

ANNUAL REPORT

2011-2012



Haryana State Pollution Control Board

C-11, Sector- 6, Panchkula

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About the Haryana State Pollution Control Board and various Environmental Acts and Rules.

1.1 Introduction

The Haryana State Pollution Control Board (HSPCB) is a statutory authority entrusted 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 19.9.1974 initially for Prevention and Control of Water Pollution and maintaining or restoring wholesomeness of water. The State Pollution Control Board was also entrusted with additional responsibility of implementing the Water (Prevention and Control of Pollution) Cess Act, 1977 with a view of augmenting the resources of the State Pollution Control Boards. The State Pollution Control Board was also given additional responsibilities under Air (Prevention and Control of Pollution) Act, 1981 to take appropriate steps for preservation of quality of Air and Control of Air Pollution. The Board was subsequently given the responsibility of implementing a series of other environmental Acts and Rules, either directly or indirectly, as stated hereafter:-

1. The Water (Prevention and Control of Pollution) Act, 1974, amended in 1988 and Rules made there under:

The Act provides (i) for the prevention and control of water pollution and for maintaining & restoring the wholesomeness of water, (ii) for the establishment of Boards for the prevention and control of water pollution, and (iii) for conferring on and assigning to such Boards the powers and functions relating thereto and for matters connected therewith.

2. The Water,(Prevention and Control of Pollution) Cess Act, 1977, amended in 1992, 2003 and Rules made there under;

The Act aims to provide for the levy and collection of cess on water consumed by persons carrying on certain industries and by local authorities, with a view to augment the resource of the Central Board and the State Boards for the prevention and control of water pollution constituted under the Water Act.

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3. The Air (Prevention and Control of Pollution) Act, 1981, amended in 1987 and Rules made there under:

The prime objective of the Act is to provide (i) for the prevention, control and abatement of air pollution, (ii) for the establishment of Board, and (iii) for the conferring on and assigning to such Boards powers and functions relating thereto and for matters connected therewith.

4. The Environment (Protection) Act, 1986, amended in 1991 and Rules made there under:

The Act intends to provide for the overall protection and improvement of the environment.

5. The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.

These Rules demands that the various categories of hazardous waste, as mentioned in the Rules and generated are properly stored, treated and disposed of, to ensure that the handling of such waste does not cause any ecological disturbance & damage to the Environment.

6. The Manufacture, Storage and Import of Hazardous Chemicals rules, 1989, amended in 2000.

The main intention of these Rules is to impose restriction on the manufacture and storage of hazardous chemicals, as well as to control the import of hazardous chemicals, which are not permitted to import under this Rule.

7. The Biomedical Waste (Management and Handling) Rules, 1998, amended in 2003.

These Rules aims for the management, handling and safe disposal of Biomedical Waste generated from health care establishments, in environmentally sound manner to ensure that handling of such waste does not cause any damage to the Environment & danger to living creatures.

8. The Plastics Waste (Management and Handling) Rules, 2011.

These Rules was notified to lay down the conditions on the manufacture, stocking distribution, sale and uses of plastics carry bags, sachets and containers and plastic waste management including Recycling recovery or disposal of plastic waste.

9. The Municipal Solid Waste (Management & Handling) Rules, 2000.

The main thrust of these Rules is for implementation of the provision of these rules in prescribed schedule by the Concerned Authorities and for any infrastructure development for collection, storage, segregation, transportation processing and final disposal of Municipal Solid Waste in Environmentally sound manner so as to prevent contaminations of ground water, surface water and ambient Air quality.

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10. The Noise Pollution (Regulation and Control) Rules, 2000 amended in 2006.

These Rules intends to regulate and control Noise-producing and noise-generating sources. Rules relating to Noise Pollution Control notified under Environment (Protection) Rules, 1986: These rules categorize the areas & zones for application of standards in respect of noise depending upon the category of area by restricting the use of noise generating sources to maintain the ambient air quality standards in respect of noise for different areas / zones.

11. The Batteries (Management and Handling) Rules, 2001.

These Rules deal with the import, Manufacture, assembling, sale & use of lead acid batteries as well as storage, collection reconditioning and recycling of used lead Acid Batteries and their components, in an environmentally sound & safe manner so that no damage is caused to environment for the management and handling of used batteries.

12. The Ozone Depleting Substances (Regulation and Control) Rules, 2001.

The Rule aims for regulating the ozone depleting substances.

13. The Public Liability Insurance Act, 1991, amended in 1992 and Rules made there under;

The Act aims at providing immediate relief to the persons affected by accident occurring while handling & use of any hazardous substances beyond thresh hold limits prescribed under the Act.

1.2 Composition of the Board

The section 4 of the Water (Prevention and Control of Pollution) Act, 1974 and section 5 of the Air (Prevention and Control of Pollution) Act, 1981 provides the power to the State Government to constitute the State Pollution Control Board in the respective states. As per said provisions of the Act, the Board comprises of a Chairman, a Member Secretary and fifteen other members nominated by the State Government. The members of the Board include the representative of government, local authorities and state - Controlled corporations as also some persons represents the interest of agriculture, fishers or industry or trade.

During the year 2011-12, Dr. Ajaib Singh Chahal remained Chairman of the Board up to 20.11.2011 and Sh. R.R. Jowel, IAS, Financial Commissioner & Principal Secretary to Govt. Haryana, Environment Department remained the Chairman, Haryana State Pollution Control Board from 21.11.11 onwards.

The composition of the Haryana State Pollution Control Board during the year 2011-12 as per notification No.2/22/08-1 Env. dated 21.11.2008 issued by the Environment Department Government of Haryana was as follows:-

Official Members

1.	Dr. A.S. Chahal,	Chairman
2.	Sh. S.K. Monga,	Member Secretary
3.	Director, Urban Local Bodies, SCO No. 6-7, Sector 17-B, Chandigarh.	Member
4.	Director, Environment, Haryana, SCO No. 1-3, Sector 17-D, Chandigarh.	Member
5.	Transport Commissioner, Haryana 30-Bays Building, Chandigarh.	Member
6.	Public Health Engineering Department, Haryana, Panchkula.	Member
7.	Principal Chief Conservator of Forests, Haryana, Panchkula.	Member

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Members from the Local Authorities

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| 1. | Sh. Suresh Gupta, M.C. Rohtak,
S/o Sh. Shivji Mal,
H.NO. 1302/9, Bawara Chowk, Rohtak. | Member |
| 2. | Sh. Narender Singh, M.C. Jind,
H. No. 4773, Sec-11, Urban Estate, Jind | Member |
| 3. | Sh. Harish Sasan, Municipal Councilor,
18/290, Baldev Nagar, Ambala City. | Member |
| 4. | Sh. Jitender Bhardwaj,
S/o Sh. Subhash Chand,
M-39, Old DLF, Near Sec-14, Gurgaon. | Member |
| 5. | Sh. Basant Virmani,
Deputy Mayor, Faridabad,
H. No. 1016, Sec-15, Faridabad. | Member |

Members from Agriculture, Fishery, Industry and Trade etc.

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| 1. | Sh. Mange Ram Dahiya,
S/o Sh. Ghasi Ram Dahiya,
H. No. 727/23, DLF Colony, Rohtak | Member |
| 2. | Sh. Raghubir Singh Tewatia,
Shop No. 17, New Anaj Mandi, Palwal, Faridabad. | Member |
| 3. | Sh. Sant Lal Madan, Retd. XEN,
H. No. S-1, Public Health Colony, Rohtak. | Member |

Members from Corporations and Companies

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| 1. | Managing Director, HSIIDC, Panchkula. | Member |
| 2. | Managing Director,
Haryana Financial Corporation, Chandigarh. | Member |

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The composition of the Board during the year 2011-12, as per Notification Endst. No. 2/22/2008-1E dated 23.12.2011 issued by the Environment Department Government of Haryana was as follows:-

Official Members

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| 1. | Financial Commissioner & Principal Secretary to Govt. Haryana, Environment Department. | Chairman |
| 2. | Director General, Environment | Member Secretary |
| 3. | Director General, Environment | Member |
| 4. | Director, Urban Local Bodies | Member |
| 5. | Principal Chief Conservator of Forests, Haryana, Panchkula. | Member |
| 6. | Transport Commissioner, Haryana | Member |
| 7. | EIC, Public Health Engineering Department, Haryana, Panchkula. | Member |

Members from the Local Authorities

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| 1. | Ms. Veena Deswal, Chairperson, Zila Parisad, Jind House No. 2642, Urban Estate, Jind. | Member |
| 2. | Sh. Ashok Arora, Mayor, Municipal Corporation, Faridabad. | Member |
| 3. | Sh. Jitender Kumar Bhardwaj, S/o Sh. Subhash Chand, MC, Sohana, M-39, Old DLF, Near Sec-14, Gurgaon. | Member |
| 4. | Sh. Sunder Lal Prajapat, Vice Chairman, MC, Dharuhera, Sunder Tent House, Dharuhera, Rewari. | Member |

Members from Agriculture, Fishery, Industry and Trade etc.

