	NA	NA	NA	NA

\*Negative Values indicate that no brick kiln can be operated

The month-wise number of brick kilns which can be operated within the assimilative capacity during March-June and October- February are presented in Table 11 and Table 12 respectively, for NCR districts of Uttar Pradesh.

**Table 11: Number of brick kilns which can be operated in NCR Districts of Uttar Pradesh during March-June.**

11. Finally, it has been concluded:-

xxx

xxx

xxx

Following is the submission of CPCB on the above points:

i) Based on the evaluation of the data and estimation of the carrying capacity as explained in the previous section, there is no assimilative capacity available in the ambient air environment in the NCR districts of Haryana, Uttar Pradesh and Rajasthan for simultaneous operation of all the existing brick kilns, even after adopting Zig-zag technology. Based on the available assimilative capacity, some brick kilns may operate.

04/15

12 to 14 xxx.....xxx.....xxx

15. We are unable to find any substance in the objections. CPCB has duly explained that the Carrying Capacity is based on monthly average data on  $PM_{10}$  generated from CAAQMS and where no such data was available, Aerosol Optical Depths were extrapolated to PM. Further, carrying capacity has been assessed by taking mixing heights into consideration and comparing with identical air shed of districts geographical area and dispersion air volume conditions. With regard to emission load, the load is based on actually monitored values taking stack diameter, velocity, temperature and pressure of flue gases and standard of  $250 \text{ mg/Nm}^3$  at 17%  $O_2$ . Overall fact is that entire NCR has no carrying capacity to take load of the pollution of the brick kilns as already levels of  $PM_{10}$  and  $PM_{2.5}$  are exceeding daily/annual standards. As per Table 15 of the Report, no brick kiln has scope to operate except, some may, during March to June.

16. xxx.....xxx.....xxx

17. In *Arjun Gopal & Ors. v. UOI & Ors.*<sup>5</sup>, it was observed that the residents of NCR faced severe air quality standards which were worst in the World. It had serious adverse health impact. Life of citizens in NCR had been brought to virtual standstill. The Capital was smoked into an environmental emergency of unseen proportions. It will be appropriate to extract some observations from the judgment:-

"4. The onset of winter and the festival/marriage season this year, presented to the residents of NCR severe concerns regarding the air quality standards. According to reports, the air quality standards in early November of this year were the worst in the world. It is reported that the  $PM_{2.5}$  levels recorded were "beyond scale" values (see *India's Air Quality Among World's Worst Over Diwali Weekend: Report. 4-11-2016, Hindustan Times*). The report indicates that 24-hour average of  $PM_{2.5}$  levels in South Delhi in 2016 were 38% higher than on the Diwali night of 2015. The day after Diwali, these levels were twice as high as the day after Diwali in 2015, crossing  $650 \mu\text{g}/\text{m}^3$ , which is 26 times above the WHO's standards or levels considered safe. Shockingly, on the morning of 1-11-2016, Delhi woke up to an average  $PM_{2.5}$  level of over  $700 \mu\text{g}/\text{m}^3$  — some of the highest levels recorded the world over and 29 times above WHO standards. The report further states that the WHO guideline for 24-

<sup>5</sup>[2017] 1 SCC 412

04/16

hour average  $PM_{2.5}$  levels is  $25 \mu\text{g}/\text{m}^3$  and with an annual average  $PM_{2.5}$  level of  $122 \mu\text{g}/\text{m}^3$ , Delhi's air is the worst among global megacities with dense populations. We have particularly referred to the  $PM_{2.5}$  levels because of the extreme effects and near invisibility of this type of particulate matter.  $PM_{2.5}$  or particulate matter 2.5 ( $PM_{2.5}$ ), refers to tiny particles or droplets in the air that are two-and-one-half microns or less in width. It may be noted that the widths of the larger particles in the  $PM_{2.5}$  size range would be about thirty times smaller than that of a human hair. These particles primarily emanate from vehicle exhausts and other operations that involve the burning of fuels such as wood, heating oil or coal, and of course, use of fire crackers.

5. ....

6. Reports indicate that AQI in Delhi was much above the severe standard, shooting off the AQI 500 mark on many days this November. On the day after Diwali, it was more than 14 times the safe limits (see Delhi's Pollution Levels Peaks at 14-16 Times Safe Limits, 31-10-2016, The Hindu). The adverse health effects of these hazardous levels of pollution are only too evident from the table given above. We do not intend to refer to the multiplicity of reports and data on this front.
7. The hazardous levels of air pollution in the last few weeks has spared very few from its ill effects. The life of the citizens of NCR was brought to a virtual standstill, not to speak about the plight of the thousands of mute flora and fauna in NCR. Schools were declared shut, denizens of the city advised to stay indoors, construction activities stopped, power stations shut and ban imposed on burning of garbage and agricultural waste. The fall in air quality has had a significant impact on people's lifestyle as well. The rising costs to protect against air pollution are substantial. It has come to our notice that people are queuing up to purchase protective masks and air purification systems in the wake of dense smog all over the NCR. In short, the capital was "smogged" into an environmental emergency of unseen proportions.
8. The adverse effects of these extreme levels of air pollution spare no one — the young, the old, the infirm and even the future generations. A study of the data of the Global Health Depository of the

04/17

World Health Organisation reveals that India has the world's highest death rate from chronic respiratory diseases and that about 1.5 million people in India die annually due to indoor and outdoor pollution (see Delhi Wakes up to an Air Pollution Problem it cannot Ignore, 15-2-2015, The New York Times). The Kolkata-based Chittaranjan National Cancer Institute (CNCI), in a study commissioned and handed over to the Central Pollution Control Board, found that key indicators of respiratory health, lung function to palpitation, vision to blood pressure, of children in Delhi, between four and 17 years of age, were worse off than their counterparts elsewhere. It also found that more than 40% of the school children suffer from lung damage (see Landmark Study Lies Buried, 2-4-2015, The Indian Express). We note with apprehension that there are nascent studies that suggest that pollution can lower children's IQ, hurt their test scores and increase the risks of autism, epilepsy, diabetes and even adult-onset diseases like multiple sclerosis (see Holding Your Breath in India, 29-5-2015, The New York Times).

9. It has been brought to our notice that the severe air pollution in the NCR is leading to multiple diseases and other health related issues amongst the people. It is said that the increase in respiratory diseases like asthma, lung cancer, bronchitis, etc. is primarily attributable to the worsening air quality in the NCR. The damage being caused to people's lungs is said to be irreversible. Other health related issues like allergies, temporary deafness are also on the rise. Various experts have pointed towards multiple adverse effects of air pollution on human health like premature deaths, rise in mortality rates, palpitation, loss of vision, arthritis, heart ailments, cancer, etc.
10. When we refer to these extreme effects, we are not merely referring to the inconvenience caused to people, but to abject deprivation of a range of constitutionally embedded rights that the residents of NCR ought to have enjoyed. Needless to state, the grim situation of air quality adversely affected the right to education, work, health and ultimately, the right to life of the citizens, and this Court is constitutionally bound to address their grave concerns. May we remind ourselves, that this is not the first time that this Court was impelled into ensuring clean air for the citizens of the capital region (see M.C. Mehta v. Union of India [M.C. Mehta v. Union of India, (1998) 6 SCC 60] · [M.C. Mehta v. Union of India, (1998) 9 SCC

04/18

589] , *M.C. Mehta v. Union of India* [M.C. Mehta v. Union of India, (1998) 8 SCC 648] and *M.C. Mehta v. Union of India* [M.C. Mehta v. Union of India, (1998) 8 SCC 206].”

18. In the context of banning sale of crackers having adverse impact on the air quality, it was held that **even if there were several sources of pollution, a particular polluting activity could be prohibited.** No equality could be pleaded in this regard. Right to trade was not absolute and could be restricted for protection of Environment which was a specific Directive Principle of State Policy enforcement of which was a reasonable restriction on fundamental right to trade. The 'Precautionary Principle' of environmental law allows prohibition of a polluting activity even in absence of scientific certainty. ....”

19. Carrying capacity is a facet of sustainable development. It is inherent in 'Precautionary Principle' as well as in 'Intergenerational Equity'. In *MC Mehta v. UOI & Ors.*, construction activity in the catchment area of Badkhal were directed to be restricted/regulated to the level of Carrying capacity. It was observed that:-

**“Preventive measures have to be taken keeping in view of the carrying capacity of the ecosystem operating in the environmental surroundings under consideration.”**

20. In *Vellore Citizens' Welfare Forum v. UOI & Ors.*<sup>6</sup>, it was observed that quality of human life is to be improved within the carrying capacity to supporting ecosystem. Relevant extract is as follows:-

**“10..... During the two decades from Stockholm to Rio “Sustainable Development” has come to be accepted as a viable concept to eradicate poverty and improve the quality of human life while living within the carrying capacity of the supporting ecosystems. “Sustainable Development” as defined by the Brundtland Report means “Development that meets the needs of the present without compromising the ability of the future generations to meet their own needs”. We have no hesitation in holding that “Sustainable Development” as a balancing concept between ecology and development has been accepted as a part of the customary international law though its salient features have yet to be finalised by the international law jurists.”**

21. These observations are reiterated in (2006) 6 SCC 371.<sup>7</sup>

<sup>6</sup> (1996) 5 SCC 647

<sup>7</sup> Para 66 to 76



04/19

22 to 23 xxx..... xxx..... xxx

24. The Tribunal has a mandate to follow these principles under Section 20 read with Section 15 of the National Green Tribunal Act, 2010 and can issue appropriate directions for enforcement of these principles, as laid down in *Mantri Techzone Pvt. Ltd. v. Forward Foundation and Ors.*,<sup>8</sup> and the *Director General (Road Development) NHAI v. Aam Aadmi Lok Manch.*<sup>9</sup> Environmental rule of law requires strict enforcement of these principles as laid down in *Hanuman Laxman Aroskar v. UOI*.<sup>10</sup>
25. This Tribunal in O.A. No. 681/2018, vide order dated 21.08.2020, dealt with the remedial measures for restoration of air quality in 122 Non-attainment cities, including Delhi where air quality is generally beyond norms. The Tribunal directed stopping polluting activities, including brick kilns and assessment of carrying capacity of urban areas to take policy decisions to control polluting potential activities beyond carrying capacity. The Tribunal observed:-

"3. The Tribunal noted the concern arising from such large scale air pollution which grapples the country in spite of statutory mechanism under the Air Act, directions of the CPCB under section 18(1)(b), dated 29.12.2015 and directions of the Hon'ble Supreme Court for control of vehicular pollution<sup>11</sup>, industrial and construction sector pollution<sup>12</sup>, power sector pollution<sup>13</sup> and agricultural sector pollution<sup>14</sup> and orders of this Tribunal dealing with the said issues<sup>15</sup>. The Tribunal also referred to a Comprehensive Action Plan (CAP) for air pollution control for NCR prepared in pursuance of order of the Hon'ble Supreme Court dated 06.2.2017 by

<sup>8</sup> 2019 SCC online 8C 322, Para 43-47

<sup>9</sup> AIR 2020 (SC) 3471, Para 75

<sup>10</sup> (2019) 15 SCC 401

<sup>11</sup> Rural Litigation and Entitlement Kendra, Dehradun and Others Vs State of U.P. Others (1985) 2 SCC 431, M.C. Mehta v. Union of India (2001) 3 SCC 756, M.C. Mehta v. Union of India (1998) 6 SCC 63, M.C. Mehta v. Union of India (2002) 4 SCC 356, M.C. Mehta v. Union of India (1998) 6 SCC 60

<sup>12</sup> M.C. Mehta v. Union of India (1997) 2 SCC 353, M.C. Mehta v. Union of India and Shriram Foods and Fertilizer Industries and Anr. (1986) 2 SCC 176, Rural Litigation and Entitlement Kendra, Dehradun v. State of U.P. (1985) 2SCC 431, Mohd. Hareem Ansari v. District Collector (2004) 1 SCC 491, Union of India v. Union Carbide Co. (1989) 1 SCC 674, M.C. Mehta v. Union of India (1992) 3 SCC 256, Sterlite Industries (India) Ltd. etc. v. Union of India & Ors. (2013) 4SCC 575, M.C. Mehta v. Union of India (2004) 6 SCC 588, M.C. Mehta v. Kamal Nath (2000) 6 SCC 213

<sup>13</sup> Consumer Education and Research Centre v. Union of India (1995) 3 SCC 42, Dahanu Taluka Environment Protection group and Ors. v. Bombay Suburban Electricity Supply Company Ltd. and Ors (1991) 2SCC 539

<sup>14</sup> Arjun Gopal and Ors v. Union of India and Ors (2017) 16 SCC 280, Dr. B.L. Wadhara v. Union of India and Ors (1996) 2 SCC 594

<sup>15</sup> Vardhman Kaushik v. Union of India and Ors. O.A no. 21 of 2014, Vikrant Kumar Tongad v. Environment Pollution (Prevention and Control) Authority and Ors, O.A No. 118 of 2013, Satish Kumar v. Union of India and Ors, O.A. No. 56 (Twe) OF 2013, Smt. Ganga Lalwani V. Union of India and Ors. O.A No. 451 of 2018

04/20

the Environment; Pollution (Prevention and Control) Authority (EPCA) in consultation with the CPCB and Delhi Pollution Control Committee (DPCC) on 05.04.2017<sup>16</sup> and Graded Response Action Plan (GRAP) notified by the MoEF&CC on 12.01.2017 stipulating specific steps for different levels of air quality such as **improvement in emission and fuel quality and other measures for vehicles, strategies to reduce vehicle numbers, non-motorised transport network, parking policy, traffic management, closure of polluting power plants and industries including brick kilns, control of generator sets, open burning, open eateries, road dust, construction dust, etc.**<sup>17</sup>

4. Implementation of prescribed norms in the light of legal provisions and court directions remains a challenge. The consequence is that India is being ranked high in terms of level of pollution compared to many other countries with enormous adverse impact on public health. Most victims are children, senior citizens and the poor.<sup>18</sup>

5. The GRAP categorises levels of pollution as severe plus, severe, very poor, moderate to poor. The action to be taken in such situations includes **stopping entry of trucks, stopping construction activities, odd and even scheme of private vehicles, shutting of schools, closing of brick kilns, stone crushers, hot mix plants, power plants, intensifying public transport services, mechanized cleaning of road, and sprinkling of water, stopping the use of diesel generator sets, enhancing parking fees, etc.**

6. The MoEF&CC has by various notifications put restrictions on activities in Coastal areas, Flood plains, Taj corridor Eco-sensitive zones, etc. in view of ecological sensitivity and impact of such activities on environment if such activities are carried out in unregulated areas. This needs to be extended to the NACs in view of impact on public health and environment to give effect to the 'Precautionary' and 'Sustainable Development' principles."