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| 1. | Sh. Suresh Gupta, S/o Sh. Shivji Mal, H. No. 1302/9, Bawara Chowk, Rohtak. | Member |
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2. Sh. Arvind Kapoor, MD Richo Auto Industries, 38 KM Stone Delhi-Jaipur Highway, Gurgaon. Member
3. Sh. Sunil Rao, S/o Rao Jaswant Singh, Ex- MLA, House No. 444, Sec. 3, Urban Estate Rewari.. Member

Members from Corporations and Companies

1. Managing Director, Haryana State Industrial and Infrastructure Development Corporation, Panchkula. Member
2. Managing Director, Haryana Power Generation Corporation. Member

Activities & Infrastructure of the Board

3.1 Meetings of the Board with major decisions

During the year 2011-12, the meetings of the Board were held under the Chairmanship of Dr. A.S. Chahal, & Sh. R.R. Jowel, IAS, as per detail given under :-

Sr. No	Meeting	Date of Meeting	Place	Name of Chairman
1.	158 th	14.06.2011	Panchkula	Dr. Ajaib Singh Chahal
2.	159 th	30.09.2011	Panchkula	Dr. Ajaib Singh Chahal
3.	160 th	18.10.2011	Panchkula	Dr. Ajaib Singh Chahal
4	161 st	08.02.2012	Panchkula	Sh. R.R. Jowel, IAS
5	162 nd	20.03.2012	Panchkula	Sh. R.R. Jowel, IAS

The following major decisions were taken during the year 2011-12:-

- (1) Policy guidelines for obtaining Bank Guarantees from non complying units under Hazardous Waste (Management Handling & Transboundry Movement) Rules and Bio-Medical Waste Rules.
- (2) Amendment in the procedure for obtaining Bank Guarantees from non complying units under Water Act & Air Act.
- (3) Amendment in Notification dated 01.04.2010 of Haryana State Pollution Control Board regarding Consent Management.
- (4) Fixing of pollution norms for constituent units for discharge of effluent (more than 25 kilo litre per day) in Common Effluent Treatment Plant of HUDA Sector-29, Part-II, Panipat.
- (5) Visit of High Powered Delegation to Japan in India-Japan Global Partnership Summit, 2011 from 5-9th September, 2011- sharing of cost by the Board for the visit of Chairman as part of delegation.
- (6) Amendment in Haryana State Pollution Control Board (Group A, B, C and D) Service Regulations, 2004.
- (7) Introducing the Online Software for consent Management.

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- (8) Guidelines in respect of Rice Shellers in Haryana
- (9) Environmental guidelines for Hatcheries/poultry farms.
- (10) Procedure regarding grant of consent to establish (NOC) and consent to operate under the provisions of water and Air Acts and authorization under HWTM Rules.
- (11) Delegation of administrative powers to Member Secretary under the provisions of the Water Act & Air Act.
- (12) Revision of delegation of Financial Powers to Board's officers.
- (13) Fixing of dates for submission of application for consent to operate Amendment in Haryana Water (Prevision and Control) Rules 1976, and Haryana Air (Prevision and Control) Rules, 1983.
- (14) Empanelment of expert agencies dealing in pollution control devices.
- (15) Amendment in the procedure regarding consent to establish under Water and Air Act – EIA Clearance reg.
- (16) Policy regarding renewal of Consent under provisions of Water Act, Air Acts and Authorization under HWTM Rules and BMW Rules for the year 2011-12.
- (17) Classification of categories for industries for consent Management.
- (18) Delegation of power regarding forfeiture of the performance bonds/bank guarantees.
- (19) Procedure regarding grant of consent to establish/Consent to operate after adopting Online Software for Consent Management.
- (20) Strengthening of IT cell and setting up of Public Relation Cell in the Board.
- (21) Policy regarding Bank Guarantee / Performance Bond for grant of Consent to Operate.
- (22) Regarding categorization of mineral grinding/Pulverizing units of Narnaul/Bayal area Distt-Mohindergarh.for the purpose of consent management.

3.2 Mandated activities of the Board

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

- To plan comprehensive programme for the prevention, control or abatement of water and air pollution in the state and to secure the execution thereof;
- To advise the State Government on any matter concerning the prevention, control or abatement of water and air pollution;
- To collect and disseminated information relating to water and air pollution, and the prevention, control or abatement thereof;

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- To encourage, conduct and participate in investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programs relating to prevention, control or abatement of water and air pollution and to organize mass education programs relating thereto;
- To inspect sewage or trade effluent treatment works and plants installed for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by the Water Act & Air Act, or in connection with the grant of any Authorization or registration as required by the Environment (Protection) Act, 1986 and Rules made there under;
- To inspect, at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions, to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution;
- To inspect air pollution control area at such intervals as it may think necessary, assess the quality of air there in and take steps for the prevention, control or abatement of air pollution in such areas;
- To lay down, modify or annual effluent standards for sewage and trade effluents and for the quality of receiving waters (not being water in an inter-state stream) resulting from discharge of effluents and to classify waters of the state;
- To lay down, in consultation with the Central Board and having regard to the standards for the quality of air laid down by the Central Board, standards for emission of air pollutants in the atmosphere from industrial plant and automobiles or for the discharge of any air pollutant into the atmosphere from any other source whatsoever not being a ship or an aircraft;
- To evolve economical and reliable methods of treatment of sewage and trade effluents having regard to the peculiar conditions of soils, climate and water resources of different regions and more specifically the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- To evolve methods of utilization of sewage and suitable trade effluents in agriculture or other utilities;

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- To evolve efficient methods of disposal of sewage and trade effluent on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- To lay down standards of treatment of sewage and trade effluents to be discharged in any particular stream by taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents;
- To make, vary or revoke any order for prevention, control or abatement of discharge of waste into streams or wells and requiring any person concerned to construct new systems for the disposal of sewage and trade effluents or to modify, alter or extend any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution;
- To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both, and to lay down, modify or annual effluent standards for the sewage and trade effluent;
- To advice the State Government with respect to the suitability of the any premises or location of any industry, which is likely to cause air pollution or likely to pollute a stream or well;
- To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government; and
- To do such other things and to perform such other acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purpose of the Air Act.

Although the Board's primary responsibility is to implement the environmental regulations within the state of Haryana, but during the last decade there has been a paradigm shift in the concept of implementing environmental regulation 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 it's mandated activities and acted as a promoter, providing financial assistance for controlling pollution in Government Department.

3.3 Infrastructure of the Board

The Board is headed by a Chairman with its head quarters at Panchkula. There are 12 Regional offices in the State located at Dharuhera, Ballabgarh, Gurgaon (North), Gurgaon

(South), Faridabad, Bahadurgarh, Sonapat, Panipat, Panchkula, Hisar, Yamuna Nagar & Jind. The Board has established four laboratories of its own at Panchkula, Gurgaon, Faridabad, & Hisar. Besides, there are 4 laboratories which have been recognized by the Board for carrying out the work of collection & analysis of different types of effluents/ water samples and air emission samples from various industries of the state.

3.4 Functional Structure of the Board

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

The Scientific wing, headed by Scientists, is looking after the Board's four Laboratories and is also involved in various environmental monitoring projects as well in the implementing various Environmental 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 wings are managing the administrative and personal matters.

The Accounts wing manages the accounts and finance related issues of the Board.

Simplification of Procedure for Grant of Consent to Establish & Consent to Operate under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Hazardous Waste (MH&TM) Rules, 2008.

In order to facilitate the problems of entrepreneurs, the Haryana State Pollution Control Board has simplified its procedure for grant of Consent to Establish (NOC)/Consent to Operate vide Notification No. HSPCB/2009/Policy/ 100 dated 1st April, 2010 and is given as under:-

No. HSPCB/2009/Policy/100 – In exercise of the powers conferred by section 25/26 and section 33-A of the Water (Prevention & Control of Pollution) Act, 1974, section 21,22 & section 31-A of Air (Prevention & Control of Pollution) Act, 1981 read with rule 22 of the Haryana (Prevention & Control of Water Pollution) Rules 1978 and rule 15 of the Haryana (Prevention & Control of Pollution) Rules, 1983 and rule 5 of the Hazardous Waste (Management & Handling) Rules, 1989 and in supersession of the Board's earlier notification No. HSPCB/98/2413 dated 24th July, 1998 regarding simplification of Consent Procedures, the Haryana State Pollution Control Board in its 147th meeting held on 23.12.2008 has resolved vide resolution No. 147.119S. decided to lay down the following procedure for Consent Management for obtaining Consent to Establish/No Objection Certificate (NOC) and Consent to operate under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 and Hazardous Waste (Management & Handling) Rules, 1989 as amended from time to time for effective enforcement of Environmental Laws. In partial modification of Policy Notification issued by the Haryana State Pollution Control Board vide No. HSPCB/2009/Policy/ 100 dated 1st January, 2009, the following procedure for Consent Management shall be applicable w.e.f. 1st April, 2010 in view of resolution No. 148.12, 148.17, 149.7, 150.6, 152.9 & 153.5 passed by the Board;

I. Procedure for grant of Consent to establish (NOC)

Case -I

The industrial units falling under Case-I category shall apply for Consent to establish/No Objection Certificate (NOC) directly in the Head office on the prescribed form alongwith requisite fee in duplicate and each paper has to be signed by the authorized signatory to avoid delay.

For all projects listed in category A or B in the Environment Impact Assessment (EIA) notification issued by the Ministry of Environment & Forests, Govt. of India dated 14.9.2006,

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the issue of environmental clearance by the competent authority under the said notification shall be considered by HSPCB as deemed "consent to establish" required under the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Hazardous Waste (Management & Handling) Rules, 1989 subject to the fulfillment of two other requirements namely the payment of consent to establish/NOC fees as prescribed and submission of a performance bond signifying adherence to the prescribed standards under the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Hazardous Waste (Management & Handling) Rules, 1989 in the form of an unconditional bank guarantee to the extent of 0.25%, of the specified project cost (Capital Investment, subject to minimum of Rs. 2500/- which includes land, building & machinery), along with an undertaking by the applicant indicating his awareness of the prescribed standards and his commitment to comply with the same. The bank guarantee shall also apply to Ex-post facto NOC cases. The performance bond shall be refunded/retired at one-fifth of the value after every year of successful adherence to prescribed standards subsequent to the date of coming into production/operation of the project. The (NOC) No Objection Certificate/consent to establish shall be provided within 10 days of the submission of the above documents along with the letter granting environmental clearance by the competent authority under the Environment Impact Assessment (EIA) notification dated 14.9.2006 (Ministry of Environment & Forests, Govt. of India for category A projects & the State Level Environment Impact Assessment Authority (SEIAA) for projects in category B) at the headquarter level after approval of the Chairman. The NOC so granted shall be valid for a period of two years or as mentioned in the project report whichever is earlier to be extended upto five years at the discretion of the Competent Authority. In case of specific projects like Power Plants, Fertilizers, Refineries etc. NOC shall be valid upto five years to be extended up to another five years. For extension of NOC units are required to deposit NOC fees on yearly basis.