7 to 13...xxx.....xxxx.....xxx

14. According to the CPCB, draft framework has been prepared and SA study completed in four States (for 05 cities). Study was under progress in 14 States (for 54 cities), and at proposal stage in 10 States (for 37 cities). Methodology for carrying capacity has been shared with

<sup>16</sup> Report No.71, EPCA-R/2-17/L-21, Comprehensive Action Plan for air pollution control with the objective to meet ambient air quality standards in the National Capital Territory of Delhi and National Capital Region, including states of Haryana, Rajasthan and Uttar Pradesh.

<sup>17</sup> S.O.118(E), Notification, Ministry of Environment, Forest and Climate Change

<sup>18</sup> <https://www.thehindu.com/sci-tech/energy-and-environment/india-ranks-177-out-of-180-in-sustainable-development-index/article22513015.ece>, <https://www.ndtv.com/delhi-news/delhi-air-pollution-has-caused-death-of-15-000-people-study-1832022>

*State PCBs/PCCs. Twelve (12) States/UTs have given the details of the carrying capacity and the remaining have yet to take necessary steps. CC/SA studies are pre requisite for meaningful planning to enforce environmental law. This pre-requisite should have been undertaken long ago. Air quality norms have been statutorily laid down under the Air (Prevention and Control of Pollution) Act, 1981 as well as the Environment (Protection) Act, 1986 and such norms are being flagrantly violated, which has been made by the Parliament a criminal offence. If the rule of law has to have meaning and guilty are to be punished, the policies of the State have to be based on scientific studies to contain polluting activities within the scope of Carrying Capacity."*

26. *Dealing with the issue of air pollution in manufacture of tiles at Morbi in Gujrat, vide order dated 6.3.2019 OA 20/17 Babubhai v GPCB, this Tribunal directed closure of industries operating with coal unless they shifted to natural gas. This was referred in the earlier order of this Tribunal in the present matter. It was further observed that while under the orders of the Hon'ble Supreme Court, GRAP was laid down providing for closing of specified activities on crossing of air quality norms as laid down in the GRAP, the same did not debar consideration of further situations requiring closure/regulation.*

27. *Thus, in view of report of the CPCB, at this stage it is not possible to vacate direction not to permit operation of brick kilns in NCR beyond the carrying capacity found by the CPCB. All applications of the brick kiln owners seeking rejection of CPCB report and vacation of interim order against operation of brick kilns, without air quality assimilative capacity permitting such activity will stand rejected subject to further exploring viable options, including change to clean fuel like natural gas. We are conscious that brick kilns may be necessary. Object of this order is not to stop any legitimate business activity but to enforce the right to breathe fresh air which is right to life. The source apportionment studies, placed on record, show that brick kilns contribute 5-7% PM. Air pollution Control devices to be installed by the polluting sources including the brick kilns need to comply not only the consent standards but are also the Ambient Air Quality norms and available assimilative capacity of the region. If the right to fresh air is not enforced, the consequences of brick kilns beyond carrying capacity of the air quality in the area are disastrous in terms of deaths and air borne diseases. This will be contrary to the mandate of the Constitution and the environmental law, particularly the principle of 'Sustainable Development'. It is well established that deteriorated ambient air quality in terms of PM<sub>10</sub> and PM<sub>2.5</sub> affects respiratory system particularly, the lungs*

04/22

*which may make individuals more vulnerable to get other related fatal diseases.<sup>19</sup>*

16. It is seen from above, that there was no carrying capacity in Mahendragarh District to sustain brick kilns. Thus, stone crushers can also not be allowed in absence of carrying capacity in terms of air quality to sustain operation of stone crushers. Precautionary principle has to be applied having regard to impact of air pollution on health. Right of citizens to breathe fresh air cannot be denied and right of operating stone crushers cannot get preference over and above right to life on specious plea that the stone crushers were set up as per siting parameters allowed by the State without study of impact of the carrying capacity. As already noted, the siting norms is only one of the issues and even if this issue is to be ignored for the time being, there has to be carrying capacity in terms of air quality.

17. Accordingly, we direct that the joint Committee with the addition of the CPCB to take further steps in terms of order of this Tribunal dated 24.07.2019, quoted earlier for compliance of environmental norms in the light of the carrying capacity of the area and the health impact of the operation of stone crushers on the inhabitants. The joint Committee may go by the order of the High Court and the State Government as far as siting criteria is concerned but close illegally polluting stone crushers in terms of all other environmental norms, including the air quality, illegal water extraction. The joint Committee may also study the health impact on the inhabitants and take remedial action. The State PCB will be the nodal agency for coordination and compliance. The statutory authorities taking coercive measures may ensure due process of law.

18. Let an action taken and status report in the matter be furnished before the next date by e-mail at [judicial-nak@gov.in](mailto:judicial-nak@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF."

7. In pursuance of above, action taken report dated 27.09.2021 has been filed by the State PCB on behalf of the joint Committee. The report mentions 18 clusters where these stone crushers were mainly operating. The health impact as per letter of the CMO dated 16.06.2021, showing 100% increase in diseases, is mentioned. The carrying capacity has been found to be in the negative due to existing high pollution load. It has been

<sup>19</sup> <https://telanganahighcourt.org/2020/08/13/the-link-between-air-pollution-and-covid-19/>  
<http://www.bhushahi.com/full-news.php?id=107487>

04/23

recommended that new stone crushing units and non-compliant units may not be allowed. The remaining may be allowed subject to safeguards such as water sprinkling, covering of the conveyor belt to minimize dust generation, paving of the roads to minimize pollution during transportation and undertaking regular health survey. The report also mentions need for further study to ascertain the number and capacity of stone crushers which could be allowed in the light of ambient air quality and also source apportionment study. The operative part of the report is reproduced below:

**"A. Status of Stone Crushing Units**

- (i) A report mentioning the consent and operating status of the stone crushing units in the District Mahendergarh was filed before the Hon'ble NGT, vide dated 23.07.2019.
- (ii) The status of the stone crushing units has further been modified as on date (at the time of reporting), wherein the consent to establish and consent to operate were revoked by the Board and the same is enclosed. **(Annexure- I).**
- (iii) The stone crushing units which were found using ground water without obtaining requisite permission from Central Ground Water Authority (CGWA) have also issued Show Cause Notice for imposing Environmental Compensation **(Annexure- II).**
- (iv) The stone crushing units are mainly operating in different clusters and the detail of the same is given below:

**Table- I**

Tehsil	Name of the Clusters/ Villages	No. of Stone Crushing Units
Mahendergarh (34)	Village Garhi	21
	Village Zerpur	13
Narnaul (21)	Village Kuitajpur	6
	Village Lutajpur	9
	Village Faizabad	1
	Village Mandiana	1
	Village Raghunathpura	1
	Village Karota	3
Nangal Chaudhary (107)	Village Gangutana	19
	Village Bakhrija	17

04/19

	Village Begapur	24
	Village Dholera	15
	Village Jainpur	12
	Village KhatoliAhr	13
	Village Berundia	3
	Village Panchnota	2
	Village KhatoliJat	1
	Village Bayal	1

- (v) It is also placed on record by the Committee that out of 162 Nos. stone crushing units, the HSPCB has monitored 48 Nos. stone crushers for verification of the compliance prior to order Hon'ble NGT order dated 03.12.2020 and status of the same is also enclosed (**Annexure- III**). Out of 48 Nos. units it is submitted that only 05 Nos. found non-compliant in regards to installation of non-adequate air pollution control devices and with the prescribed emission standards. The detail is attached with Annexure- III.
- (vi) HSPCB has established 02 Nos. Ambient air Quality Monitoring Stations (Manual) at Nangal Chaudhary and Mahendargarh. The monitoring of PM 2.5 and PM 10 is undertaken as per the guidelines prescribed by CPCB. The Ambient Air monitoring network was commissioned from February, 2020, however sufficient data could not be gathered for its analysis due to pandemic.

#### **B. Health Impact on the inhabitants**

- (i) The concerned CMO vide letter No. PH/2021/72 dated 16.06.2021 has forwarded Air Borne Disease Report, District Mahendargarh for the period 2011 to 2020 (**Annexure- IV**).
- (ii) The report suggests that the number of cases were 21329 in the year of 2011 which has increase to 42309 in the year of 2019, an increase of 100 % cases in the span of 8 to 9 years.
- (iii) The report however has not indicated the cause of air borne Disease as neither has identified any specific reason of increasing the air borne disease.

#### **C. Assessment of Carrying Capacity**

- (i) This refers to the Table 1, mentioned at Para No. A (iv) and which identifies the three clusters of stone crushing units in the District Mahendargarh. The minimum distance between two clusters is found approx. 5 km and the maximum distance is approx. 40 km.
- (ii) The maximum stone crushing units are operating in the Tehsil of Nangal Chaudhary and considered to be within the area of

04/25

15 Sq. km. Further, the maximum number of stone crushing units operating in Villages Bakhrja (17), Begopur (24) and Dholera (15) and therefore becomes the prominent source of air pollution.

- (ii) The data of ambient air quality for assessment of carrying capacity are gathered as follows:

Table- II (Stone Crusher Operational)

Pre-Monsoon			
Particulars	Tehsil-Nangal Choudhary	Tehsil-Narnaul	Tehsil-Mahendergarh
Study Area (km <sup>2</sup> )	225	49	225
Mixing height (km)	0.6362	0.6362	0.6344
Volume of air in the study area (km <sup>3</sup> )	143	31	143
PM10 (µg/m <sup>3</sup> )	669	298	Monitoring not undertaken due to non-operation of Stone crushing units
Total Estimated load of particulate matter in ambient air in the study area during study period	95667	9238	
Assimilative Carrying Capacity (kg)	14300	3100	
Supportive Carrying Capacity (kg)	-81367	-6138	

Table- III (Stone Crusher Operational)

Post-Monsoon			
Particulars	Tehsil-Nangal Choudhary	Tehsil-Narnaul	Tehsil-Mahendergarh
Study Area (km <sup>2</sup> )	225	49	225
Mixing height (km)	0.4483	0.4483	0.4483
Volume of air in the study area (km <sup>3</sup> )	101	22	101
PM10 (µg/m <sup>3</sup> )	427	273	299
Total Estimated load of particulate matter in ambient air in the study area during study	43127	6006	30199
Assimilative Carrying Capacity	10100	2200	10100
Supportive Carrying Capacity (kg)	-33027	-3806	-20099

Table- IV (Stone Crusher Non-Operational)

Pre-Monsoon			
Particulars	Tehsil-Nangal Choudhary	Tehsil-Narnaul	Tehsil-Mahendergarh
Study Area (km <sup>2</sup> )	225	49	225
Mixing height (km)	0.555	0.555	0.6344
Volume of air in the study area	125	27	143
PM10 (µg/m <sup>3</sup> )	499	241	493

04/26

Total Estimated load of particulate matter in ambient air in the study area	62375	6507	70499
Assimilative Carrying Capacity	12500	2700	14300
Supportive Carrying Capacity	-49875	-3807	-56199

Table- V (Stone Crusher Non-Operational)

Particulars	Post-Monsoon		
	Tehsil-Nangal Choudhary	Tehsil-Narnaul	Tehsil-Mahendergarh
Study Area (km <sup>2</sup> )	225	49	225
Mixing height (km)	0.463	0.463	0.463
Volume of air in the study area	104	23	104
PM10 ( $\mu\text{g}/\text{m}^3$ )	380	220	411
Total Estimated load of particulate matter in ambient air in the study area during	39520	5060	42744
Assimilative Carrying Capacity	10400	2300	10400
Supportive Carrying Capacity	-29120	-2760	-32344

Note:- As there is no Sound Detection and Ranging (SODAR) station in district Mahendergarh, so atmospheric mixing height of Delhi (i.e. SODAR station located at CPCB, East Arjun Nagar, New Delhi) is considered for calculation.

(iv) The above data have been prepared basis on the Ambient Air Quality Monitored by HSPCB on 18 locations on dated 05.03.2021 to 08.03.2021 (Pre-Monsoon) and 24.08.2021 to 27.08.2021 (Post-Monsoon) covering the cluster, the village phirni and distance from the stone crushing units. The data reveal that the supporting carrying capacity in all the Tehsils of District Mahendergarh found to be negative. This implies that the total pollution generation due to industrial and domestic activities including transportation (auto emission and road dust etc.) is over the assimilative carrying capacity of the study region.

#### Recommendation

The following recommendations are made considering the status of stone crushing units and assessment of carrying capacity.

- No new stone crushing units of any capacity shall further be allowed to establish & operate in the region including any expansion of the existing units.
- The stone crushing units which were reported not confirming to the notified siting criteria shall remain close and be shifted as per the Notification dated 11.05.2016 and amended 04.04.2019.
- The stone crushing units shall provide water sprinkling system and cover the conveyer the belt to ensure minimum dust generation from their operation for further improvement of air quality. It is also recommended that the units shall provide telescoping chute at the level of loading/un-loading of the finished crushed material to avoid any suspension of the same.



- d. *The stone crushing unit may provide concrete/pacca road to assess the crushing and transport area and provide adequate water sprinkling arrangement so as to minimise the dust formation.*
- e. *The Department of Health shall undertake regular survey of the workers and nearby inhabitants to ascertain the impact on inhabitants especially due to operation of stone crushing units besides other air polluting activities.  
A detailed study needs to be undertaken for ascertaining the number and capacity of stone crushing units that can be allowed to operate so as to bring the ambient air quality of the region within the notified standard. A source apportionment study may suffice the need."*

8. The above report is in first two matter jointly and there is a similar report in O.A No. 599/2019 separately.

9. We have heard learned counsel for the applicant, learned counsel representing one of the stone crushers and learned counsel for the State of Haryana.

10. On behalf of one of the stone crushers - Shree Vinayak Stone crusher, our attention has been drawn to order of the Punjab and Haryana High Court dated 12.07.2021 in CWP-10337-2021 (O&M) wherein challenge inter alia was to an order of the State PVB declining consent to operate and order of the Hon'ble Supreme Court dated 02.08.2021 in *Special Leave to Appeal (c) Nos. 11052/2021* filed against the said order of the High Court. Learned Counsel submitted that he is not representing the parties to the said proceedings but was bringing the same to the notice of this Tribunal only for information. The operative part of the order of the High Court and the text of the order of the Hon'ble Supreme Court are reproduced below:

*"Having heard learned counsel for the parties, it is observed that as far as the factual issue raised by the petitioners whether the petitioners/stone-crushers are within 1 km of the village phirmi or beyond, the same is required to be taken up by the petitioners before*

04/28

the concerned authority i.e. either the appellate authority or the National Green Tribunal. It is also observed that the petitioners had accepted the notification on 11.05.2016 since its very inception for the stone crusher of the petitioner unit is situated beyond the prohibited limit of 1 km as prescribed thereunder and above all three reports in that regard were submitted by the revenue authorities. Therefore, their grievance that arises today is only on account of the subsequent report dated 23.07.2019 vide which the petitioners/stone-crushers are allowed to be situated within the prohibited limit of 1 km.