All categories of project which are covered under 17 categories of industries defined by CPCB but do not fall under EIA Notification and project mentioned in EIA notification but not requiring environmental clearance, will be covered under consent management of case II category under policy notification dated 1.1.2009. The policy of deemed NOC after the environmental clearance is not applicable for those projects which fall under Aravali Notification dated 7th May, 1992 and prior clearance under Aravali Notification is mandatory in such cases before considering their NOC applications.

Case-II

The following projects which are not covered by the categorization specified in the Environment Impact Assessment (EIA) notification of 14.9.2006 but require regulation in view of discharge of polluting effluents or air emissions, such units are required to adhere to two additional conditions i.e. submission of performance bond (unconditional bank

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guarantee to the extent of 0.25%, of the specified project cost (Capital investment), subject to minimum of Rs. 2500/- along with an undertaking by the applicant indicating his awareness of the prescribed standards and his commitment to comply with the same) as indicated in the para above besides submitting following documents/fees etc.

- (i) Scheme for pollution control including ETP, APCM and Hazardous Waste Management, if applicable.
- (ii) Site Plan/Layout Plan (Not applicable in case of industry located in approved industrial area).
- (iii) Project report.
- (iv) Memorandum of Articles/Partnership Deed.
- (v) NOC fee.
- (vi) Flow Chart and Manufacturing process.

The bank guarantee shall also apply to Ex-post facto NOC cases. The performance bond shall be refunded/retired at one fifth of the value after every year of successful adherence to the prescribed standards.

The projects that fall in Case-II category are as under:-

1. Manufacturing of Inorganic Chemicals (Acids, Alkali, Metallic Compound, HF, Zinc Sulphate, CPW, Indigo Blue, Zinc Silicate, Lime Pigments & Caustic Soda etc.)
2. Dyeing and Printing process of Cotton and Synthetic Textile Industry, garment units with washing process.
3. Manufacturing of lubricating oil/grease and refining of waste oil.
4. Glue and Gelatine industries (using raw bones or animal material and basic manufacturing of detergents)
5. Foundries less than 5 tones/hour.
6. Cardboard mills (except cottage industries)
7. Surgical Cotton Industries
8. Stone crushers & pulverisers (except consent to establish in cases of notified crushing zones) & Screening plants.
9. Hot-mix plants.
10. Slaughter Houses.
11. Sugar Industry <5000 TCD cane crushing capacity

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12. Explosives industry.
13. Industries involving electroplating, heat treatment involving cyanide baths, pickling & phosphating.
14. Plywood Industry
15. Forging /Rolling units
16. Mining activities < 5 hectares.
17. Brick Kilns
18. Fermentation Industries (Breweries & malt etc.)

Industry having boilers having capacity more than 5 tonnes per hour except boilers using LDO/HSD/gas as fuel provided they maintain stack height of 30 meters and use low sulphur fuel.

Note: Any other industry, if Authorities of the Board feel that such industries having pollution potential discharge of trade effluent/air emissions in excess of standards left uncovered, the same will be covered subsequently for Consent Management.

The NOC/consent to establish shall be granted/refused after examination at headquarters with the approval of the Chairman where the project cost is more than Rs 10 crore within one month of the submission of the above documents. The NOC/Consent to Establish cases under Water & Air Acts, having capital investment upto Rs. 10 (ten) crore of Case-II category of applicant units, shall be decided at the level of District Level Clearance Committees (DLCC) headed by Deputy Commissioner constituted under the Haryana Industrial Promotion Act, 2005 within 15 days and the NOC/Consent to establish shall be granted/refused by Regional Officer after approval of DLCC, except stone crushers to be set up in the zones notified by the State Government for which a State level Committee has already been notified. In case the meeting of the District Level Clearance Committee is not expected to be called within the period specified then the Regional Officer can obtain the approval of the Deputy Commissioner-cum-Chairman of the DLCC on file before issue of the No Objection Certificate (NOC)/ consent to establish and the decision should be ratified in the next meeting of the DLCC. The unit will submit application for Consent to establish in the office of GM,DIC and one copy in the office of Regional Officer, Haryana State Pollution Control Board.

The NOC so granted shall be valid for a period of two years or as mentioned in the project report whichever is earlier to be extended upto five years except for the Stone Crushers where the period will be as per Notification No. S.O.126 /C.A29 /86/S.5 & 7197 dated 18th December, 1997 issued by the Government of Haryana, Environment Department. For extension of NOC, units are required to deposit NOC fees on yearly basis.

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Case-III

In case of projects that are not covered by the categorisation specified in the EIA notification dated 14.9.2006 or 18 industries listed above and which have a high water consumption in excess of 25 KL per day, the applicant shall provide a performance bond in the form of a unconditional bank guarantee of 0.1% of the project cost along with a waste water treatment & recycling usage plan (no other documentation required) and an undertaking for adherence to prescribed standards. The bank guarantee shall also apply to Ex-post facto NOC cases. The NOC/Consent to establish cases of units, having capital investment above Rs. 10 (ten) crore shall be decided at the level of Chairman, HSPCB. The NOC/ Consent to Establish cases under Water & Air Acts, having capital investment upto Rs. 10 (ten) crore of Case-III category of applicant units, shall be decided at the level of District Level Clearance Committees (DLCC) headed by Deputy Commissioner constituted under the Haryana Industrial Promotion Act, 2005. The NOC/consent to establish shall be granted/refused within 15 days of the submission of the above documents by the Regional Officer with the approval of the District Level Clearance Committee. In case, the meeting of the District Level Clearance Committee is not expected to be called within the period specified then the Regional Officer can obtain the approval of the Deputy Commissioner-cum-Chairman of the DLCC on file before issue of the NOC/consent to establish and the decision could be ratified in the next meeting of the DLCC. The bank guarantee can be refunded/retired at one-half of the value after one year and full amount after two years of successful adherence to prescribed standards subsequent to the date of coming into production/operation of the project. The main emphasis shall be laid on treatment recycling/reuse of treated effluent. The NOC so granted shall be valid for a period of two years or as mentioned in the project report whichever is earlier to be extended upto five years. For extension of NOC units are required to deposit NOC fees on yearly basis.

Case -IV

All projects other than that specified in Cases I, II & III above need not obtain NOC/consent to establish prior to commencement of the project/ industry. However all such projects/industries shall be expected to adhere to the prescribed standards notified under the Water Act & Air Act. In order to secure the compliance to standards and to launch proceedings in case of default on sampling/testing, directions shall be issued under section 33-A of the Water Act & section 31-A of the Air Act (enclosed at **Annexure- A**).

II. Procedure Regarding Grant of Consent to Operate

The first consent to operate shall be issued in two parts.

- (i) Consent to operate for trial production.

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- (ii) Consent to operate for regular production.

The industrial units shall apply for consent to operate for trial production to the concerned Regional Office of the Board on the prescribed Common Consent Form under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 respectively along with documents as per check list given at **Annexure 'B'**. In case, the unit is covered under Hazardous Waste (Management & Handling) Rules, 1989, it shall simultaneously apply for the same.

Consent to operate for Trial Production

The Regional Officer after verification shall issue Consent to Operate for a period upto 1 to 3 months for trial production depending on the stabilization time required for ETP/APCM installed for each category of industries. There is no requirement of analysis report for consent to operate for trial production as Pollution Control Measures need some time for stabilization.

Consent to Operate for Regular Production

The powers of grant/refusal of consent to operate are delegated to a District Level Committee (Upper) headed by the Deputy Commissioner and District Level Committee (Lower) headed by Additional DC. The constitution of District Level Committee (Upper) is as under:-

Deputy Commissioner - Chairman
Additional DC - Vice Chairman
Divisional Forest Officer - Member
District Town Planner – Member
General Manager DIC – Member
Regional Officer - Member Secretary.

The quorum for the meeting shall be four members. The meeting of the committee shall be convened by the Deputy Commissioner and shall be regulated depending upon the pendency of the applications. In case Deputy Commissioner is unable to attend the meeting, he/she may authorize the Additional Deputy Commissioner to preside over the meeting in his/her absence.

This District Level Committee (Upper) is authorized to grant/ refuse Consent to Operate under Water & Air Acts and grant/refuse authorization under HWTM Rules in respect of applicant units of Case-II & Case-III categories having capital investment above Rs. 3 (three) crore and upto Rs.10 (ten) crore. Notwithstanding above the cases of Consent to Operate of Stone Crushers, Hot Mix Plants and Screening Plants, having capital investment upto Rs. 10 (ten) crore, will be decided by District Level Committee (Upper) headed by Deputy Commissioner.

A District level Committee (Lower) is constituted and authorized to grant/refuse consent to operate under Water & Air Acts and authorization under HWTM Rules, having capital investment upto Rs. 3 (three) crore in respect of Case-II & Case-III category applicant units, excluding those of Stone crushers, Hot Mix Plants & Screening Plants. The

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quorum of meeting of this committee shall be of two members. The composition of the committee is as under:-

Additional DC – Chairman, General Manger DIC – Member, Regional Officer - Member Secretary.