*In the circumstances, we are of the considered opinion that the factual issues raised in respect of the distance at which the stone crushers are situated; the carrying capacity are all required to be taken up and dealt with either by the appellate authority or the National Green Tribunal, and therefore this Court is not required to examine these aspects, at this stage. As the competent authority is already looking into the aforesaid aspects, the petitioners would be at liberty to take all objections in that regard before the authority concerned.*

*As far as the challenge to the notification dated 11.05.2016 is concerned, we are of the considered opinion that in view of the orders passed by this Court in similar matters, we do not propose to entertain the same.*

*In the circumstances, the petition filed by the petitioners is disposed of granting liberty to the petitioners to take up all the issues in respect of the factual aspects regarding the distance at which the petitioners/stone crushers are situated as well as the carrying capacity before the appellate authority or the National Green Tribunal. It is also observed that in view of the fact that a Co-ordinate Bench had granted stay in the matter on 11.06.2021, which is continuing till date, therefore, it is ordered that the said interim order dated 11.06.2021 shall continue for a further period of four weeks."*

**Text of the order of the Hon'ble Supreme Court:**

*"Issue notice.*

*Counter Affidavit be filed within two weeks.*

*Rejoinder Affidavit, if any, be filed within one week thereafter.*

*List after three weeks.*

*In the meantime; there shall be stay of operation and implementation of the impugned Judgment."*

11. In view of above orders, by way of precaution, we have first asked learned Counsel to assist on the question whether this Tribunal can and

04/25

ought to continue with the consideration of the matter. Learned counsel for applicant submitted that in view of order dated 02.11.2020 by which the Hon'ble Supreme Court directed the Tribunal to dispose of the matter leaving it open to the parties to argue the matter before this Tribunal, the Tribunal is required to proceed with the matter. Later order dated 02.08.2021, which stays the operation of judgement of the Punjab and Haryana High Court, dismissing Writ Petition against refusal to give consent to a particular stone crusher, does not operate as bar to consideration of the matter by this Tribunal on the issue of regulating the stone crushers operating beyond carrying capacity of the environment without requisite safeguards.

12. In view of above, we proceed to consider the matter, obviously subject to any order of the Hon'ble Supreme Court. We have heard learned Counsel and perused the report of the joint Committee dated 27.9. 2021. At the close of hearing on 26.10.2021, we also gave opportunity to file any written submissions/documents on or before 8.11.2021.

13. On behalf of some of the affected units undertaking mineral grinding or stone crushing, including the Association of Crushers Owners and Employees, three separate written submissions have been filed on 08.11.2021. Two sets of written submissions in OA No. 667/2018 are by the stone crushers and are identical. Written submissions by mineral grinding units in OA No. 599/2019 are also in substance similar except that such minerals are smaller in size than stones. The submissions are based on the opinion of a retired Director of MoEF&CC consulted by the industry. The objections relate to methodology of working out the carrying capacity. We have duly considered the said submissions and do not find any substance therein. The opinion states that mixing height data of Delhi

has been taken which is 120 kms away from Mahendragarh. The carrying capacity has been assessed on the data of March and August at different locations. Stone crushers are not the only contributors to air pollution. We find that data of Mahendragarh has been separately taken. The opinion relied upon does not show any other data for Mahendragarh to establish that there is carrying capacity. Apart from criticizing the report, if the consultant is of the opinion that there is carrying capacity, the same should be shown with the support of the data compiled, if any, otherwise the opinion is without any tangible basis. As regards the submission of the mining grinding industries, only objection is that size of the minerals grinded is smaller than the stones. This objection has no substance in view of data of air pollution in the concerned area. Smallness of size of the mineral does not by itself rule out air pollution. As regards fulfilment of norms by individual units, the same cannot be seen in isolation, unless it can be shown that no addition is made to the existing excessive pollution load. Stand of the State PCB does not show assimilative air capacity of the area to sustain further contribution of pollution by the mineral grinding units. In any case whether mineral grinding units do not cause any pollution can be directed to be specifically looked into. Further, the PPs have not indicated source of water in absence of which the objection that water is being illegally extracted in the dark zone cannot be brushed aside.

14. While dealing with the identical matter for the adjoining District of Haryana, this Tribunal vide order dated 26.10.2021 in O.A. No. 607/2018, *Vinod Kumar Jangra v. State of Haryana & Ors.* observed:-

\*1 to 7...xxx.....xxx.....xxx

8. We have considered the report dated 27.09.2021 in pursuance of order dated 02.02.2021. The report does not mention status of compliance of directions in para 7 of the said order requiring stopping of polluting activities beyond carrying capacity and also requiring that

only such activity may be allowed which the environment can sustain irrespective of date of setting up of the stone crushers. Needless to say that mere compliance by individual stone crusher is not enough if the environment does not have capacity to sustain the polluting activity in question on account of pre-existing pollution load. In such situation, stone crushers can be allowed only if they do not contribute further to the pollution load by taking such mitigation measures, as viable. Standard laid down for an individual units are subject to assimilative capacity of the environment to sustain additional air pollution load as laid down by this Tribunal vide order dated 17.02.2021 in O.A. No. 1016/2019, *Utkarsh Panwar v. CPCB & Ors.*, dealing with the issue of prohibiting/regulating brick kilns in NCR, having regard to the absence of carrying capacity of the environment. Contrary to that, report merely mentions that no new stone crushers have been allowed. Action taken against stone crushers beyond carrying capacity which environment cannot sustain, has not been mentioned. Further, legality of measurement of raw material for the stone crushers needs to be ascertained and remedial action taken. The Committee being constituted may look into the aspect. Thus, in view of absence of carrying capacity and unsustainability of the stone crushers prima-facie the stone crushers may be liable to be closed to the extent the same are not sustainable. The list of operating stone crushers also mentions District Bhivani at many places, apart from Charkhi Dadri, which was initially the subject matter of consideration. Thus, the said District will also, to the extent necessary, have to be covered by the remedial action. The report dated 31.01.2021 relates to the study period of 250 days from 04.03.2020 to 08.11.2020. The relevant table has been quoted earlier and is reproduced below for ready reference:-

"The carrying capacity assessment of ambient air environment, of District Charkhi Dadri as estimated by the Joint Committee based on the available data of Continuous Ambient Air Quality Monitoring Station (CAAQMS) located in the district, for time period of 250 days i.e. 04.03.2020 to 08.11.2020 for the predominant air quality parameter i.e.  $PM_{10}$ , is as follows:

Particulars	Values	Summer Season	Monsoon Season	Post Monsoon Season
Area of District ( $km^2$ )	1370	1370	1370	1370
Mixing height (km)	0.691	0.745	0.672	0.643
Volume of air in the district	946	1021	921	892
$PM_{10}$ ( $ng/m^3$ )	265	246	177	409
Total Estimated load of particulate matter in ambient air in the district in	250815	251508	162671	360369
Assimilative Carrying Capacity (kg)	94647	102073	92112	88153
Supportive Carrying Capacity (kg)	-156168	-149435	-70558	-272216

9. It is well known fact that from the period from November to February, which has not been taken into account, the air quality is certainly inferior to the rest of the year. In view of negative carrying capacity, only those stone crushers can be permitted which do not add to the pollution load by adopting appropriate technology or methodology enabling functioning without deterioration to the air quality, during the operation of the stone crushers or during the transportation of raw material and finished product.

10. Number of stone crushers to be permitted may have to be suitably reduced to maintain adequate distance inter-se, as per formula suggested in above report of the Expert Committee which is reproduced below:-

(ii) Considering the stone dust settlement behaviour, the inter-se distance between two stone crushing units may be kept as:

$$d = (h_1 \cdot N_1 + h_2 \cdot P_2) / 100$$

Where, d = inter-se distance between two stone crushing units (in meter)

$h_1$  &  $h_2$  = height of highest nodes for unit 1 & 2, respectively (in meter)

$P_1$  &  $P_2$  = production capacity for unit 1 & 2, respectively (in MTD)

11. There is also need to implement the recommendations in the report of the Expert of the Committee dated 31.01.2021. Further solution to be considered for permitting operation of stone crushers can be development of a green belt around the periphery of the area where stone crushers are located of the width ranging from 25 meters to 50 meters, wherever viable. Any other pockets of land available may also be considered for afforestation within the crushing zone to improve the micro climate. The District Administration may also undertake paving the roads in and around the crushing area in additional water sprinkling on regular basis in the interest of public health of the citizens affected by the air pollution generated in the process."

15. In view of above the report and showing negative carrying capacity not only non-complying but also other polluting units may have to be closed unless it is ensured that there are adequate safeguards enabling operation of stone crushers without adding to the pollution load. In respect of units grinding minerals other than stones, same approach has to be adopted if they add to the existing pollution load. Safeguards can be maintaining distance from habitation and educational/health care institutions, inter se distance, limiting the number to sustainable level,

04/33

afforestation/development of a green belt around the periphery of the area upto 25 meters from location of stone crushers and in any pockets of land available nearby to improve the micro climate and to act as barrier against air pollution. The District Administration may also undertake paving the roads in and around the crushing area in additional water sprinkling on regular basis in the interest of public health of the citizens affected by the air pollution generated in the process.

16. Let a six-member joint Committee of CPCB, State PCB, District Magistrate, Mahendragarh, jurisdictional Conservator of Forest, nominee of IIT Delhi with expertise on the subject of air pollution and a Pulmonologist, nominated by DG Health, Haryana meet within two weeks and ponder over the issue. The CPCB and the State PCB will be nodal agency for coordination and compliance. They may interact with the stake holders, including the representatives of the stone crushers, who may be informed about proceedings before this Tribunal by the State PCB, in coordination with any other concerned authorities, in an appropriate manner by e-mail or otherwise. Any expenses to be incurred will be borne by the State PCB, subject to further orders. The District Magistrate may provide logistics for execution of the order. The Committee may give a report about the number of stone crushers and mineral grinding units which can be allowed and subject to what conditions, having regard to air pollution load and adverse impact on public health. The report may be furnished within three months by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF which may also be uploaded on the website of the State PCB for information of all the affected stone crushers who will be at liberty to file their comments, if any, to the report before this Tribunal within 15 days of uploading of the report.

04/34

List for further consideration on 07.04.2022.

A copy of this order be forwarded to the CPCB, State PCB, District Magistrate, Mahindragarh, Conservator of Forest through the State PCB, IIT Delhi and DG Health, Haryana by e-mail.

Adarsh Kumar Goel, CP

Sudhir Agarwal, JM

Brijesh Sethi, JM

Dr. Nagin Nanda, EM

November 15, 2021  
Original Application No. 667/2018 and connected matters.  
AB



Annexure - II

**DEVELOPMENT OF EMISSION INVENTORY FOR EIGHTEEN VILLAGES OF  
MAHENDRAGARH DISTRICT IN HARYANA**

by

**Dr. Sri Harsha Kota**

Department of Civil Engineering, IIT Delhi

**Introduction:**

Air pollution is a matter of serious concern for developed, developing and underdeveloped nations as it is a local as well as a global issue. Air pollution can be described as contamination of the atmosphere by gaseous, liquid, or solid wastes or by-products which endanger human health and welfare of plants and animals, attack materials, reduce visibility or produce undesirable odours. The most important components of emissions to air include carbon dioxide, carbon monoxide, sulphur oxides ( $\text{SO}_x$ ), methane, non-methane volatile organic compounds and nitrogen oxides ( $\text{NO}_x$ ), Particulate matter (PM), ions and heavy metals associated with PM. While some pollutants are released by natural sources like volcanoes, coniferous forests, and hot springs, most of them are emitted by the burning of fossil fuels, industrial sources, power and heat generation, waste disposal and the operation of internal combustion engines, etc. The increased air pollution levels can be mainly attributed to rapid industrialization and urbanization. Most cities in the country are facing the problem of air pollution. Indian cities have experienced a phenomenal increase in population, industry, and vehicles. Given the current rapid rate of economic development of India, the further degradation of air quality is likely to occur in future and hence preventive measures become imperative. It becomes extremely necessary to make use of scientific tools available for decision making. Air pollutant emission inventory (EI) and air quality modelling are some of these tools. Emission Inventory provides the fundamental knowledge for understanding local and regional air pollution, its transport, and impacts. Emission Inventory is a structured collection of information about emissions of pollutants in a specified area. Emission inventories with highly resolved temporal and spatial information are urgently needed to combat the increasing urban and regional air pollution. An exhaustive and quality emission inventory should be able to provide a reliable estimate of total emissions of different pollutants, their spatial and temporal distribution, identification, and characterization of main sources and tracking progress towards air pollution

control. In addition, emission inventory can be used for air quality modelling for developing air pollution control strategies for attaining air quality standards. Policymakers and researchers face challenges in forming effective air quality management strategies in absence of a structured emission inventory. This information on emission inventory is an essential input to air quality models for developing strategies and policies. The goal of emission inventory development is to identify and achieve emission patterns for deriving pollution control policies.

#### **Need for the study:**

Air pollution in the Indo Gangetic plains is one of the biggest challenges that require immediate attention. Mahendragarh district in Haryana has been an area of concern and is facing high concentrations of particulates. The area also has many stone crushers that have been a cause of concern. However, due to the lack of air quality monitoring stations in these regions, there is no available data of the pollutant concentrations in these regions. Also, high concentrations of particulates may cause serious health problems in the people living in this area. Thus, there is a need to develop an emission inventory for this area to understand the contributions of different sources to the PM<sub>10</sub> concentrations so that the necessary actions can be taken to ensure that the air quality standards prescribed by CPCB are met.