The periodicity of the meetings be regulated as per pendency of the applications. The above District Level Committee (DLC) shall also deal with the Consent to Establish cases of Construction Projects which are not covered under EIA Notification up to the investment cost of Rs. 10 (ten) crore.

All cases relating to Case-I and other industries/project having capital investment of more than Rs. 10 (ten) crore will be decided at the level of Head Quarters within one month.

After first consent, the new units are required to obtain consent to operate within the expiry period of first consent which shall be granted by the Regional Office after approval by the DLC/Head Office after thorough technical scrutiny. All the units are required to submit the consent application complete in all respect alongwith test report. Balance sheet duly certified by the C.A (without depreciation value), affidavit of no change of process and consent fee etc. alongwith the checklist of documents and cess return to the Regional Officer. The Regional Officer will forward the consent to operate cases of Case-I and case of more than Rs. 10 Crore complete in all respects within 7 days to the Head Office alongwith his recommendation.

Period of grant of consent to operate

		Category -A	Category -B	
			Min	Max
Case -I	Units covered under EIA Notification	2 years (As defined in EIA notification)	2 years (As defined in EIA notification)	3 years (As defined in EIA notification)
Case -II	18 categories of Industries defined above	2 years (Electroplating, Hot mix plants, Pulverisers, Screening plants, manufacturing of inorganic chemicals)	3 years (Other than units mentioned in case 2 Category A)	5 years (Other than units mentioned in case 2 Category A) (except stone crushers where period is 3 years)

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Case -III	Units having 25 Kilo Litres or more Trade effluent discharge	-	3 years	5 years
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The unit will supply analysis report once in every year i.e. by 30th April. The unit shall apply for consent in the Regional Office by the date as mentioned in the following schedule:-

<u>Sr. No.</u>	<u>Category</u>	<u>Date</u>
1.	Case I category of industries	1st February
2.	Case II & III	28 th February

There will be no need to submit an analysis report for small boilers having capacity upto 2 tonnes per hour of steam generated where LDO/HSD/Gas is used as fuel provided the unit has minimum stack height of 10 meters. The Ambient Air Quality report is required only in the cases of large and medium units of Case I categories of industries or where there are specific complaints in case water is used for cooling purpose and being re-circulated completely there would be no requirement of test report. In case, there is 25% or more increase in trade effluent discharge quantity from the corresponding figures of previous year, the unit is required to deposit fresh consent fee.

In case the industry is found to create conditions that generate any type of pollution in excess of the standards or if there is any objection/ complaint from the surrounding community & if on verification, it is found that such objection has some substance even after grant of NOC/Consent by the Board, the Board shall be at liberty to revoke/withdraw the NOC/Consent to operate already issued & to take 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 as considered appropriate.

HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR 6, PANCHKULA
Ph-2577870-73 E-mail: hspcb.pkl@sify.com

Directions under section 33-A of the Water (Prevention & Control of Pollution) Act, 1974 and section 31-A of the Air (Prevention & Control of Pollution) Act, 1981 regarding adherence to the prescribed standards laid down by the HSPCB from time to time under the provisions of the Water/Air Acts.

The following categories of industries are covered under consent management vide notification dated 24.7.1998. The matter was reviewed and re-examined in detail during Regional Officer's meeting held on 22.11.08 and 26.11.08 and it was felt that below mentioned categories of industries have low pollution potential & require installation of ETP/APCM and subject to inspection by the officers/officials of the Board, but these units shall remain out of consent management. In case these units do not install required pollution control devices (ETP/APCM) stringent action such as prosecution/closure shall be taken as per provisions of the environmental laws. This will apply to the following categories of units having effluent discharge less than 25 Kl/day. In case the discharge of effluent is 25 Kl/day or more than they are required to obtain consent to establish and consent to operate and come under consent management as per methodology mentioned in Case III.

1. Food Processing, Vanaspati & Oil refining process, solvent extraction plant, Vanaspati & Oil refining are required to provide multicyclone/wet scrubber and 100 feet stack.
2. Formulation of pharmaceuticals (not covered under EIA notification)
3. Manufacturing of tyres, tubes used for vehicles only, natural and synthetic rubber, Rubber reclaim etc.
4. Industries manufacturing Acetylene, Carbondioxide, etc.
5. Formulation of paint and varnish (above 5.00 lacs)
6. Food Processing, Milk Processing, Oil Processing units.
7. LPG Bottling Plant, Oxygen, Oxides of Nitrogen etc.
8. Any other industry having pollution potential & discharge effluent /air emissions in excess of the standards.

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Therefore, in view of above stated facts, the Board in exercise of powers conferred on it under section 33-A of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31-A of the Air (Prevention & Control of Pollution) Act, 1981 direct all above mentioned categories of units to provide structurally adequate pollution control devices (effluent treatment plant/Air pollution control measures) and adhere to the prescribed standards laid down by the Board from time to time under the Water and Air Acts. These units are also directed to submit a copy of analysis report by 30th April each year from any of recognized laboratories of the Board in respect of effluent/air emissions, as applicable to the Regional officers of the Board. The Regional officers shall follow the policy in above categories of industries as laid down by the Board from time to time.

CHECK LIST FOR CONSENT APPLICATION

- i) Name of unit
- ii) Common consent form
- iii) Index Site Plan
- iv) Detailed layout plan of different processes showing position of stacks/points of waste water discharge
- v) Certified copy of balance sheet
- vi) Process flow chart
- vii) Latest Analysis report /testing fee (required at the time of consent to operate)
- viii) Details of ETP/APCM existing and proposed
- ix) Proof of authorized signatory
- x) Consent fee
- xi) Affidavit for no change in process for no trade effluent/no air emission (Wherever applicable)
- xii) Sanction letter of sewer connection to be submitted in specific cases where there are complaints or objections raised by concerned department or the public.
- xiii) Sanction letter from the Irrigation Department for discharging effluent in drain/river/ water body (Applicable only in 17 and 19 category of industries discharging their effluent directly or indirectly into water bodies/river/canal systems).
- xiv) Memorandum of Article/Partnership Deed of firm.

Note:

1. All documents required in duplicate duly tagged in separate file cover.
2. Incomplete application will not be accepted.
3. Bank drafts drawn in favour of 'Haryana State Pollution Control Board' payable at Chandigarh.
4. All the papers must be duly signed by Authorized Signatory.

Status of Consent Cases under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 and pollution control measures

1 Status of Consent Applications

The details of the applications for consent to operate and consent to establish received & decided under the Water Act, 1974 and Air Act, 1981 for the year 2011-2012 are as follows:-

(i) Consent to operate:

Sr. No.	Act	Applied	Granted	Refused	Show Cause Notice
(a)	Water Act	3897	3442	453	2
(b)	Air Act	7558	6814	739	5

(ii) Consent to establish:

Applied	Granted	Refused	Show Cause Notice
1011	810	85	116

2 Status of Pollution Control Devices:

	Effluent Treatment Plant	Air Pollution Control Measure
A) Newly Installed	76	76
B) Cumulative figure as on 31.03.2012	2197	4832

Reorganization of Laboratories under Water Act, 1974 and Air Pollution Act, 1981.

The Board has recognized the following Laboratories under section 17 (2) of Water Act, 1974 and under section 17 (2) of Air Pollution Act, 1981 for carrying out analysis of Water effluent and Air Samples for facilitating the analysis work:-

Sr. No	Name of Lab
1.	The Central pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, Delhi-110032.
2.	The Pollution Control Analytical Laboratory, National Productivity Council, Utpadakta Bhawan, 5-6 Institutional Area, Lodhi Road, New Delhi-110003 (NPC).
3.	The Central Laboratory, National Fertilizers Ltd., Gohana Raod, Panipat-132106.
4.	The Quality Control Laboratory, Panipat Refinery Indian Oil Corporation Ltd., P.O. Panipat Refinery, Panipat- 132140.
5.	The Environmental Engineering & Pollution control Laboratory, Central Pulp & Paper Research Institute, Post Box No. 174, Paper Mills Road, Himmat Nagar, Saharanpur-247001 (U.P).
6.	The Environmental Engineering Laboratory, Northern India Textile, Research Association (NITRA), Sec-23, Rajnagar, Ghaziabad-201002.
7.	The Jawahar Lal Nehru University School of Environmental Sciences, New Delhi-110067.
8.	The National Physical Laboratory, Dr. K.S. Krishanan Marg, New Delhi.
9.	The Lab. Of Environmental/Civil Engg., Guru Jambheshwar University, Hisar.
10.	The Kurukshetra University, REC, Civil Engg. Department, Kurukshetra.
11.	The Punjab University, Centre for Environmental Studies, Chandigarh.

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12.	The Post Graduated Institute for Medical Science, Bio Chemistry Department, Chandigarh.
13.	The PWD Public Health, Ambala, Haryana.
14.	The C.R. State College of Engineering, Murthal, Sonapat.
15.	Laboratory of HSPCB at C-11, Sector -6, Panchkula.
16.	Laboratory of HSPCB(Haryana Pollution Control Board), Bay no. 7-8, Urban Estate-II, Hisar.
17.	Laboratory of HSPCB, Sector-16-A, Opp. HEWA Apartments, Fbd.
18.	Laboratory of HSPCB, Vikas Sadan, Near Court, Gurgaon.
19.	Bharat Heavy Electricals Ltd., Ranipur, Haridwar-249403.

Analysis of water, effluent & Air emission samples and Environmental Research

The Haryana State Pollution Control Board has established its own four laboratories at Panchkula, Faridabad, Gurgaon and Hisar. These Laboratories are well equipped for analysis of samples of Water effluent and Air emission. These laboratories are actively involved in analysis work and generating basic data that could be of major use for the betterment of Environment and can be used by the environmentalists as well as for the advanced research volunteered by the researchers. The Region wise status of various type of samples collected and analyzed by Board's Laboratories during 2011-12 is given as under:-

Region	No. of units for which water/effluent samples analyzed	No. of units for which air samples analyzed
Panchkula	70	67
Yamuna Nagar	170	387
Panipat	130	150
Sonepat	112	113
Faridabad	181	260
Ballabgarh	208	246
Gurgaon	408	132
Dharuhera	95	73
Bahadurgarh	150	283
Hisar	38	75
Total	1562	1786

4.1 Monitoring of water quality.

(i) National Water Monitoring Programme (NWMP) project:-

NWMP is a joint Centre/State project sponsored by the Central Pollution Control Board and Haryana State Pollution Control Board. Under this programme monitoring of Water Quality of major Water Bodies at 15 monitoring locations is carried out. Out of 15 stations 7 locations have been set up for WJC, 5 on Ghaggar River and one each for Braham Sarovar and Gurgaon Canal. The monitoring locations are given as under:-

1. GH-1: Ghaggar River at Sirsa-Dabwali Road.
2. GH-2: Ghaggar River at Chandpur Syphon.
3. WC-1: WJC near Yamuna Nagar, 100 mtrs-D/S after receiving industrial and sewage effluents.
4. WC-2: WJC near Uchana Lake, GT Road Karnal.
5. C-3: WJC, Delhi Branch. R.D. 245250.
6. C-4: WJC before entering Delhi Territory Delhi Branch.282628.
7. WC-6: Sirsa Branch at Road Bridge on Jind, Kaithal Road.
8. C-7: Delhi Parallel Branch at Khubru Fall, R.C.145250.
9. WC-4: Delhi Parallel Branch at Panipat distillery Discharge.
10. Braham Sarover, Kurukshetra, Near Temple.
11. Gurgaon Canal, GC-1 Starting Point near Badarpur border.
12. Monitoring Point at Kala Amb/DS Markanda River.
13. D/S Surajpur in Ghaggar River.
14. WJC at Tajewala.
15. Ghaggar before Ottu weir (before mixing of satluj canal water)

Quarterly samples are collected from above mentioned monitoring locations & analysis reports are submitted to the Central Pollution Control Board regularly.

The B.O.D results are reproduced in the following table: -

MINARS REPORT

S. No.	Name of Station	April, 11 mg/l	July, 11 mg/l	Oct, 11 mg/l	Jan, 12 mg/l
1	GH-I: Ghaggar River at Sirsa Dabwali Road	12.0	16.0	8.0	-

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2	GH-2: Ghaggar River at Chandpur Syphon.	6.2	12.0	18.0	-
3	WC-1: WJC near Yamuna Nagar, 100 mtrs-D/S after receiving industrial and sewage effluents	4.20	4.20	-	-
4	WC-2: WJC near Uchana Lake, GT Road Karnal	-	2.45	-	-
5	C-3: WJC, Delhi Branch, R.D.245250	1.55	1.45	-	-
6	C-4: WJC before entering Delhi Territory Delhi Branch. 282628	1.15	1.35	2.50	2.60
7	WC-6: Sirsa Branch at road bridge on Jind-Kaithal road.	-	2.60	-	-
8	C-7: Delhi Parallel Branch at Khubru Fall, R.C.145250	1.80	1.80	-	-
9	WC-4 Delhi Parallel Branch at Panipat distillery Discharge.	2.65	2.45	-	-
10	Braham Sarover, Kurukshetra	2.15	2.42	-	-
11	Gurgaon Canal, GC-1 Starting Point near Badarpur border.	38.0	18.0	26.0	-
12.	Monitoring point at Kala Amb/DS markanda river	535.0	4.45	115.0	185
13.	D/S Surajpur in Ghaggar River.	3.60	3.30	-	3.10
14.	WJC at Tajewala	0.92	0.98	-	-
15.	Ghaggar before ottu weir (before mixing of satluj canal water)	10.0	14.0	6.0	-

(ii) Interstate Pollution Stretches

In Addition to above the Board is monitoring stretches where Interstate Pollution problem exist.

Interstate pollution caused by Bhiwadi Industrial Area Rajasthan in Dharuhera region of Haryana

Industries located in Bhiwadi Industrial Area developed by Rajasthan Industrial Infrastructure Corporation (RIICO) is just 2 KM from Dharuhera town in Haryana. Partially treated / untreated trade effluent of Bhiwadi Industrial Area alongwith Sewage effluent of Bhiwadi town is travelling towards Haryana territory by natural gradient.

Interstate pollution caused by Parwanoo & Kala Amb Industrial Area of Himachal Pradesh

Untreated /partially treated effluent being discharged by Parwanoo Industrial Area & Kala Amb Industrial Area alongwith untreated sewage effluent of these towns in river Kaushalya and Markanda respectively affecting the water quality of river Ghaggar adversely. The matter regarding interstate pollution from Himachal Pradesh was taken up with the Central Pollution Control Board from time to time being interstate pollution problem.

Interstate pollution problem of river Yamuna due to discharge of partially / untreated effluent of Delhi

The water quality of river Yamuna when it passes through the State of Haryana upto Haryana Delhi Border at Vill. Palla remains well within the permissible limits as the BOD value ranges from 1.8 to 2.72 milligram per litre against the permissible limit of 3.0 milligram per litre. River Yamuna is getting polluted due to discharge of untreated/partially treated effluent of 22 drains of Delhi and one drain of Uttar Pradesh in river Yamuna in Delhi territory. The matter has been taken up with the Central Pollution Control Board and the Ministry of Environment & Forests, Govt. of India from time to time being interstate pollution problem.

Monitoring of Air quality

(I) **Manual Monitoring stations:** - The HSPCB has installed manual Ambient Air Quality Monitoring Stations at different locations in the State with the assistance of CPCB. The expenditure of these stations is financed by CPCB. The data so collected is sent to CPCB for compilation at National Level and same is published by CPCB. The status of Ambient Air Quality Monitoring Stations is as under :-

- (1) Escorts Research Centre, Mathura Road, Faridabad.
- (2) Ballarpur Ind. Ltd., Guest House, Yamuna Nagar.
- (3) Guru Jambheshwar University, Hissar.
- (4) Boards office complex in Urban Estate-II, Hissar.

The results obtained are given at **Annexure-'A'**.

(II) Continuous Ambient Air Quality Monitoring Station (CAAQMS)

A continuous Ambient Air Quality Monitoring Station has been set up at Faridabad for continuous analysis and data capture for various parameters such as Suspended Particulate Matter, Sulphur dioxide, Nitrogen Oxides of, Hydro-carbons, Carbon Monoxide, Benzene, Toluene Xylene etc. The continuous data of results is being displayed on highways for general awareness of masses. In addition to Faridabad, 3 continuous stations were proposed to be established at Gurgaon, Rohtak & Panchkula also. The necessary equipment for the installation of monitoring station has been procured and under installation during 2011-12.

The data of CAAQMS at Faridabad for the year 2011 (Average) is given as under :-

CO (mg/m3)	SO2 (µg/m3)	NO2 (µg/m3)	Ozone (µg/m3)	PM10 (µg/m3)	PM2.5 (µg/m3)	Benzene (µg/m3)	Toluene (µg/m3)	Xylene (µg/m3)
1.08	11.8	45.7	55.4	234	-	0.94	5.45	1.49

Cess collection under Water (Prevention and Control of Pollution) Cess 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 a Cess on water consumed by industries and by local authorities with a view to augment the resources of the Central Pollution Control Board and the State Pollution Control Boards. The Cess Act came into force with effect from 1st April, 1978. The local authorities defined under section 2 and industries under section 3 of the Cess Act are liable to pay the Cess.

During the year 2011-12 Cess amount of Rs. 5,14,91,793.98 has been collected and the Region wise detail is given as under :-

Name of the Region	Cess Assessed	Cess Collection
Hisar	49,45,703	29,99,375
Panchkula	42,78,564	58,31,553.80
Y.Nagar	1,02,29,313	62,45,124
Panipat	1,88,92,783	1,86,14,339
Sonepat	30,94,630	28,56,818.71
Bahadurgarh	27,87,963	30,39,293
Gurgaon	35,83,287	31,41,736.47
Faridabad	26,57,020	33,40,670
Ballabgarh	45,20,177	29,55,209
Dharuhera	28,46,932	24,40,096
Total	5,78,36,372	5,14,91,793.98

Hazardous Waste Management

(1) Integrated Common Hazardous Waste Treatment, Storage & Disposal Facility

A Common Treatment, Storage and Disposal Facility has been constructed & commissioned at Pali in District Faridabad in order to facilitate safe disposal of hazardous waste. It is estimated that **39495** MT of hazardous waste is generated annually by **1540** industries in the State. The Common Treatment Storage & Disposal Facility (TSDF) has started treating and disposing hazardous waste. The TSDF site will have an approximate capacity for receiving Hazardous Waste for the next 30 years.

(2) Authorization & Registration

a) Status of authorization as on 31.03.2012

No. of unit covered	Applied	Granted	Refused	Pending
1564	1489	1444	42	5 (73 unit closed)

b) Status of Traders importing hazardous waste on behalf of Actual users & registered with the Board during 2011-12 and total upto 31.03.2012

No. of units registered upto 31.03.2011	No. of units registered during 2011-12	Total no. of units registered upto 31.03.2012
12	7	12

c) Status of units registered with the Board for recycling/reprocessing of hazardous waste during 2011-12 and total upto 31.03.2012

No. of units registered upto 31.03.2011	No. of units registered during 2011-12	Total no. of units registered upto 31.03.2012
38	14	50

(3) Co-processing of Hazardous Waste

The Board is continuously pursuing industries for the co-processing of hazardous waste to recover valuable material and energy from the waste as per guidelines of the Central Pollution Control Board. The units generating Hazardous waste suitable for co-processing, has started to send their waste to cement plants to use as a fuel. This method of Co-processing is converting the waste into useful product and reduces the level on land fill site in CTDF. The Hazardous waste such as paint sludge and dyeing sludge is being co-processed in cement kilns.