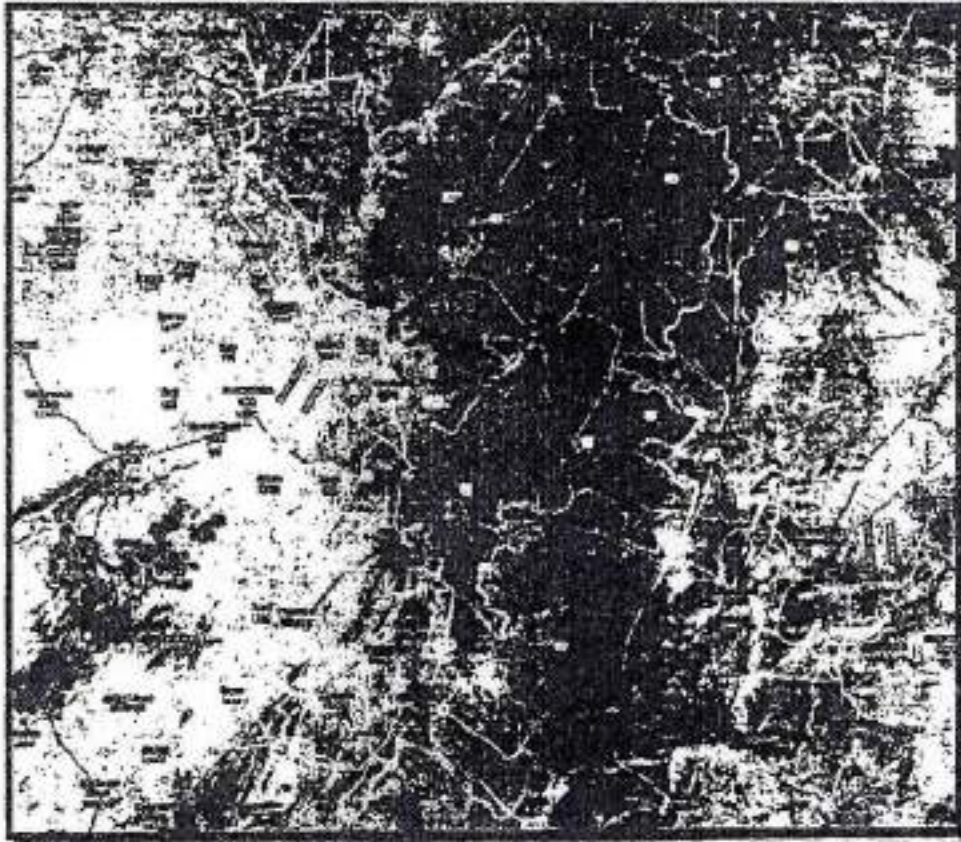


Figure 1. Map of Mahendragarh district

**Objectives of the study:**

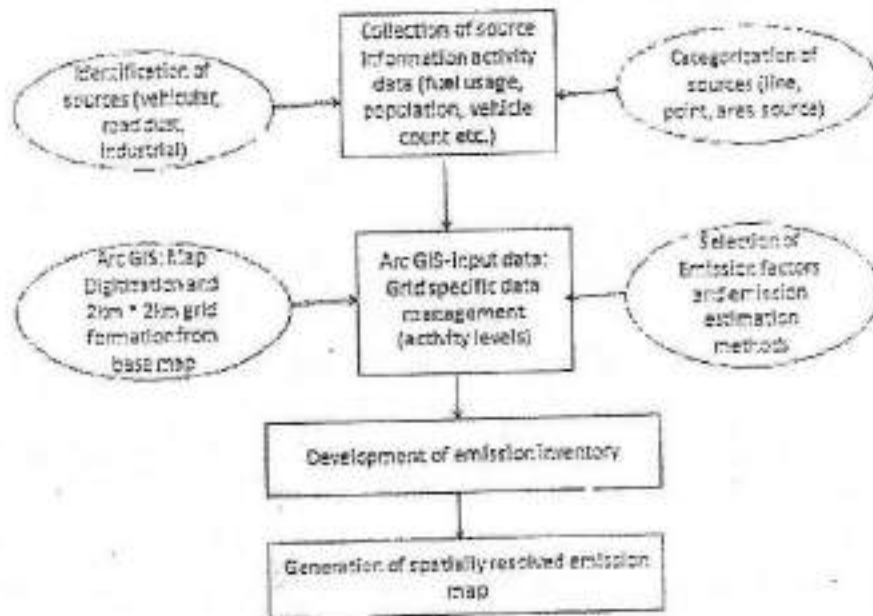
The main objective of the proposed project is to estimate the emissions of various sources such as vehicles, road dust, industry, stone crushers etc. to the total  $PM_{10}$  emissions in villages of Garhi, Zerpur, Kultajpur, Lutufpur, Faizabad, Mandlana, Raghunathpura, Karota, Gangutana, Bakhrija, Begopur, Dholera, Jainpur, Khatoli Ahir, Berundla, Panchnota, Khatoli Jat and Bayal in the Mahendragarh district. It is proposed to meet this main objective through the following sub-objectives:

- i. Preparation of an exhaustive emission inventory of  $PM_{10}$  from various sources for the selected villages in the Mahendragarh district of Haryana.
- ii. Preparation of action plans for these villages of Mahendragarh district.

**Methodology:**

The source activities for air pollution in this region can be broadly classified as transport (motor vehicles), commercial activities, industrial activities, domestic activities, and fugitive sources. Clusters of small and medium scale industries are significant contributors to the air pollution of which, stone crushers are one of the most prevailing sources of air pollution in this region. Diesel driven tractors are the dominant sources of transportation in the region.

In addition to industrial and automobile pollution, there are emissions from domestic cooking using fuels like wood, coal, biomass etc. Garbage burning may be a common practice and can be an important contributor to air pollution. The road condition may cause non-exhaust road dust emission in a significant amount as many roads in the Mahendragarh area are unpaved. An overall project methodology is presented in Figure 2.



**Figure 2. Overall Methodology for Emission Inventory**

ArcGIS will be used for the digitization of the emission inventory for this study because it is user friendly and is frequently used by the local authorities and research institutions for air pollution management. The topographical map, of cities, will be geo-coded as the base maps in the form of polygons for geo-referencing the other maps. The other maps (e.g., land use, road, and railway intersection) and ward boundary will be geo-referenced. Various thematic layers of gridded maps will be generated in GIS (e.g., road maps, population map).

Based on primary data from field surveys, major sources of air pollutants will be classified as:

- (1) Industries
- (2) Stone crushers
- (3) Mineral grinding
- (4) Vehicles
- (5) Domestic fuel burning,
- (6) Open burning (agricultural residue and garbage burning),
- (7) Hotel and restaurant fuel use,
- (8) Diesel generator (DG) sets
- (9) Road dust
- (10) Other sources (e.g., other fugitive sources).

The methodology can be divided into two phases:

**1. Phase 1:**

The primary and the secondary data including the field survey data will be provided to IIT Delhi by Haryana State Pollution Control Board (HSPCB). All the requisite survey forms for each source will be provided by IIT Delhi.

The following data is to be provided to IIT Delhi for this phase:

- Boundary maps of the selected villages in Mahendragarh district to be provided.
- Collection of activity data for industrial and domestic emissions including fugitive and non-point sources.
- Traffic survey at roads selected by IIT Delhi.
- Road dust sampling at roads selected by IIT Delhi.
- Secondary data such the meteorological data.

**2. Phase 2:**

Digitization of all the data and maps provided by HSPCB and preparation of gridded PM<sub>10</sub> emission inventory of the selected villages of Mahendragarh district will be carried out in this phase. The emission inventory developed in this phase of the project will help in estimating the contribution of different sources to the PM<sub>10</sub> of these areas.

**3. Phase 3:**

Using the developed emission inventory, action plans would be formulated to reduce the excess current pollution load, if any. Different scenarios used in these action plans include but are not limited to:

- i. Operating time and frequency of stone crushers to limit the impact on air quality.
- ii. Converting all the unpaved roads to paved roads.

**Project deliverables/Expected outcomes:**

- (i) An exhaustive emission inventory for the selected villages of Mahendragarh will be developed.

**Duration:**

The proposed duration is three months. Zero date of the project is the date on which funds are received from HSPCB.

**Timeline:**

S. No.	Description	Month 0	Month 1	Month 2
1.	Conducting surveys and data collection by HSPCB			
3.	Digitization of maps and data collected			
4.	Preparation of emission inventory			
7.	Final report submission			

*Note: The timeline starts from the zero date (date of receiving funds from HSPCB).*

**Budget:**

12 Lakhs INR (Exclusive of applicable GST)

## Haryana State Pollution Control Board

REGIONAL OFFICE, LALA NEMI CHAND SINGHAL ENCLAVE, SOHNA ROAD  
NEAR PUNJAB NATIONAL BANK, DHARUHERA

Tele Fax: 01274-244241

E-Mail: hspcbrodr@gmail.com

To,

The Chairman,  
Haryana State Pollution Control Board,  
Panchkula

Sub.- Revised sanction of Rs. 12 Lakhs for proposal submitted by Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi in the matter OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. & OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors.- reg in favour of IRD ACCOUNT IITD, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI - 110016.

Ref.- Head office sanction order of Rs. 12 Lakhs vide No. I/99859/2022 dated 05.03.2022.

In this connection, it is submitted that sanction of Rs. 12 Lakhs was received from Head Office in the name of Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi vide No. I/99859/2022 dated 05.03.2022 in regards to carry out preparation of an exhaustive emission inventory of PM10 from various sources in the District Mahendragarh. Dr. Sri Harsha Kota, Associate Professor, IIT, Delhi has provided the account details in the name of "IRD ACCOUNT IITD, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI." and vide this office letter No. 6 dated 06.04.2022 has requested the Head Office to deposit the fund in the accounts detail shared by Dr. Sri Harsha Kota- IRD ACCOUNT IITD, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI. Now telephonic message has been received from Sr. Account Officer, Panchkula that revised sanction in favour of IRD ACCOUNT IITD, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI is required to release the funds as already sanctioned.

Keeping in view of above, it is requested to kindly accord the revised sanction of Rs. 12 Lakhs in favour of IRD ACCOUNT IITD, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI and also requested that the amount may be deposited/released in the said account, so that action taken report in compliance of the Hon'ble NGT order dated 15.11.2021 in the matter of OA No. 667/2018 titled as Mahendra Singh Vs State of Haryana and Ors., & OA No. 679/2018 titled as Tejpal Vs State of Haryana and Ors. and OA No. 599/2019 titled as Bishamber Singh Vs State of Haryana and Ors. may be submitted to Hon'ble NGT within stipulated time period, accordingly.

- DAJ- 1. Copy of Head Office Sanction  
2. Copy of bank detail

Signed by Dinesh Yadav  
Date: 20-04-2022 13:57:25  
Reason: Approved

Regional Officer  
Dharuhera Region

**HARYANA STATE POLLUTION CONTROL BOARD**

**C-11 Sector-6, Panchkula**  
**Ph - 0172- 577870-73, Fax No. 2581201**  
**E-mail- hspcbhazardouswaste@gmail.com**  
**Website; hspcb.gov.in**

Office Order

Sanction is hereby accorded for Rs. 12 Lakhs (Twelve Lakhs only) (Exclusive of applicable GST) in favour of Dr. Sri Harsha Kota, Associate Professor, IIT Delhi regarding Study on Development Of Emission Inventory for Eighteen Villages of Mahendergarh District in Haryana in compliance of Hon'ble NGT order dated 15.11.2021 in the matter of OA no. 667/2018 titled as Mahender Singh Vs State of Haryana and others and OA no. 679/2018 titled as Tejpal Vs State of Haryana and others subject to all financial provisions and procedures, as applicable. The duration of the study will be 03 months and zero date of projects will be the date on which funds are received from Haryana State Pollution Control Board for the study.

Dated the Panchkula

P. Raghavendra Rao

04/03/2022

Chairman

Endst./HWM/2022/Dated:- 04/03/2022

1. The Regional officer, Dharuhera.
2. Sr. Accounts Officer, HSPCB.
3. Administrative Officer cum PS to Chairman, HSPCB.
4. PA to Member Secretary.

Signed by Naveen Gulia

Date: 05-03-2022 14:43:26

Reason: Approved  
Sr. Environmental Engineer(HQ)

For Chairman



1934242/2022/REGION DHAUHERA

04/43

1934242/2022/REGION DHAUHERA



भारतीय प्रौद्योगिकी संस्थान दिल्ली  
INDIAN INSTITUTE OF TECHNOLOGY DELHI  
डॉ. आर. कृष्ण, आई.टी.डी. - 110 016, हाउस खास, नई दिल्ली - 110 016  
अनुसंधान एवं शिक्षण एकक/Research & Development UNIT

R & D Establishment  
011-2659 1727 (Asst. Registrar)  
011-2659 1722 (Superintendent)  
011-2659 7155/7157/7157/7157  
Email : aridac@admin.iitd.ac.in

R & D Reception  
Tel : 011-2659 7154 (Ext.)  
011-2659 7157 (Accts.)  
Fax : 011-2659 4715

R & D Accounts  
011-2659 1758 (Asst. Registrar)  
011-2659 7545 (Supervisor-I)  
011-2659 7542 (Supervisor-II)  
Email : aridac@admin.iitd.ac.in

## INDIAN INSTITUTE OF TECHNOLOGY DELHI

## ELECTRONIC CLEARING SERVICE (CREDIT CLEARING) / REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENT

## \*A. DETAILS OF ACCOUNT HOLDER

NAME OF ACCOUNT HOLDER	IRD ACCOUNT LTD
COMPLETE CONTACT ADDRESS	IT CAMPUS, IRD UNIT, HAUZ KHAS, NEW DELHI - 110016
TELEPHONE NUMBER/FAX/EMAIL	011-26591758/26597157 E mail Id :- aridac@admin.iitd.ac.in

## \*B. BANK ACCOUNT DETAILS

BANK NAME	STATE BANK OF INDIA
BRANCH NAME WITH COMPLETE ADDRESS	INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI-110016
IFS CODE OF THE BRANCH	SBIN001077
MICR CODE	110002156
TYPE OF BANK ACCOUNT	SAVING
BANK ACCOUNT NO.	10773572600
SWIFT CODE	SBININBR547
CURRENCY IN WHICH THE ACCOUNT IS HELD	INDIAN RUPEES

IRD PAN No. AAAT10393L

I hereby declare that the particulars given above are correct and complete.