Municipal Solid Waste Management

Status of Common Municipal Solid Waste Treatment & disposal facilities is given as under:-

Detail of CMSWTDF installed upto 31.03.2011		Detail of CMSWTDF installed during 2011-12		Detail of CMSWTDF installed upto 31.03.2012	
No's of CMSWTDF	Name of the Towns catered	No's of CMSWTDF	Name of the Towns catered	No's of CMSWTDF	Name of the Towns catered
2	Faridabad, Gurgaon, Sirsa	2	Faridabad, Gurgaon, Sirsa	2	Faridabad, Gurgaon, Sirsa

Bio Medical Waste Management

2406 hospitals/clinics has been covered under Bio Medical Waste (Management & Handling) Rules, 1998 in the State generating approx. 8114.91 MT of Bio-Medical Waste Yearly. The Board has granted authorization to 2364 health care facilities under Bio Medical Waste (M&H) Rules, 1998. The Govt. Hospitals generate major chunk of Bio-Medical Waste. The Board has issued authorization to 11 service providers which have already set up common facility for collection, transportation, treatment and disposal of Biomedical Waste as per provision of the Rules and detail of these service providers is given as under :-

Sr. No.	Name of Service Provider
1	M/s HAAT Supreme Wastech Pvt. Ltd., VPO- Bazida Jattan, Karnal.
2	M/s Vulcan Waste Management Pvt. Ltd., Gurgaon
3	M/s Synergy Waste Management (P) Ltd., Plot No. 168, Sector-27-28, HUDA, Industrial Area, Hisar.
4	M/s Divya Waste Management Co. VPO-Kandela, Distt. Jind
5.	M/s S.D. Bio Medical Waste Management Co., Rohtak.
6.	M/s Rudraksh Enviro Care, Vill. Bhadog, Distt. Ambala
7.	M/s Ess Kay Hygienic, Barwala, Panchkula8
8.	M/s Golden Eagle Waste Management Co., Faridabad.
9.	M/s Maruti Bio Medical Waste Plant, Bhiwani.
10.	M/s S.S. Waste Management Co., Palwal.
11.	M/s H.B. waste Management, Palwal.

Regulation of Plastic Carry Bags

Vide notification dated 3 January, 2011, the Haryana Govt. has prohibited the manufacture, distribution, stock, sale and use of plastic carry bags in the State and the use of all types of plastic articles such as plates, cups, tumblers, spoons, forks and straw has been banned in the following areas having special historical, religious, ecological significance:

- (i) Municipal Limits of Thanesar and Kurukshetra Towns.
- (ii) All Wildlife Sanctuaries and National Parks of Haryana.
- (iii) Gram Panchayat, Morni.
- (iv) Precincts of Mansa Devi Temple, Panchkula and Sheetla Mata Temple, Gurgaon.

Additional Authorities have been prescribed for effective implementation of the Notification viz District Magistrate, Additional District Magistrate, District Development and Panchayat Officer, Sub-Divisional Magistrate, City Magistrate, Executive Engineer, Public Health Engineering Department, District Food and Supplies Controller, District Town Planner, Estate Officer, Haryana Urban Development Authority, Block Development and Panchayat Officer, Tehsildar and Naib Tehsildar, Assistant Environmental Engineer/ Scientist-B, Haryana State Pollution Control Board, Executive Officer/Secretary, Municipal Council/Committee.

Regular checkings has been conducted by the officers of the HSPCB and other authorized officer as per provisions of the notification and challans has been issued against the 4047 violators of the notification given below.

Cloth/Jute bags were distributed among the general public on special occasions like World Environment Day, World Earth Day, World Water Day, World Wetland Day at all the District Head Quarters to discourage the use of plastic carry bags among the general public. The HSPCB distributed approximate 24140 jute/cloth bags during 2011-12. This has spreaded a positive message amongst the masses including school children, to stop the use of plastic carry bags .

Regulation in respect of non-burning of wheat stubble/paddy straw

- (i) The Board has organized extensive awareness programmes in all 119 block Head quarters of the districts regarding ill effects of burning of wheat stubble/paddy straw and the ban on burning, among general public, farmers, sarpanches and panches. The Board associated District Administration, Agriculture Department, Horticulture Department, Health Department, Panchayat Department etc. for spreading awareness on the subject. Chairman, HSPCB has personally attended the awareness programmes as Chief Guest in more than 25 programs organized at Block level.
- (ii) Posters got printed from the Printing & Stationery Department about the harmful effects of burning of Wheat stubble/ paddy straw alongwith remedial measures and have been displayed at prominent places in Villages/Panchayat Samities etc. for creating awareness among farmers.
- (iii) Radio Jingles also got prepared and relayed on AIR Chandigarh, Rohtak, Kurukshetra and Hisar (FM) from 15.2.2010 in local language for conveying message to the farmers more effectively.
- (iv) An advertisement on harmful effects of burning of wheat stubble/paddy straw along with remedial measures has been telecast from Doordarshan Kendra, Hisar.
- (v) The Board has also got prepared Short Documentary Film “Kuch Kehti Hai Purali” on ill-effects of burning of wheat stubble/paddy straw National Film Development Corporation, Delhi by National Film Development Corporation, Delhi.
- (vi) Awareness Programs organized by the Haryana State Pollution Control Board throughout the year with the help of Eco clubs and District Administration.
- (vii) A scheme for institution of awards for best performing block regarding non-burning of wheat stubble / paddy straw formulated by the HSPCB. The scheme has been approved by the Board and circulated to all DCs/ADCs, Agricultural and other Concerned Deptt. for implementation for the same.
- (viii) For the implementation of the provisions of the notification regarding prohibition on burning of wheat stubble/paddy straw/agriculture waste, the HSPCB launched prosecution cases against 19 defaulters in the Special Environment Courts during the year 2011-12.

Legal actions against the violators of Environmental Acts / Rules

1) Prosecution cases :-

Status of Prosecution cases filed, decided and pending against the units/ persons violated various Environmental Act/Rules during the year 2011-12 in the special Environment Courts is given as under:-

Sr. No.	Status of cases	Water Act	Air Act	Environment Protection Act	Total
(i)	Pending cases at the end of previous year(2010-11)	120	171	150	441
(ii)	No. of new cases filed	19	19	17	55
(iii)	No. of Cases decided	2	5	4	11
(iv)	No. of cases withdrawn	1	1	1	3
(v)	No of cases pending	136	184	162	482

2) Closure Action :-

Detail of closure action taken against the units detecting violating the provision of various Acts / Rules are as under:-

Sr. No.	Act	No of Violators
(i)	Water Act, 1974	227
(ii)	Air Act, 1981	180
(iii)	Environment (Protection) Act, 1986	2
	Total	409

Action Plans / Projects for Abatement of Pollution

1. Action Plan for Improving the AAQ of Faridabad Town.

The Hon'ble Supreme Court has ordered that the Action Plan may be prepared for Control of Pollution in cities which are highly polluting. The Faridabad Town has been identified as one of the 9 highly polluting cities where special facility has to be provided. Haryana State Pollution Control Board has prepared an Action Plan and Haryana Government has approved the same which has already been sent to Government of India for its implementation. The action Plan is being monitored at the State level by committee headed by the Chief Secretary to Haryana Govt. and District level Committee is headed by the Deputy Commissioner, Faridabad.

2. Shifting of Dyeing Units of Panipat from Non-conforming Area to Approved Industrial Area Developing by HUDA.

The major problem of Panipat town was pollution caused by textile dyeing units located in residential areas. Earlier, Textile dyeing units were discharging polluted effluent in Panipat drain or in Cess Pools resulting in degradation of environment in the city. Accordingly, the matter regarding shifting of dyeing units was taken up in the meeting of Environment Protection Council in the year 2001. As per the decision taken in the Environment Protection Council, Haryana Urban Development Authority was made nodal agency for planning & development of infrastructure for Sector-29, Part-II for shifting of dyeing units from residential area. As per the survey conducted by a team of officers comprising of SDM Panipat, Regional Officer, Panipat Pollution Control Board, GMDIC Panipat 494 units were identified which were located in residential area and were required to be shifted to an approved industrial Estate in Sector-29, Part-II.

Haryana Urban Development Authority (HUDA) prepared a project for shifting of all these textile dyeing units which were located in residential area to an approved industrial area in Sector-29, Part-II. Accordingly, industries were persuaded to shift to industrial. Estate, Sector-29, Part-II. Haryana Urban Development Authority has already set up one Common Effluent Treatment Plant of 21 MLD capacity in the first phase for treatment of combined effluent of textile dyeing units which have been shifted in the Industrial Estate, Sector-29, Part-II. At present, the first phase of Common Effluent Treatment Plant is receiving approx. 20 MLD effluent for treatment and has reached almost to its full capacity.

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There is a proposal of Haryana Urban Development Authority for installation of second unit of Common Effluent Treatment Plant of 21 MLD capacity.

3. Action Plan for critical pollution area.

Ministry of Environment & Forests, Govt. of India got carried out study during 2009 of the 88 industrial clusters across the country to find out the pollution status of these clusters. This study was carried out by Central Pollution Control Board (CPCB) & Indian Institute of Delhi (IIT Delhi). As a sequel to the above study, a Comprehensive Environmental Pollution Index was worked out on the basis of available data in each industrial cluster and assigned a Comprehensive Environmental Pollution Index (CEPI) score. Out of the 88 clusters studied, 43 clusters were having CEPI score of above 70 and have been identified as 'critically polluted clusters'. Faridabad industrial cluster with CEPI score of 77.07 was placed at 18th position and Panipat Industrial clusters with a CEPI score of 71.91 at 37th position in the order of severity of pollution level. Ankleshwar was the most critically polluted industrial cluster having 88.50 CEPI score.

Consequent upon the identification of critically polluted industrial clusters, Ministry of Environment & Forests, Govt. of India vide letter dated 13th January, 2010 had imposed moratorium on new developmental projects requiring Environmental Clearance in 43 industrial clusters. It was envisaged that during the period of moratorium, time bound action plans will be prepared by the respective State Pollution Control Boards for improving the Environment quality in these industrial clusters/ areas. The Action Plans so prepared would be finalized by the CPCB/ MOEF.

Accordingly, Action Plans for abatement of pollution in critically polluted town of Faridabad & Panipat were prepared by HSPCB in terms of guidelines given by the CPCB and same were submitted to CPCB. The In-house Committee of CPCB reviewed the Action Plans and after reviewing forwarded the Action Plans to the Ministry of Environment & Forests, Govt. of India.

The Action Plans were reviewed by the MOEF, GOI based on the inputs received from CPCB. In accordance with the information given by the Central Pollution Control Board to the MOEF that the State Pollution Control Boards and the local stake-holders have initiated some work on implementation of the submitted Action Plans, the MOEF, Govt. of India lifted the moratorium on consideration of projects for Environment Clearance in the industrial clusters of Faridabad & Panipat vide office memorandum dated 31st March, 2011.

The Central Pollution Control Board suggested that the State level and Local level Committees be constituted to review implementation of action points and regular follow up of implementation of action plans of the critically polluted areas.

As suggested by CPCB, the State Govt. constituted the State level Committee under the Chairmanship of the Chief Secretary to Govt. Haryana for reviewing the progress of implementation of the Action Plans of Faridabad & Panipat towns vide notification No.

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16/12/2011-3E dated 30.12.2011 and also constituted Dist. Level Committees for Faridabad & Panipat towns vide notification No. 16/12/2011-3E dated 19.1.2012. The Distt. Level Committee headed by Deputy Commissioner Faridabad & Panipat have conducted meeting to review the progress of implementation of Action Plan for critically polluted industrial clusters of Faridabad and Panipat. The meeting at Faridabad was held on 20.2.2013 & at Panipat on 30.4.2013 and instructions were issued to line departments to take action as per Action Plan in a time bound manner.

After taking up the matter at Distt. level Committee, latest status of action points where action is required to be taken by respective line departments have been prepared for critically polluted towns of Faridabad & Panipat separately, department wise for discussion during the meeting.

There are many issues on which action is still required to be taken by various line departments viz Public Health Engineering Department, Urban Local Bodies, Industries & Commerce, Haryana Urban Development Authority. Accordingly, DO letters were written to these departments by enclosing a copy of Action Plan for taking action relating to their department. Many actions have been taken by various Departments, but some actions are yet to be taken which are listed out department wise separately. Concerned Departments may be impressed upon for taking action relating to their department in a time bound manner, so that latest action taken report may be submitted to the Central Pollution Control Board.

Waste Minimization

(i) Clean and Advance Technology for waste Minimization

Clean Technology is an emerging field. Many industries have adopted clean technologies in the State to minimize the generation of pollutants right at the source, which is best option in the environment management. The end of pipe treatment is a costlier and cumbersome process. The category of which have adopted clean technology are electroplating, distillery, oil refining, used oil, basic drugs, textile dyeing etc. and list of such units operating in Haryana is given in **Annexure - B**.

(ii) Zero Discharge

All the eight distillery units of Haryana have installed Reverse Osmosis / Nano filtration/multiple effect evaporation system for achieving zero discharge in compliance of the directions of three members High Powered Committee constituted by Hon'ble Supreme Court of India. The Ministry of Environment & Forests, Govt. of India has appreciated the efforts of HSPCB for ensuring zero discharge in distillery units which are highly polluting in nature. The list of distillery units operating in Haryana State is given as under :-

Sr. No.	Name & address of the unit
1	N.V. Distilleries Ltd., Village Badholi, Tehsil. Naraingarh, Distt Ambala
2	M/s Haryana Organics, 4 th KM Stone, Chulkana road, Samalkha, Panipat
3	M/s Panipat Co-operative Sugar Mills (Distillery Unit), Gohana road, Panipat
4	M/s Frost Falcon Distilleries Ltd., Vill- Jahri, Sonapat
5	M/s Ashoka Distillires & Chemicals Pvt Ltd., Gehlab Road, Hathin, Palwal
6	Associated Distilleries Ltd., Bye Pass Road, Hisar
7	Haryana Distillery, 45, Industrial Area, Distt. – Yamuna Nagar
8	Piccadily Distillery, Bhadson, Indri, Karnal

Most of the distilleries which were using molasses as raw material have converted in to grain base distillery process.

Most of the construction and area development projects have adopted the zero liquid discharge concept by utilizing their trade effluent for horticulture purpose within their premises.

Environment Awareness

(i) Environmental Awareness and Public Participation

The meetings were held with various industrial associations and seminars with close collaboration of Members of Chamber of Commerce and Industry. The industries/local bodies are apprised of their statutory obligations under the provisions of any pollution Act. Board is also creating awareness among industrial circles regarding anti pollution Acts through exhibitions, posters and advertisement in leading news papers. The Regionwise detail of awareness programme conducted by Regional Officers are given as under:-

Name of the Region	World Water day /Wet land day 02.02.2011 &22.3.11	Earth day 22.4.2011	Env. Day 5.6.2011	International Ozone day 16.9.2011	Anticracker Rally	Plastic carry bag	Biodiversity day 23.05.2011	Total
Dharuhera	1	3	2	7	2	9	--	20
Yamuna Nagar	--	1	1	--	--	1	1	4
Faridabad	2	1	--	1	--	--	--	4
Hisar	--	1	1	1	--	2	--	5
Panipat	2	2	2	2	2	--	--	10
Sonepat	--	1	1	1	1	--	--	4
Gurgaon	--	1	1	1	1	--	--	4
Bahadurgarh	--	1	1	1	1	--	--	4
Panchkula	--	1	--	1	--	--	--	2
Ballabgarh	--	1	1	1	--	1	--	4
Total	5	13	10	16	7	9	1	61

(ii) Eco Clubs

Ministry of Environment and Forests, Government of India under National Green Corps (NGC) has setup Eco Clubs for creating awareness among school children and public for the Conservation and Protection of Environment. An environment calendar of events to be observed has been prepared and circulated to all the Regional Officers of the Board for

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conducting various activities on weekly basis through out the year in each district by coordinating with the District Education Officer in the State.

These Eco Clubs are functioning in the State of Haryana since 2001-02. There are total of about 5000 Eco Clubs in 21 districts in the State of Haryana. Each Eco Club is having 50 students with one eco club incharge teacher. There are 02 master trainers in each district.

Ministry of Environment & Forests, Government of India is providing grant-in-aid amounting to Rs. 2500/-per year per school for 5000 eco clubs in the State. Various activities relating to Environment are being carried out through these eco clubs. On main occasions like; World Environment Day, Wet Land Day, Earth Day, Ozone Day, etc., activities such as Rallies, Drawing / Essay Writing / Quiz competitions, tree plantation, awareness programs regarding abatement of pollution, discouraging use of plastic carry bags, ill effects of burning of wheat straw/ paddy straw are being carried out.

Environmental Training

The total workforce in the Board comprises of scientists, engineers, legal professionals, researchers provided with efficient support staffs with administrative and financial expertise. The Board aims to improve the performance of its technical personnel through various training and mass education programmes. It is necessary to have the officer trained from time to time and oriented for discharging their responsibilities smoothly and efficiently in areas, such as consent management, and implementation of effluent and emission standards. In addition, there is a need to improve the capabilities of persons working with Pollution Control Board. It is necessary that uniform methods of analysis of pollutants, consent granting and other activities are adopted and ensured through training for proper and effective implementation of the provisions of the Acts.

In order to update the Knowledge of the Board officials on various aspects of environmental issues, the Board deutes its officers and official for training courses of related fields organized by various Government and Non Government Organizations within India and abroad from time to time. The main object of these courses is to impart advance knowledge and training in pollution control measures and related fields which is useful for the Board in implementing programs and decisions more effectively. The list of training course/seminars/workshops organized/attended by the respective officers is at **Annexure-C**.

Accounts

(i) Detail of actual receipts of funds for the financial year 2011-12

Sr. No.	Head of Account	Actual Receipts
1	2	3
(Rs. in Lacs).		
1	Sample Testing Fee.	117.24
2	Water Consent Fee	425.42
3	Air Consent Fee	371.52
4	NOC Fees	169.48
5	Public Hearing	006.50
6	Authorization Fee/Recognition fee/ Appeal fee/Right to information fee/ Misc. receipt/sale of Staff car	218.62
7	Cess Receipts (from G.O.I.)	514.34
8	Interest on deposits	1363.77
9	Grant in Aid from Central Pollution Control Board (NWMP)	00.93
10	Grand -in-Aid from Central Govt. (Eco Clubs)	6.50
11	Grand -in-Aid from State Govt. (NGCP)	20.50
	Total	3214.82

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(ii) Detail of Actual Expenditure for the financial year 2011-12.