वैयक्तिक कृतवी / स.अ. मुद्रांकन  
सहायक नृशासिन (अकाउन्ट्स एण्ड बैंक)  
Assistant Registrar (Accounts-P&D)

Date: 12-02-2019

Signature of the Competent Authority, Indian Institute  
of Technology Delhi  
डॉ. आर. कृष्ण, आई.टी.डी. - 110 016, हाउस खास, नई दिल्ली - 110 016

Certified that the particulars furnished above are correct and signature of Authorized Signatory are verified as per our records



Date: 12/02/2019

Signature of the Competent Authority Official of the Bank (with Bank's Stamp)

1939031/2022/HWM B

09/44  
4

1934242(1)/2022/REGION DHARUHERA



भारतीय स्टेट बैंक  
State Bank Of India

(01077) IFS CODE : SBIN001077  
111, NEW DELHI INDIAN INSTITUTE OF TECHNOLOGY,  
HAZI KHAS, NEW DELHI - 110016

THE STATE BANK OF INDIA  
D D M M Y Y P P

PAY

भौ स जने डरित पर OR ORDER

रुपये RUPEES

₹

For R D ACCOUNT LTD

10773572600

Particulars  
(523600000)

AS/RO (A/S) ADDEAN (R & O)  
Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

1400021564 010782 31

HARYANA STATE POLLUTION CONTROL BOARD  
C-11, SECTOR-8, PANCHKULA  
Ph-0172-577870-73, Fax No. 2581201  
E-mail: hspcbhazardouswaste@gmail.com

HSPCB/HWM/2022/ Dated: 29/04/2022

Office Order

In continuation to this office order no. I/99859/2022 dated 05.03.2022, sanction was accorded for Rs. 12 Lakhs (Twelve Lakhs only) (Exclusive of applicable GST) in favour of Dr. Sri Harsha Kota, Associate Professor, IIT Delhi regarding "Study on Development Of Emission Inventory for Eighteen Villages of Mahendergarh District in Haryana" in compliance of Hon'ble NGT order dated 15.11.2021 in the matter of OA no. 667/2018 titled as Mahender Singh Vs State of Haryana and others and OA no. 679/2018 titled as Tejpal Vs State of Haryana and others.

Now, Regional officer, Dharuhara vide his letter dated 20.04.2022(copy enclosed) has submitted to accord revised sanction of Rs. 12 lakhs in favour of Indian Institute of Technology, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI instead of Dr. Sri Harsha Kota, Associate Professor, IIT Delhi. The duration of the study will be 03 months and zero date of projects will be the date on which funds are received from Haryana State Pollution Control Board for the study.

Therefore, sanction is hereby accorded for Rs. 12 lakhs in favour of Indian Institute of Technology, IIT CAMPUS, IRD UNIT, HAUZ KHAS, NEW DELHI. The account details are also attached herewith.

Dated the Panchkula                      P. Raghavendra Rao  
29/04/2022                                      Chairman

Endst./HWM/2022/Dated:- 29/04/2022

1. The Regional officer, Dharuhara.
2. Sr. Accounts Officer, HSPCB. He is requested to deposit the amount in account detail in the name of Indian Institute of Technology, IIT CAMPUS,IRD UNIT, HAUZ KHAS, NEW DELHI.
3. Administrative Officer cum PS to Chairman, HSPCB.
4. PA to Member Secretary.

Signed by Naveen Gulia  
Date: 29-04-2022 09:16:04  
Reason: Approved  
Sr. Environmental Engineer(HQ)  
For Chairman

# **AGENDA ITEM NO. 192.05**

**ADOPTION OF RETIREMENT  
GRATUITY AND DEATH GRATUITY  
SCHEME TO THE EMPLOYEES OF  
HARYANA STATE POLLUTION  
CONTROL BOARD COVERED BY NEW  
DEFINED CONTRIBUTORY PENSION  
SCHEME (KNOWN AS NPS)**

05/1

Agenda Item **No. 192.5**

Adoption of Retirement Gratuity and Death Gratuity scheme to the Employees of Haryana State Pollution Control Board covered by New Defined Contributory Pension Scheme (Known as NPS)

The Haryana State Pollution Control Board in its meeting held on 23.01.2009 adopted the 'New Defined Contributory Pension Scheme (NPS)' for its employees appointed on or after 01.01.2006, as notified by the Haryana Government Finance Department vide Notification No.1/1/2004-1 Pension dated 18<sup>th</sup> August, 2008 and circulated vide letter No.1/1/2004-1 Pension dated 22<sup>nd</sup> August, 2008 (Annexure-1). As per the clarification issued by the Government, vide letter No. 2/6/2010-1 Pension dated 24.4.2012, employees covered under New Pension Scheme were not eligible for benefits of Gratuity.

The Government of Haryana, Finance Department, vide Office Memorandum No. 2/6/2010-1 Pension dated 19<sup>th</sup> January, 2017 (Annexure-2) informed that after due consideration, it was decided that the Government employees covered by the "New Defined Contributory Pension Scheme (known as NPS) shall be eligible for benefit of Retirement Gratuity and Death Gratuity on the same terms and conditions, as are applicable to employees covered by CSR volume-II. These orders were made applicable to those Haryana Government Employees who joined Government service on or after 01.01.2006 and are covered by New Defined Contributory Pension Scheme (known as NPS) and will take effect from the same date i.e. 01.01.2006.

The Haryana State Pollution Control Board follows the instructions of the Haryana Government in all cases. Thus, the policy for grant of benefit of "Retirement Gratuity and Death Gratuity", on the same terms and conditions as are applicable to employees covered by CSR Volume-II by the Haryana Government, will be applicable to the employees of Haryana State Pollutions Control Board appointed on or after 01.01.2006.

The matter is placed before the BOD for approval please.

No. 1/1/2004-Pension

05/2

From

The Financial Commissioner & Principal Secretary  
To Govt. Haryana, Finance Department.

(Ajay Kumar)

To

1. All Heads of Departments, Commissioners of Divisions.
2. All Deputy Commissioners & Sub Divisional Officers (Civil) in Haryana.
3. The Registrar, Punjab & Haryana High Court, Chandigarh.

Dated, Chandigarh, the 22<sup>nd</sup> August, 2008.

**Subject:- Defined Contributory Pension Scheme of the State Government.**


Sir,

I am directed to invite your attention towards Finance Department letter No. 1/1/2004-Pension, dated 22-12-2005 on the subject noted above and to say that Government has now notified the Defined Contributory Pension Scheme for the employees appointed on or after 1-1-2006 vide Notification dated 18-8-2008. A copy of this Notification in Hindi & English is enclosed herewith. The Scheme will be applicable to the employees appointed on or after 1-1-2006.

2. You are requested to issue instructions to all your subordinate offices to get the FORM-F filled from all the employees covered under the New Pension Scheme. Thereafter Permanent Pension Account Numbers may be obtained from Accountant General (A&F) Haryana within one month (in the month of September, 2008) as provided under Para-20 of Notification. The recoveries towards New Pension Scheme may be started from the salary for the month of October, 2008. The arrears of subscription towards New Pension Scheme may be deducted/recovered as per procedure provided vide para-23 of the Notification.

3. You are requested to furnish necessary compliance report to the effect that recovery towards New Pension Scheme has been started in respect of all employees appointed on or after 1-1-2006 giving details of employees (Category-wise) and Permanent Pension Account Number allotted to each employee. This report may be sent to the Finance Department by 30-11-2008 positively.

Yours faithfully,

  
Under Secretary, Finance (Pension)  
for Financial Commissioner and Principal Secretary,  
to Government, Haryana, Finance Department.

A copy is forwarded to the Secretary, Council of Ministers, Haryana, for information with reference to his U.O. No. 9/163/2008-2Cabinet, dated 18<sup>th</sup> August, 2008.

*[Signature]*  
 Under Secretary, Finance (Pension)  
 for Financial Commissioner and Principal Secretary,  
 to Government, Haryana, Finance Department.

To  
 The Secretary,  
 Council of Ministers, Haryana.

U.O. No. 1/1/2004-1Pension      Dated, Chandigarh 22<sup>nd</sup> August, 2008.

- A copy is forwarded for information and necessary action to:-
1. All the Financial Commissioners and Principal Secretaries to Government, Haryana.
  2. All Administrative Secretaries to Government Haryana.

*[Signature]*  
 Under Secretary, Finance (Pension)  
 for Financial Commissioner and Principal Secretary,  
 to Government, Haryana, Finance Department.

To  
 1. All the Financial Commissioners and Principal Secretaries to Government, Haryana.  
 2. All Administrative Secretaries to Government Haryana.

U.O. No. 1/1/2004-1Pension      Dated, Chandigarh the 22<sup>nd</sup> August, 2008.  
 Endst. No. 1/1/2004-1Pension      Dated, Chandigarh 22<sup>nd</sup> August, 2008.

A copy alongwith 300 spare copies is forwarded to Accountant General (A&E) Haryana, Chandigarh for information and necessary action.

*[Signature]*  
 Under Secretary, Finance (Pension)  
 for Financial Commissioner and Principal Secretary,  
 to Government, Haryana, Finance Department.

Endst. No. 1/1/2004-1Pension      Dated, Chandigarh the 22<sup>nd</sup> August, 2008.

A copy alongwith 500 spare copies is forwarded to the Director, Treasury & Accounts, Haryana, Chandigarh with the request to circulate this Notification among all the Accounts Personnel and Presidents Pensioners Association at District level.

*[Signature]*  
 Under Secretary, Finance (Pension)  
 for Financial Commissioner and Principal Secretary,  
 to Government, Haryana, Finance Department.

Endst. No. 1/1/2004-1Pension      Dated, Chandigarh the 22<sup>nd</sup> August, 2008.

A copy is forwarded to the In-charge, Computer Cell, Finance Department for information and necessary action.

*[Signature]*  
 Under Secretary, Finance (Pension)  
 for Financial Commissioner and Principal Secretary,  
 to Government, Haryana, Finance Department.

HARYANA GOVERNMENT  
FINANCE DEPARTMENT

NOTIFICATION

The 18th August, 2008

**No. 1/1/2004-1Pension.**— In exercise of the powers conferred by the proviso to article 309 of the Constitution of India, the Governor of Haryana hereby makes the following New Pension Scheme regulating the pension of all Government servants joining service on or after January, 2006, namely:-

**New Pension Scheme**

1. The New Pension Scheme shall be called the Haryana New Pension Scheme, 2008.
2. The New Pension Scheme shall work on defined contribution basis and shall have two Tiers- viz. Tier-I and II. Contribution to Tier-I is mandatory for all Government servants joining Government service on or after 1st January, 2006.
3. In Tier-I, Government servant shall have to make a contribution of 10% of his basic pay + dearness pay and dearness allowance which shall be deducted from his salary bill every month by the Drawing and Disbursing Officer. A matching contribution shall be made by the State Government for each Government servant who contributes to the scheme.
4. Tier-II of the New Pension Scheme shall not be operational at present and no recoveries shall be made from the salaries of the Government servants on this account.
5. No deduction shall be made towards General Provident Fund contribution from the Government servants joining the service on or after 1<sup>st</sup> January, 2006, as the General Provident Fund Scheme is not applicable to them.
6. The account of New Pension Scheme shall not be mixed up with General Provident Fund account and their records/ledger account shall be independent of General Provident Funds accounts.
7. No withdrawal of any amount shall be allowed from the deposits under Tier-I.
8. Accountant General (Accounts and Entitlement) shall maintain the accounts for the Contributory Pension Scheme. Permanent Pension Account Number (PPAN) of the Government servants who join the Contributory Pension Scheme shall be allotted by Accountant General (Accounts and Entitlement) on receipt of applications from the Heads of the Departments/Heads of Offices in Form I.
9. Nomination shall be filled at the time of admission to the New Pension Scheme and shall be revised, immediately as and when required (e.g. getting marriage by subscriber) and thereafter once in every five years. Necessary entry to the effect of filling the nomination alongwith name of nominee(s) shall be noted in the Service Book of the Government servants concerned.



10. Recovery from pay bills of the Government servant shall be made only after obtaining Permanent Pension Account Number from the Accountant General (Accounts and Entitlement) Haryana.
11. Schedule of recovery (in pink colour compulsorily) shall be attached to the pay bill showing the contribution to New Pension Scheme which has been prescribed separately as per Form-II. Every Drawing and Disbursing Officer shall attach this Schedule with the pay bill.
12. Schedule of matching contribution shall also be prepared by Drawing and Disbursing Officer as per Form-III (in pink colour compulsorily) and attached with the pay bill.
13. The Government matching contribution in respect of Government servants shall be debited to the following head of account by the Accountant General (Accounts and Entitlement), Haryana by book adjustment :-

Major Head	:	2071-Pension and Other Retirement Benefits.
Sub Major Head	:	01- Civil.
Minor Head	:	117-Government Contribution for Defined Contribution Pension Scheme.
Sub Head	:	99-Defined Contributory Pension Scheme of Haryana.
Detail Head	:	99-Government Contribution to Defined Contribution Pension Scheme.
Object Head	:	10-Contributions.

14. The amount recovered from the pay bill and matching contribution shall be credited to the following Deposit Head of Account by the Accountant General (Accounts and Entitlement), Haryana in respect of Government servants:-
- K. Deposits and Advance.—
- (a) Deposits bearing interest :-

Major Head	:	8342-Other Deposits.
Sub Major Head	:	51- NA
Minor Head	:	117-Defined Contribution Pension Scheme for Government servants.
Sub Head	:	99-Defined Contributory Pension Scheme of Haryana.
Detail Head	:	99- Government servants Contribution Under Tier-I
Detail Head	:	98- Government's Contribution Under Tier-I.
Object Head	:	10-Contributions (Under Detail Head 99 and 98 as above).

15. The Accountant General (Accounts and Entitlement) Haryana shall supply a monthly statement (department wise) of the deposits under Head 8342- Other Deposits to the Financial Commissioner & Principal Secretary to Government Haryana, Finance Department (Pension).
16. The recovery Schedules attached to the pay bills by the Drawing and Disbursing Officers shall be sent to the Accountant General (Accounts and Entitlement) Haryana, Chandigarh through Treasury Officers every month.

10. Recovery from pay bills of the Government servant shall be made only after obtaining Permanent Pension Account Number from the Accountant General (Accounts and Entitlement) Haryana.
11. Schedule of recovery (in pink colour compulsorily) shall be attached to the pay bill showing the contribution to New Pension Scheme which has been prescribed separately as per Form-II. Every Drawing and Disbursing Officer shall attach this Schedule with the pay bill.
12. Schedule of matching contribution shall also be prepared by Drawing and Disbursing Officer as per Form-III (in pink colour compulsorily) and attached with the pay bill.
13. The Government matching contribution in respect of Government servants shall be debited to the following head of account by the Accountant General (Accounts and Entitlement), Haryana by book adjustment :-

Major Head	:	2071-Pension and Other Retirement Benefits.
Sub Major Head	:	01- Civil.
Minor Head	:	117-Government Contribution for Defined Contribution Pension Scheme.
Sub Head	:	99-Defined Contributory Pension Scheme of Haryana.
Detail Head	:	99-Government Contribution to Defined Contribution Pension Scheme.
Object Head	:	10-Contributions.

14. The amount recovered from the pay bill and matching contribution shall be credited to the following Deposit Head of Account by the Accountant General (Accounts and Entitlement), Haryana in respect of Government servants:-
- K. Deposits and Advance.--
- (a) Deposits bearing interest :-

Major Head	:	8342-Other Deposits.
Sub Major Head	:	51- NA
Minor Head	:	117-Defined Contribution Pension Scheme for Government servants.
Sub Head	:	99-Defined Contributory Pension Scheme of Haryana.
Detail Head	:	99- Government servants Contribution Under Tier-I
Detail Head	:	98- Government's Contribution Under Tier-I.
Object Head	:	10-Contributions (Under Detail Head 99 and 98 as above).

15. The Accountant General (Accounts and Entitlement) Haryana shall supply a monthly statement (department wise) of the deposits under Head 8342- Other Deposits to the Financial Commissioner & Principal Secretary to Government Haryana, Finance Department (Pension).
16. The recovery Schedules attached to the pay bills by the Drawing and Disbursing Officers shall be sent to the Accountant General (Accounts and Entitlement) Haryana, Chandigarh through Treasury Officers every month.

17. The reasons for non-recovery from a Government servant in any month shall, be furnished by the Drawing and Disbursing Officer concerned in the recovery Schedule without fail.
18. The Government contribution and the Government servant contribution shall be adjusted by the Accountant General every month by book adjustment and credited to Head of account 8342-51-117-99-99-10 and 8342-51-117-99-98-10.
19. Accountant General (Accounts and Entitlement) Haryana shall issue annual statement of the deposit for each individual account holder after allowing interest thereon at the rate decided by the State Government. The interest amount shall be debited to the following Head :-

Major Head	:	2049-Interest Payments.
Sub Major Head	:	03-Interest on Small Savings.
Minor Head	:	117-Interest on Defined Contribution Pension Scheme.
Sub Head	:	99-Interest on Defined contributory Pension Scheme.
Detail Head	:	99-Interest on Contributions Under Tier-I.
Object Head	:	25-Interest.

20. Heads of the Department/Heads of Offices shall get the Permanent Pension Account Number from the Accountant General (Accounts and Entitlement) Haryana for all the new Government servants who have already joined the Government service on or after 1st January, 2006 within a month from the date of issue of this notification. New Government servants who join service shall be admitted to this scheme compulsorily by the Heads of the Department/Heads of Offices by promptly applying for allotment of the Permanent Pension Account Number to the Accountant General (Accounts and Entitlement) within a month from the date of joining of the service.
21. The Permanent Pension Account Number allotted by the Accountant General (Accounts and Entitlement) for joining the New Pension Scheme shall be entered on the first page of Service Book with necessary attestation.
22. Recovery of contribution under Tier-I may be started from the pay bill of the Government servant immediately after obtaining Permanent Pension Account Number from Accountant General (Accounts and Entitlement) Haryana.
23. Arrears of subscription to the Contributory Pension Scheme from 1<sup>st</sup> January, 2006 to the month of allotment of Permanent Pension Account Number shall be deducted from the new Government servants who have already joined on or after 15<sup>th</sup> January, 2006, alongwith current month subscription i.e. one subscription for current month and one additional for subscription in arrears.
24. Correct name of Government servant and his Permanent Pension Account Number shall be mentioned in the recovery Schedule, by Drawing and Disbursing Officer.
25. Head of Department/Head of Office shall get reconciliation of recovery with Accountant General (Accounts and Entitlement) Haryana on half yearly basis.

05/8

**FORM-I**  
**(See para-8)**

(Details to be furnished by the Government servant for admission to the Haryana Government Contributory Pension Scheme) (To be furnished in duplicate)

PPAN	
------	--

[To be allotted by AG (Accounts and Entitlement) Haryana]

- I. Name of the Government Servant \_\_\_\_\_  
(In Block Letters)
- II Sex Male  Female
- III. Marital Status Married  Unmarried
- IV. Designation \_\_\_\_\_
- V. Name of Department \_\_\_\_\_
- VI. Date of first entry into service \_\_\_\_\_
- VII. Scale of Pay \_\_\_\_\_
- VIII. Basic pay \_\_\_\_\_
- IX. Date of Birth \_\_\_\_\_
- X. Date of superannuation \_\_\_\_\_
- XI. Nominee(s) for accumulations under the pension account:-

Sr. No.	Name of nominee	Age Date of Birth	Percentage of share payable	Relationship with the Government servant
1.				
2.				
3.				
4.				

XII. Remarks, if any.

Station:  
Date:

Signature of the Applicant.

05/9

Name and Address of two witnesses.

Countersignatures of D.D.O

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Certificate to be furnished by the Head of the Office:**

Certified that Shri/Smt. \_\_\_\_\_ is a regular Government servant appointed to pensionable service and is eligible to join the Haryana Government Contributory Pension Scheme.

Station:  
Date:

Signature of the Head of the Office  
with full address/Office seal.

**FORM-II**  
(See para -II)

05/10

CONTRIBUTORY PENSION SCHEME (GOVERNMENT SERVICE)  
PAY BILL SCHEDULE OF RECOVERY FOR THE MONTH OF \_\_\_\_\_ 200

District Treasury/Sub Treasury :	D.D.O. :
Treasury/Sub Treasury Code:	D.D.O. Code :
	Sub Account No. :

Head of Account:

K. Deposits and Advances-  
(a) Deposits bearing interest :-

Major Head	: 8342-Other Deposits.
Sub Major Head	: 51- NA.
Minor Head	: 117-Defined Contribution Pension Scheme for Government servants.
Sub Head	: 99-Defined Contributory Pension Scheme of Haryana.
Detail Head	: 99- Government servants Contribution Under Tier-I.
Detail Head	: 98- Government's Contribution Under Tier-I.
Object Head	: 10-Contributions (Under Detail Head 99 and 98 as above).

Sr. No.	Permanent Pension Account Number	Name and Designation	Plan Type*	Basic Pay+ Dearness Pay	Dearness Allowance	Total	Government Servants Contribution		
							Current	Arrears	
				Rs.	Rs.	Rs.	Rs.	Instalment No.	Amount (Rs.)
1	2	3	4	5	6	7	8		

\* Need not be filled up at present  
(Rupees only)

Certified that the basic pay entered in column 5 of the statement has been verified with entries in the Service Book and Pay Bill

SIGNATURE OF THE DRAWING AND DISBURSING OFFICER  
WITH DESIGNATION.

**INSTRUCTIONS**

- (1) During non-drawal of pay and allowances for any individual [NIL] particulars shall be shown in Column 5 to Column 8 but Column 1 to Column 8 shall be filled up without fail.

05/11

- 
- (2) In case of Transfer to or 'Transfer from' other Office, the facts may be mentioned for two consecutive months against the Government servant name.
- (3) PPAN and Name details shall be entered in the first page of the Service Book with necessary attestation.

HOW TO FILL UP CONTRIBUTION PENSION SCHEME SCHEDULE:-

1. Column (2) : PPAN shall be given correctly.
2. Column (3) : Initial and Naive shall be furnished as in the Service Book.
3. Column (5) and (6) : Basic Pay + D.P. and D.A. shall be furnished as per the Basic Pay + D.P. and D.A. drawn in the particular month.
4. Column (8) :
- (i) Government servants contribution has to be deducted from the supplementary bill also, (e.g.) arrears of pay, incremental arrears and D.A. Arrears consequent on D.A. revision.
  - (ii) Arrears of subscription when recovered in instalments, the instalment number shall be noted, (e.g.) 01/14, 02/14 etc.

05/12

**FORM-III**  
(See para -12)

Format of Schedule of Government's Contributions  
Towards Tier-I of the new pension scheme  
(To be attached with the bill for drawal of Government's Contribution)  
PAY BILL SCHEDULE OF RECOVERY FOR THE MONTH OF \_\_\_\_\_ 200

District Treasury/Sub Treasury :	D.D.O. :
Treasury/Sub Treasury Code:	D.D.O. Code :
	Sub Account No. :

Head of Account:

- K. Deposits and Advances-  
(a) Deposits bearing interest :-

Major Head	:	8342-Other Deposits.
Sub Major Head	:	51- NA.
Minor Head	:	117-Defined Contribution Pension Scheme for Government servants.
Sub Head	:	99-Defined Contributory Pension Scheme of Haryana.
Detail Head	:	98- Government's Contribution Under Tier-I.
Object Head	:	10-Contributions (Under Detail Head 99 and 98 as above).

Sr. No.	Permanent Pension Account Number	Name and Designation	Plan Type*	Basic Pay+ Dearness Pay	Dearness Allowance	Total	Government Contribution		
							Current	Arrears	
				Rs.	Rs.	Rs.	Rs.	Installment No.	Amount (Rs.)
1	2	3	4	5	6	7	8		

\*Need not be filled up at present  
(Rupees only)

SIGNATURE OF THE DRAWING AND DISBURSING OFFICER  
WITH DESIGNATION.

S.P. Sharma  
Financial Commissioner & Principal Secretary.

\*\*\*\*\*



05/13

**Government of Haryana  
Finance Department**

(Annexure 2)

No. 2/6/2010-1 Pension  
Dated Chandigarh, the 19<sup>th</sup> January, 2017

**Office Memorandum**

**Subject:** Extension of benefits of 'Retirement Gratuity and Death Gratuity' to the Haryana Government employees covered by New Defined Contributory Pension Scheme (known as NPS).

I am directed to say that the pension of the Government Servants appointed on or after 01.01.2006 is regulated by the New Defined Contributory Pension Scheme (known as NPS), notified by the State Government vide its letter No. 1/1/2004-1 Pension dated 04.12.2008. The clarification was issued vide letter No. 2/6/2010-1 Pension dated 24.04.2012 wherein it was clarified that the employees covered under New Pension Scheme are not eligible for benefits of gratuity.

A large number of representations have been received from the employee(s)/retiree(s) covered under New Pension Scheme for grant the benefit of 'Retirement Gratuity and Death Gratuity' on the pattern of Government of India to all the Haryana Government employees recruited on or after 01.01.2006.

After due consideration, it has now been decided that the Government employees covered by New Defined Contributory Pension Scheme (known as NPS) shall be eligible for benefit of 'Retirement Gratuity and Death Gratuity' on the same terms and conditions, as are applicable to employees covered by CSR Vol. II.

These order will be applicable to those Haryana Government employees who joined Government service on or after 01.01.2006 and are covered by New Defined Contributory Pension Scheme (known as NPS) and will take effect from the same date i.e., 01.01.2006.

The above order can be downloaded from the website of Finance Department i.e. [www.finhry.gov.in](http://www.finhry.gov.in).

*S. K. Singh*  
Deputy Secretary Finance (Pension)  
for Additional Chief Secretary to Government Haryana  
Finance Department.

**AGENDA ITEM NO. 192.06**

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

## Agenda Item 192.6

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

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

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

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

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

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

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

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

\*\*\*\*\*

## Annexure-I

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

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

06/02

Annexure-II

# **ANNUAL REPORT 2019-20**

**Haryana State Pollution Control Board**

**TABLE OF CONTENTS**

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

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

**Annual Report 2019-20**

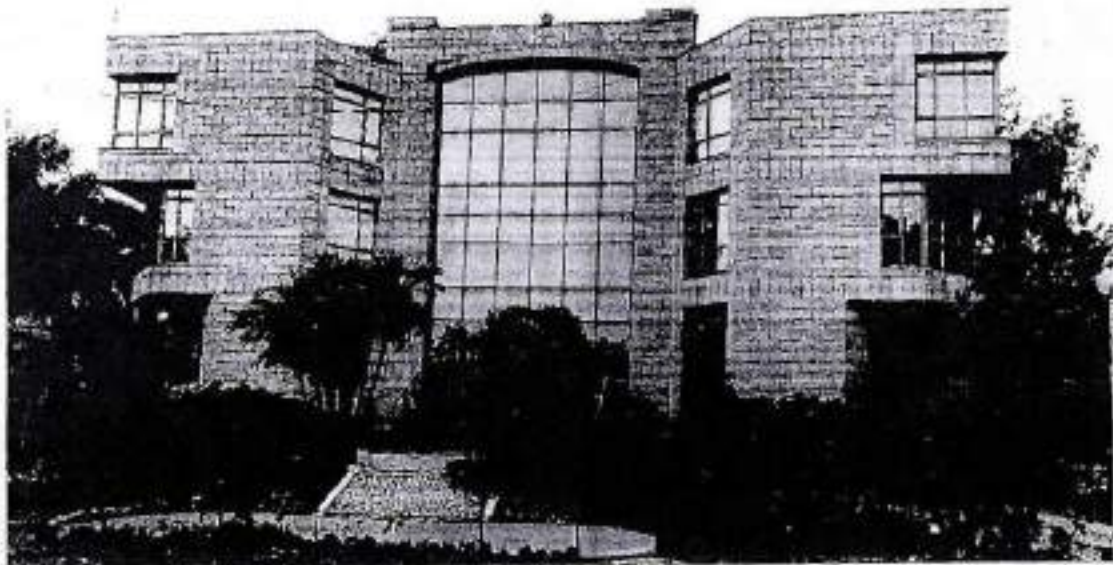
CHAPTER 18: RIGHT TO INFORMATION ACT, 2005 .....	94
18.1    General .....	95
18.2    Details of Applications received and disposed .....	95
CHAPTER 19: INCOME & EXPENDITURE STATEMENT.....	97
19.1    Detail of Actual Receipts for the Financial Year 2019-20 .....	98
19.2    Detail of Actual Receipts &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

## **CHAPTER 1: INTRODUCTION**



### **1.1 Haryana State Pollution Control Board (HSPCB)**

The Haryana State Pollution Control Board is a statutory authority entrusted with the duty to implement environmental laws and rules within the jurisdiction of the State of Haryana. The Board ensures proper implementation of the statutes, judicial and legislative pronouncements related to environmental protection within the State. Haryana State Pollution Control Board was constituted under Water (Prevention and Control of Pollution) Act, 1974 vide Notification No. 86/(4)(iv)74/33298 dated September 19, 1974 initially for prevention and control of water pollution and for maintaining or restoring wholesomeness of water.



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

- Consent management under the Water Act, 1974 & the Air Act, 1981, the Environment Protection Act, 1986 and rules framed there under.
- Online monitoring of ambient air quality in major cities of Haryana.
- Monitoring of water quality of rivers Yamuna, Ghaggar & other water bodies.

- Online monitoring of air emissions and effluent discharge from highly polluting Industries and Common Treatment and Disposal Facilities
- Implementation of Solid Waste Management, Bio Medical, Hazardous, E-waste, C&D & Plastic Waste Management Rules.
- Implementation of Aravali Notification dated 07.05.1992 issued by MoEF&CC, Govt. of India.
- Implementation of Environment Impact Assessment Notification 2006

HSPCB was also entrusted with additional responsibility of implementing the Water (Prevention and Control of Pollution) Cess Act, 1977 with a view of augmenting the resources of the State Pollution Control Boards but the same has now been abolished with the introduction of Goods and Services Tax Act, 2017. The State Pollution Control Board was also given additional responsibilities under the Air (Prevention and Control of Pollution) Act, 1981 to take appropriate steps for preservation of quality of air and control of air pollution.

The Board was subsequently given the responsibility of implementing the Environment (Protection) Act, 1986 and Rules and notifications issued there under.

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

1. The Water (Prevention and Control of Pollution) Act, 1974 and Rules made there under.
2. The Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made there under.
3. The Air (Prevention and Control of Pollution) Act, 1981 and Rules made there under.
4. The Environment (Protection) Act, 1986 and the following Rules and notifications made there under:
  - (i) The Hazardous Wastes (Management and Transboundary Movement) Rules, 2016

- (ii) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
- (iii) The Biomedical Waste (Management) Rules, 2016
- (iv) The Plastics Waste (Management) Rules, 2016
- (v) The Solid Waste (Management) Rules, 2016
- (vi) The E-waste (Management) Rules, 2016
- (vii) The Noise Pollution (Regulation and Control) Rules, 2000
- (viii) The Batteries (Management and Handling) Rules, 2001
- (ix) Environment Impact Assessment Notification 2006
- (x) Notification dated 14.09.1999 issued by MoEF&CC under EPA, 1986 regarding directions for Utilization of Fly Ash generated from coal or ignite based Thermal Power Plants
- (xi) Notification dated 07.05.1992 issued by MoEF&CC under EPA, 1986 restricting certain activities in specified area of Aravalli Range

## **1.2 Vision & Aim of HSPCB**

---



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

06/10

## **CHAPTER 2: ABOUT HSPCB**

**2.1 Composition of the Board**

---

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

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

## **2.2 Members of the Board**

---

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

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

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

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

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

**Transport Commissioner, Haryana**  
30-Bays Building, Chandigarh

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

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

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

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

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

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

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

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

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

**Prof. Narsi R. Bishnoi, Department of Environmental Science &Engineering,**  
Guru Jambheshwar University of Science & Technology, Hisar

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

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

### **2.3 Details of Board Meetings held**

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

06/14

## 2.4 Staff Strength of HSPCB

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



06/15

## Annual Report 2019-20

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

06/16

Annual Report 2019-20

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

06/17

Annual Report 2019-20

## **CHAPTER 3: ACTIVITIES & INFRASTRUCTURE**

### **3.1 Mandated activities of the Board**

---

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

- To plan comprehensive programme for the prevention, control or abatement of water and air pollution in the state and to secure the execution thereof;
- To advise the State Government on any matter concerning the prevention, control or abatement of water and air pollution;
- To collect and disseminate information relating to water and air pollution, and the prevention, control or abatement thereof;
- To encourage, conduct and participate in investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programs relating to prevention, control or abatement of water and air pollution and to organize mass education programs relating thereto;
- To inspect sewage or trade effluent treatment works and plants installed for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by the Water Act & Air Act, or in connection with the grant of any Authorization or registration as required by the Environment (Protection) Act, 1986 and Rules made there under;
- To inspect, at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions, to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution;

**Annual Report 2019-20**

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

**Annual Report 2019-20**

systems for the disposal of sewage and trade effluents or to modify, alter or extend any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution;

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

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

### 3.2 Infrastructure of the Board

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

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

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

Annual Report 2019-20

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



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

The Board has established four laboratories at Panchkula, Gurugram, Faridabad and Hisar for carrying out the work for analysis of different types of samples of effluent/ water and air emissions of various industries/projects as well as water bodies and ambient air quality.



### **3.3 Functional Structure of the Board**

---

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

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

06/25

Annual Report 2019-20

## **CHAPTER 4: MEASURES FOR ABATEMENT OF POLLUTION**

#### 4.1 Action against Defaulting Units

##### Closure Action

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

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

Region	No. of units issued closure order under EP Act, 1986	No. of units issued closure order under Water Act, 1974	No. of units issued closure order under Air Act, 1981	No. of units issued closure order jointly under Water & Air Acts	Total No. units issued closure order
Ambala	0	3	5	10	18
Bahadurgarh	0	0	16	69	85
Ballabgarh	0	23	20	40	83
Bhiwani	0	0	117	21	138
Dharuhera	0	0	4	10	14
Faridabad	0	18	3	0	21
Gurugram (N)	0	3	15	13	31
Gurugram (S)	0	5	0	2	7
Hisar	0	0	100	12	112
Kaithal	9	3	15	13	40
Karnal	5	4	27	12	48
Kurukshetra	0	5	10	3	18
Nuh	0	0	0	0	0
Palwal	0	3	15	0	18
Panchkula	0	6	1	57	64

06/27

**Annual Report 2019-20**

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

### Legal Action

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



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

##### Under the EP Act, 1986

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

06/29

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

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

06/30

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

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



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

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

## Annual Report 2019-20

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

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

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

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

**Annual Report 2019-20**

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

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

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

06/34

**Annual Report 2019-20**

## **CHAPTER 5: GROSSLY & HIGHLY POLLUTING INDUSTRIES**

### 5.1 Grossly Polluting Industries (GPIs)

Industries discharging effluents into a water course and

- (a) Handling hazardous substances, or
- (b) Effluent having BOD load of 100 Kg per day or more, or
- (c) A combination of (a) and (b),

have been categorized as grossly polluting units by the Central Pollution Control Board (CPCB). In 1993-94, the CPCB initiated identification of industries along the rivers to control the discharge of untreated effluent into rivers, directly or indirectly.

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

The status of Grossly Polluting Industries in Haryana as per the said criteria is as below:

Region	No. of the Grossly polluting Industries	Compliance Status		Action taken against non-complying units			
		Complying	Non Complying	Closure	Prosecution	Closure & Prosecution	Under SCN
Ambala	7	5	2	2	0	0	0
Bahadurgarh	74	74	0	0	0	0	0
Ballabgarh	79	78	1	0	1	0	0
Bhiwani	1	1	0	0	0	0	0
Dharuhera	12	12	0	0	0	0	0
Faridabad	23	21	2	0	0	0	2
Gurugram (N)	126	118	8	0	0	0	8
Gurugram (S)	20	20	0	0	0	0	0
Hisar	0	0	0	0	0	0	0
Kaithal	2	2	0	0	0	0	0
Karnal	49	46	3	0	0	3	0

## Annual Report 2019-20

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

## 5.2 Highly Polluting 17 Category Industries

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

The CPCB selected 18 Categories of major polluting industries and after discussion 17 Categories of highly polluting industries were finalized for regular follow up through CPCB, being Aluminium Smelting, Basic Drugs & Pharmaceuticals Manufacturing, Chlor Alkali/ Caustic Soda, Cement, Copper Smelting, Dyes and Dye Intermediate, Distillery, Fertilizer, Integrated Iron & Steel, Leather Processing including Tanneries, Oil Refinery, Pesticide Manufacturing, Pulp & Paper, Petrochemicals, Sugar, Thermal Power Plants and Zinc Smelting.

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

Region	No. of 17 category highly polluting Industry	Compliance Status Under			Action taken against non-complying units			
		Air Act	Water Act	HWM Rules	Closure	Prosecution	Closure & Prosecution	Under SCN
Ambala	5	5	0	0	0	0	0	0
Bahadurgarh	25	25	0	0	0	0	0	0
Ballabgarh	2	2	0	0	0	0	0	0
Bhiwani	5	5	0	0	0	0	0	0
Dharuhera	1	1	0	0	0	0	0	0
Faridabad	4	2	0	0	0	0	0	2
Gurugram (N)	1	1	0	0	0	0	0	0
Gurugram (S)	2	2	0	0	0	0	0	0
Hisar	3	3	3	3	0	0	0	0
Kaithal	2	2	0	0	0	0	0	0
Karnal	11	8	0	0	0	0	3	0
Kurukshetra	2	2	0	0	0	0	0	0

Annual Report 2019-20

Region	No. of 17 category highly polluting Industry	Compliance Status Under			Action taken against non-complying units			
		Air Act	Water Act	HWM Rules	Closure	Prosecution	Closure & Prosecution	Under SCN
Nuh	1	1	0	0	0	0	0	0
Palwal	3	3	0	0	0	0	0	0
Panchkula	5	2	3	1	0	0	2	5
Panipat	9	9	0	0	0	0	0	0
Sonepat	15	15	0	0	0	0	0	0
Yamuna Nagar	4	4	0	0	0	0	0	0
<b>Total</b>	<b>100</b>	<b>92</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>7</b>



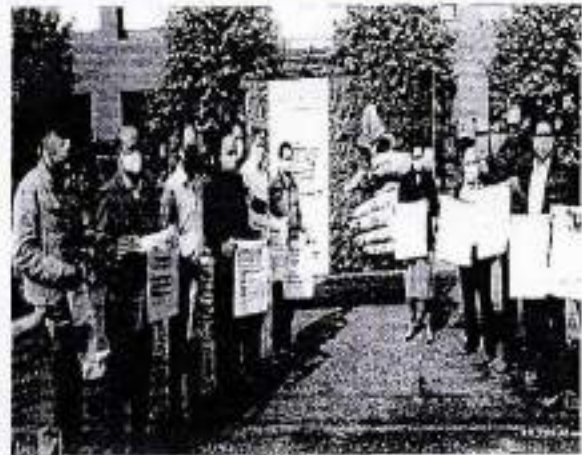
06/39

Annual Report 2019-20

## **CHAPTER 6: AWARENESS PROGRAMMES**

### 6.1 Awareness Programmes

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



**Annual Report 2019-20**

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

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

06/42

Annual Report 2019-20

**CHAPTER 7: EFFLUENT TREATMENT  
PLANTS & AIR POLLUTION  
CONTROL DEVICES**

### 7.1 ETPs, STPs&CETPs

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

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

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

Region	No. of new ETP/STP installed		
	ETP	STP	Both ETP & STP
Ambala	3	1	0
Bahadurgarh	21	2	0
Ballabgarh	219	28	24
Bhiwani	2	0	2
Dharuhera	3	4	2
Faridabad	156	73	21
Gurugram (N)	5	44	0
Gurugram (S)	2	7	0
Hisar	4	0	2
Karnal	270	32	1
Kurukshetra	4	1	0
Panchkula	10	1	1
Panipat	28	1	0
Sonepat	52	2	5
Yamuna Nagar	10	1	0
<b>Total</b>	<b>789</b>	<b>197</b>	<b>58</b>

## Detail of Industries/ Projects Modified/Upgraded ETPs/STPs

Region	No. of Industries Modified ETP	No. of Industries Modified STP	No. of Industries Modified STP & ETP Both
Ambala	1	0	0
Ballabgarh	6	0	0
Faridabad	5	0	0
Gurugram (N)	3	10	0
Hisar	1	0	0
Karnal	6	5	0
Kurukshetra	1	0	0
Panchkula	57	0	0
Sonepat	10	0	0
<b>Total</b>	<b>90</b>	<b>15</b>	<b>0</b>

## Detail of new STPs installed in various towns

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

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

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

## 7.2 Air Pollution Control Devices (APCDs)

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

### Detail of Industrial units/projects Installed /Modified APCDs

Region	No. of industries installed new APCM	No. of industries modified APCM
Ambala	4	0
Ballabgarh	15	0
Gurugram (N)	8	1
Hisar	2	0
Karnal	0	6
Kurukshetra	4	0
Panchkula	8	0
Panipat	28	0
Sonepat	84	7
Yamuna Nagar	34	0
<b>Total</b>	<b>187</b>	<b>14</b>

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

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

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

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

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

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

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



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

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

06/48

Annual Report 2019-20

**CHAPTER 8: CESS COLLECTION  
UNDER WATER ACT, 1977**

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

---

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

During the year 2019-20, Cess amount of ₹1,08,40,798/- has been collected, pending before introduction of Goods and Service Tax Act, 2017. The amount of cess collected includes cess arrears also.

**CHAPTER 9: CONTINUOUS AMBIENT  
AIR QUALITY MONITORING**

## **9.1 General**

---

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

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

Continuous ambient air quality monitoring include installation of Fixed Continuous Ambient Air Quality Monitoring System as per CPCB/SPCB guidelines, comprising of gas and BTX analyzers, dust analyzers, weather monitors and associated auxiliary items including PC based data acquisition system with suitable Software to link up with the State Pollution Control Boards and Central Pollution Control Board.

## 9.2 Continuous Ambient Air Quality Monitoring Report

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

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

The table highlights the monthly average of air pollutants, wherein rows represents the period and the columns represent the unit of measurement of the pollutant. The pollutants highlighted in columns are Particulate Matter (PM<sub>2.5</sub>), Nitrogen di-oxide (NO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>) and Ozone (O<sub>3</sub>), Carbon Monoxide (CO), Nitric Oxide (NO) and Sulphur Dioxide (SO<sub>2</sub>) and Benzene.

## Annual Report 2019-20

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

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

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

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

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

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

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

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



## Annual Report 2019-20

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

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

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

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

## Annual Report 2019-20

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

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

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

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

## Annual Report 2019-20

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

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

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

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

## Annual Report 2019-20

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

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

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

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

## Annual Report 2019-20

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

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

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

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

**Annual Report 2019-20****15. Continuous Ambient Air Quality Monitoring Station at CharkhiDadri.**

Monitoring Location : Mini Secretariat, CharkhiDadri - HSPCB

Monitoring Conducted By: Environnement SA India Pvt. Ltd

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

CAAQMS start from February 2020

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

Monitoring Location : New Industrial Town, Faridabad - HSPCB

Monitoring Conducted By: Environnement SA India Pvt. Ltd

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

CAAQMS start from February 2020

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

Monitoring Location : Sector 11, Faridabad - HSPCB

Monitoring Conducted By: Environnement SA India Pvt. Ltd

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

CAAQMS start from February 2020

## Annual Report 2019-20

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

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

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

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

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

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

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

## Annual Report 2019-20

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

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

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



06/63

## Annual Report 2019-20

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

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

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

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

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

**Annual Report 2019-20**

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

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

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

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

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

## Annual Report 2019-20

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

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

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

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

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

06/67

Annual Report 2019-20

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

### 10.1 Categorization of Industrial Units/Projects

The Board re-categorized industrial sectors/projects under Red, Orange, Green and White categories for the purpose of consent management under the Water Act, 1974 & the Air Act, 1981 on the basis of directions issued by the Central Pollution Control Board vide letter dated 07.03.2016.

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



06/69

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

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

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

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

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

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

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

06/70

**Annual Report 2019-20**

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



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

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

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

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

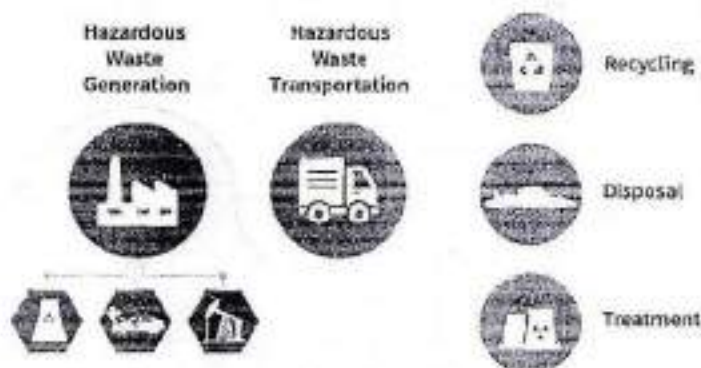
06/72

Annual Report 2019-20

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

### 11.1 Authorization under Hazardous & Other Waste Rules, 2016

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



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

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

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

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

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

Every trader desirous of import of other wastes such as Metal scrap, paper waste etc. as listed in Part D of Schedule III of Hazardous & Other Waste (M&TM) Rules, 2016, may make an application in Form 16 to the State Pollution Control Board for their authorization which is granted on one time basis and the registered traders are required to submit details of such imports and particulars of the actual users along with quantities to the concerned State Pollution Control Board or Pollution Control Committees on a quarterly basis.

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

#### 11.4 Status regarding Receipt and Disposal of Hazardous Waste in TSDF

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

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

The detail of Hazardous Waste received, processed and disposed during the year 2019-20 at the facility, is given as under:-

Description of hazardous waste		Quantity in MT
Quantity in Stock at the beginning of the year	Landfillable	0
	Incinerable	464
Quantity of Hazardous Waste Received	For Landfill	14372
	For Incineration	15150.8
Quantity of Hazardous Waste Disposed	Quantity Land filled	14372
	Quantity Incinerated	0
Quantity in Stock at the end of the year	Landfillable	0
	Incinerable	1743.26
Cumulative HW disposed in SLF by the end of financial year	SLF	14371.98
	Incinerator	13872
Capacity	Incinerator (Kcal)	2.5million
	Incinerator (T/H)	0
	Landfill (MT/A)	5lacs MT

Annual Report under Hazardous Waste Management Rules

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

A1.

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

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

06/78

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



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

The E-waste (Management) Rules, 2016 have been notified by the Ministry of Environment, Forest & Climate Change, Govt. of India with the primary objective to channelize the E-waste generated in the country for environmentally sound recycling which is largely controlled by the un-organized sector who are adopting crude practices that results in higher pollution and less recovery, thereby causing wastages of precious resources and damage to the environment.

**E-WASTE**



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

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

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

Region	Total no. of Authorized		Total Authorized Quantity (MT)	
	Recycler	Dismantler	Recycling	Dismantling
Ambala	0	3	0	693.663
Bahadurgarh	1	3	5000	17440
Ballabgarh	0	5	0	2137
Faridabad	1	1	570	2017
Gurugram (S)	3	8	219.729	485.428
Kurukshetra	0	1	0	531.50
Nuh	0	2	0	93
Palwal	0	0	0	0
Panchkula	0	1	0	3600
Panipat	4	3	0	0
Sonepat	3	4	10547.165	10037.5
<b>Total</b>	<b>12</b>	<b>31</b>	<b>16336.894</b>	<b>37035.091</b>

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

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

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

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

Bio-medical Waste (Management) Rules, 2016 were notified by the Ministry of Environment & Forests (MoEF&CC) which apply to all persons who generate, collect, receive, store, transport, treat, dispose or handle bio-medical waste in any form. The 'prescribed authority' for enforcement of the provisions of these rules in respect of all the health care facilities located in State is the State Pollution Control Board.

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

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

## Annual Report 2019-20

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

### 13.3 Service Providers authorized under Bio Medical Waste Rules, 2016

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

Region	Sr. No.	Name & Address of the Unit	Capacity (Kg/Hr.)
Panchkula	1.	M/s Ess Kay Hygenic, Vill Bagwala, Panchkula, Mob:- 09466100061	150
	2.	M/s Rudraksh Enviro Care, Vill. Bhodog, Naraingarh, Ambala	150
Jind	3.	Manuti Bio-Medical Waste Plant VPO- Hetampura, Distt. Bhiwani	100
	4.	Divya Waste Management Co. Village Kandela Jind JIND	100
Yamuna Nagar	5.	M/s Esskay Hygienic Services located at VPO Bagwala Tehsil Barwal Distt. Panchkuka	100
Faridabad	6.	M/s Golden Eagle Waste Management Co., Village-Jasana, Faridabad	100
Bahadurgarh	7.	M/s S.D. Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak	100
Gurugram(N)	8.	M/s Vulcan Waste Management Pvt. Ltd. Vill. Bhondsi Gurugram	150
Hisar	9.	Synergy Waste Management Pvt. Ltd, 168, Sec-27-28, HUDA Ind.	500

## Annual Report 2019-20

	Area, Hisar	
10.	Invision Enviro Services, Vill. Phulkan, Distt. Sirsa	100
11.	Surya Waste Management, Sahuwala Road, Vill. Chadiwal, Distt. Sirsa	100

## 13.4 Status of Bio Medical Waste Management

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

## Annual Report 2019-20

Sr. no.	Particulars	Total
III.	Any other	30
5.	Bio-medical waste treatment & disposal	
a.	Bio-medical waste treatment & disposal by Common Bio Medical Waste Treatment Facility	
i.	Number of Common Bio Medical Waste Treatment Facility in operation	--
ii.	Number of Common Bio Medical Waste Treatment Facility under construction	--
iii.	Total Bio-medical waste treated in kg/day	---
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	1559
6.	Total number of violation by	
i.	Healthcare Facilities (bedded and non bedded)	123
ii.	Common Bio Medical Waste Treatment Facilities	05
7.	Show Cause Notice/ direction issued to defaulter	
i.	Common Bio Medical Waste Treatment Facilities	05
ii.	Other	67
8.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	43
ii.	Number of occupiers installed liquid waste treatment facility	302
iii.	Number of captive incinerators complying to the norms -	00
iv.	Number of occupiers organized trainings	222
v.	Number of occupiers constituted bio-medical waste management committees	242
vi.	Number of occupiers submitted Annual Report for the previous calendar year	4309
Vii.	Number of occupiers practicing pretreatment of lab micro biology and bio technology waste	771
viii.	Number of Common Bio Medical Waste Treatment Facility that have installed continuous Online Emission Monitoring System	11

06/86

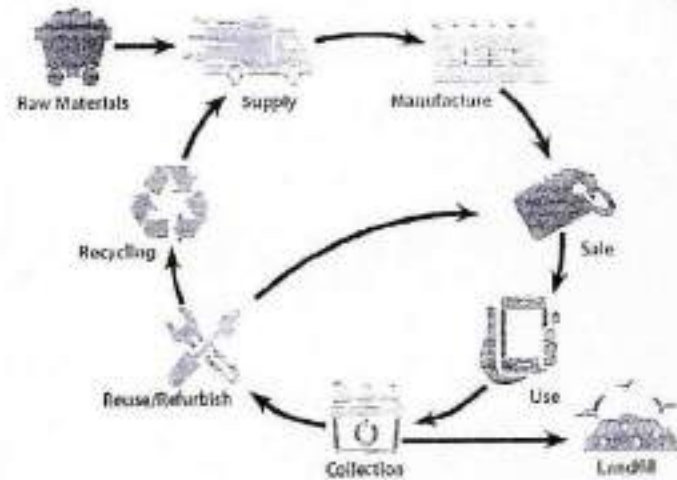
Annual Report 2019-20

**CHAPTER 14: BATTERIES RULES,  
2001**



### 14.1 General

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



battery which is a source of electrical energy and contains (or may produce at end of its life) potassium hydroxide or sodium hydroxide or ammonium chloride or zinc chloride or sulfuric acid or pressurized sulfur dioxide gas or thionyl chloride or magnesium bromide or magnesium perchlorate or mercury or zinc or cadmium or nickel or lithium chloride or any other hazardous material as defined in Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. The Batteries (Management and Handling) Amendment Rules, 2001, apply to every manufacturer, importer, re-conditioner, assembler, dealer, recycler, auctioneer, consumer and bulk consumer involved in manufacture, processing, sale, purchase and use of batteries or components thereof.

### 14.2 Status of Registration under Batteries (M & H) Rules, 2001

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

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

---

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

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

### 15.1 General

Plastic has multiple uses and their physical and chemical properties lead to commercial success. However, the indiscriminate disposal of plastic waste has become a major threat to the environment. In particular, the plastic carry bags are the biggest contributors of littered waste and every year, millions of plastic bags end



up in to the environment vis-a-vis soil, water bodies, water courses, etc and it takes an average of one thousand years to decompose \_\_\_\_\_. Therefore, to address the issue of scientific plastic waste management, the Plastic Waste (Management) Rules, 2016 were notified by the Ministry of Environment, Forest & Climate Change, Govt. of India, which includes plastic waste management.

### 15.2 Status of implementation of Plastic Waste Rules,2016

Sr. no.	Description	Details and quantity in TPA
1	Estimated plastic waste generation tons per Annum	190163.9
2	No. of Plastic manufacturing units (including multilayer, compostable plastic units).	Plastic unit- 63 (including 46 recycling unit) Compostable plastic unit- 1 Multilayered plastic unit- 28
3	Separate Act/Notification issued, if any for management of plastic waste in the state	20 August, 2013 by ULBD.
4	No. of violations and action action taken on non-compliance of provisions ofPWM Rules, 2016 as amended (Rule 12)	5987 challans done for amount of Rs. 12770305/-

## **CHAPTER 16: REDRESSAL OF PUBLIC COMPLAINTS**

### 16.1 Status of Public Compliants Received and Disposedoff

Region	No. of complaints received through				No. of complaints disposed off				No. of pending complaints			
	Hard copy	CM Window	Other online portals	Total	Hard copy	CM Window	Other online portals	Total	Hard copy	CM Window	Other online portals	Total
Ambala	5	7	2	14	5	7	2	14	0	0	0	0
Behadurgarh	23	42	84	149	23	42	84	149	0	0	0	0
Ballsbgarh	0	16	91	107	0	16	91	107	0	0	0	0
Bhiwani	5	49	0	54	5	49	0	54	0	0	0	0
Dharuhera	0	31	14	45	0	31	14	45	0	0	0	0
Fardabad	40	19	502	561	40	19	502	561	0	0	0	0
Gunugram (N)	4	4	7	15	4	4	7	15	0	0	0	0
Gunugram (S)	39	27	150	216	39	27	150	216	0	0	0	0
Hissar	36	0	68	104	36	0	68	104	0	0	0	0
Kamal	11	49	0	60	11	49	0	60	0	0	0	0
Kurukshetra	2	5	0	7	2	5	0	7	0	0	0	0
Nuh	0	4	0	4	0	4	0	4	0	0	0	0
Pahwal	0	2	0	2	0	2	0	2	0	0	0	0
Panchkula	0	14	5	19	0	13	5	18	0	1	0	1
Panipat	0	47	0	47	0	47	0	47	0	0	0	0
Sonepat	10	21	109	140	10	21	109	140	0	0	0	0
Yamuna Nagar	3	113	21	137	3	113	21	137	0	0	0	0
<b>Total</b>	<b>178</b>	<b>450</b>	<b>1053</b>	<b>1681</b>	<b>178</b>	<b>449</b>	<b>1053</b>	<b>1680</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

06/93

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

### 17.1 General

Public hearings are held as part of the public inquiry process required under the EIA Notification dated 14.9.2006. This provides interested parties with the opportunity to explain on written submissions and to discuss, inquire issues in a public forum. Persons present at the



venue are granted the opportunity to seek information or clarification of the project from the project proponents requiring environmental clearance and all the views and concerns expressed by the participants are recorded and reflected in the proceedings of the public hearing which are considered by the Authorities while deciding the case of Environmental Clearance to the project proponent under EIA Notification dated 14.09.2006.

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

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

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



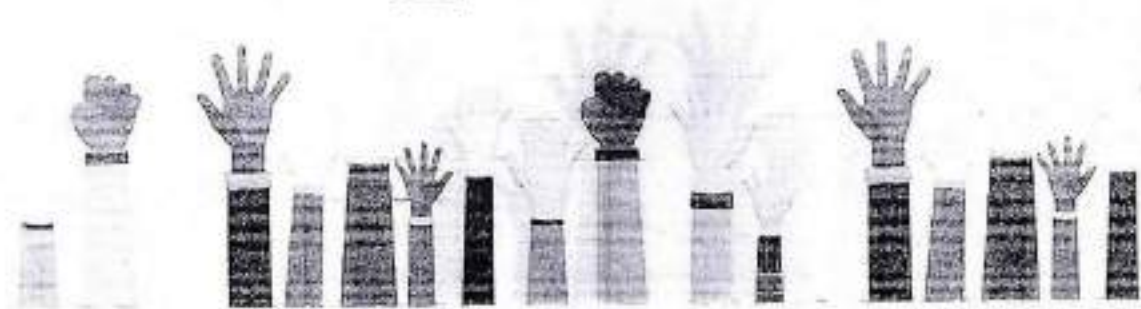
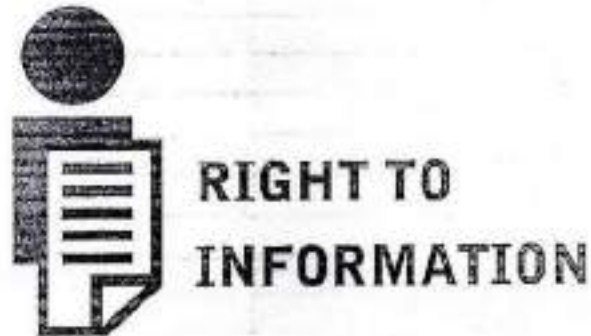
06/95

Annual Report 2019-20

## **CHAPTER 18: RIGHT TO INFORMATION ACT, 2005**

### 18.1 General

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



The HSPCB has provided relevant informations on the website of the Board i.e. [www.hspcb.gov.in](http://www.hspcb.gov.in) in compliance of section 4 of RTI Act, 2005.

### 18.2 Details of Applications received and disposed

#### a) By Regional Offices of the Board

Region	No. of applications			Amount of fee collected (₹)	Amount of fee collected on account of additional documents (₹)
	Received	Disposed off	Under Process		
Ambala	10	10	0	0	0
Bahadurgarh	125	125	0	100	0
Ballabgarh	76	76	0	220	220
Bhiwani	45	45	0	740	50
Dharuhera	81	81	0	1180	150

**Annual Report 2019-20**

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

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

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

06/98

Annual Report 2019-20

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

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

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

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

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

06/101

Annual Report 2019-20

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

06/102

**Annual Report 2019-20**



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

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