Sr. No.	Head of Account	Actual Receipts
1	2	3
	<u>Expenditure</u>	(Rs. in Lacs).
A	SALARIES	
	1. Salaries & Allowances.	1580.79
	2. Medical Allowance.	21.32
	3. Traveling Allowance	9.46
	Sub Total	1611.57
B	MAINTENANCE	
	1. Office Expenses and other Expenses	222.53
	2. Legal Expenses	10.19
	Sub Total	232.72
C	NON-RECURRING	
	1. Furniture & Fixture	0.25
	2. Office Machines & Equipments	7.84
	3. Computerization of office	20.49
	4. Vehicles	19.36
	5. Library Books and Journals & Computer Based information	0.05
	6. Lab. Equipments/Material/Expenses, Computer & Modive Expenses and Computer peripheral Stationery Expenses	57.62
	7. Eco Club /Environment Awareness	2.2
	Sub Total	107.81
D	LOANS & ADVANCES	
	1. Loans & Advances	398.65
	Sub Total	398.65
	Grand Total A+B+C+D =	2350.75

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Report regarding enquiries against the officers/officials of the Board.

No. vigilance enquiry pending against Class, I, Class III & Class IV employees of the Haryana State Pollution Control Board. Regarding Class-II officers, an enquiry No. 3/10 Panchkula against Sh. Viney Gill, Assistant Environmental Engineer of Haryana State Pollution Control Board is being conducted by State Vigilance Bureau, Haryana, Panchkula.

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Annexure 'A'-1

AMBIENT AIR QUALITY DATA FOR THE YEAR 2011-2012

1. Name of the Unit : Office Building Sec. 11/16A

2. Name of the Station: Faridabad Region

Month	SPM	RSPM	SO ₂	NO _x
April, 11	398	174	26	51
May, 11	411	183	28	53
June ,11	373	160	13	18
July, 11	360	153	15	17
August, 11	154	73	05	11
September, 11	295	132	06	19
October, 11	318	147	11	37
November, 11	366	184	12	35
December, 11	398	189	16	50
January, 12	404	200	17	51
February, 12	404	207	19	53
March, 12	392	194	09	37

Note:-

All the results are in $\mu\text{g}/\text{m}^3$

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Annexure 'A'-2

AMBIENT AIR QUALITY DATA FOR THE YEAR 2011-12

1. Name of the Unit : Escorts Research Centre, Mathura Road

2. Name of the Station: Faridabad

Month	SPM	RSPM	SO ₂	NO _x
April, 11	492	219	32	67
May, 11	501	224	35	68
June ,11	466	205	17	28
July, 11	460	200	15	27
August, 11	163	89	10	15
September, 11	320	148	14	23
October, 11	349	185	14	41
November, 11	414	215	18	47
December, 11	428	221	23	60
January, 12	439	231	21	63
February, 12	446	242	24	67
March, 12	451	256	15	49

Note:-

All the results are in $\mu\text{g}/\text{m}^3$

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Annexure 'A'-3

AMBIENT AIR QUALITY DATA FOR THE YEAR 2011-12

1. Name of the unit : Ballarpur Industry

2. Name of the Station : Yamuna Nagar Region

Month	SPM	RSPM	SO ₂	NO _x
April, 11	218.8	127.2	8.6	29.2
May, 11	259.7	200.1	13.0	30.2
June, 11	-	-	-	-
July, 11	-	-	-	-
August, 11	-	-	-	-
September, 11	-	-	-	-
October, 11	164.5	79.9	11.1	22.8
November, 11	320.7	233.4	15.0	28.0
December, 11	-	-	-	-
January, 12	-	-	-	-
February, 12	-	-	-	-
March, 12	-	-	-	-

Note:-

All the results are in $\mu\text{g}/\text{m}^3$

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Annexure 'A'-4

AMBIENT AIR QUALITY DATA FOR THE YEAR 2011-12

1. Name of the Unit : GJU
2. Name of the Station : Hissar Region

Month	SPM	RSPM	SO ₂	NO _x
April, 11	141	63.2	6.1	9.3
May, 11	126	53.2	5.3	7.9
June ,11	120	57.0	4.9	7.7
July, 11	130	63.2	5.2	7.2
August, 11	164.3	65.0	3.9	6.8
September, 11	127.0	82.0	2.3	6.0
October, 11	178	120.0	2.9	6.9
November, 11	143	90.0	3.0	7.2
December, 11	120	82.0	2.7	7.9
January, 12	140	73.6	4.9	9.5
February, 12	114	57.6	4.5	9.0
March, 12	127.4	50.3	6.8	7.3

Note:-

All the results are in $\mu\text{g}/\text{m}^3$

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Annexure 'A'-5

AMBIENT AIR QUALITY DATA FOR THE YEAR 2011-12

1. Name of the unit : Urban Estate-II

2. Name of the Station : Hissar Region

Month	SPM	RSPM	SO ₂	NO _x
April, 11	Instrument out of order			
May, 11	280	245.6	5.9	5.6
June ,11	165	129.8	6.8	6.1
July, 11	75	55	6.7	7.5
August, 11	73.3	55	5.9	6.9
September, 11	65.0	40	4.0	5.2
October, 11	144	150	6.1	6.8
November, 11	230	210	5.2	7.0
December, 11	202	180	5.7	6.9
January, 12	199	178	5.6	7.2
February, 12	124	84.2	5.6	5.8
March, 12	181.2	153.8	6.9	6.1

Note:-

All the results are in microgram/m³

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Annexure-B

List of Industries adopted Clean Technology

Sr. No.	Name & Address of the unit	Category of unit	Type of unit	Detail of clean technology	Achievement
1	M/s SAB Millar India Ltd., (Formerly M/s SKOL Breweries Ltd.,) G.T. Road, Murthal	Red	Brewery	ETP installed with ultra filtration & RO system, forced evaporation system	Approx. 75% of trade effluent reused for bottle washing, cooling towers, condensers, equipment washing & Floor washing etc.
2	M/s V.K. Organics Bhagpat- Khewra Road, Bahalgarh, Sonapat	Red	Dye & Dye Stuff	ETP installed with UF, RO, Hot Thermic fluid powered, Reject Evaporation system	Zero discharge
3	M/s Forest Falcon Distilleries Ltd., Vill-Jahri, Sonapat	Red	Distillery	ETP installed with decanter, MEE & screw mixer system	Zero discharge
4	M/s Roulunds Breaking (India) Pvt., Ltd.,(Unit-I), Vill-Liwaspur, Bahalgarh	Orange	Disc Brakes Pads	ETP with ultra filtration system installed	The treated effluent is reused in cooling tower & horticulture purpose.
5	M/s Roulunds Breaking (India) Pvt., Ltd.,(Unit-II), Vill-Liwaspur, Bahalgarh	Orange	Disc Brakes Pads	ETP with ultra filtration system installed	The treated effluent is reused in cooling tower & horticulture purpose.

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6	M/s Bhabani Pigments Pvt., Ltd., Sonapat-Rohtak Road, Kharkhoda	Red	Pigments	ETP installed with forced evaporation system	Partly treated effluent is reused in process & balance is evaporated through forced evaporation system.
7	M/s Minda Industries Ltd., G.T. Road, Rasoi	Red	Head lamp, Tail Lamp (Electroplating)	ETP installed with UF, RO system	Partly treated effluent is reused in process & balance is used in horticulture
8	Sterling Tools India Village- Prithla, Palwal	Red	Nut & bolts	ETP, R.O. and multi effect evaporator	Recycle/ reuse the effluent after treatment
9	Pooja Forge Ltd., (Unit-VI), 49.8KM, Mathura Road, Faridabad	Red	Phosphating	ETP & R.O.	100% recycle/ reuse the effluent after treatment
10	Ashoka Distillers & Chemicals Pvt. Ltd., Gehlab Road Hathin, Palwal	Red	Rectified spirit from Grain	ETP & R.O.	Recycle/ reuse the effluent after treatment
11	JCB India Ltd., 23/7 Mathura Road, Faridabad	Red	JCB machine	ETP & R.O.	Recycle/ reuse the effluent after treatment
12	Shri Ram Industries, Vill-Parnala, Distt. Jhajjar	Oil sludge	Recycler of used oil/waste oil	Adopted distillation process	-

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13	G.S. Bharat Oil Refinery, MIE, B/garh	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
14	Raghav Enterprises, MIE-B, B/garh	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
15	Sunrise Inds, Vill-Rohad, Distt. Jhajjar	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
16	Shruti Petrochem, Vill-Luharheri, Distt. Jhajjar	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
17	Bhagwati Inds. IDC, Rohtak	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
18	Sumit Chemical, IDC, Rohtak	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
19	Om Inds, Vill-Titoli, Distt. Rohtak	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
20	Haryana Oil Process, Kherisampla, Distt. Rohtak	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-
21	Shiv Oil Refinery, Kherisampla, Distt. Rohtak	Oil sludge	Recycler of used oil/waste oil	Adopted process	distillation	-

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22	Jakhar Trading Co, Vill-Dhanirwas, Distt. Jhajjar.	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
23	Krishna Industries, P.No. 58 & 58/1, MIE, Bahadurgarh	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
24	Leading Metals (P) Ltd, P. no. 35, Sec-16, HSIIDC, Bahadurgarh	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
25	Om Hari Om Enterprises, Village Sidhipur, Distt. Jhajjar	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
26	R.S. Enterprises, P. No. 914, MIE, Bahadurgarh	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-

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27	Abhishek Industries, 116-117, IDC, Distt. Rohtak.	Lead ash	Recycling /Reproce ss of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
28	ACE Metal, Vill. Kahnour, Rohtak.	Lead ash	Recycling /Reproce ss of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
29	Baba Metal Company, Village Baland, Distt. Rohtak	Lead ash	Recycling /Reproce ss of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
30	Deep Metal, Vill. Baland, Distt. Rohtak.	Lead ash	Recycling /Reproce ss of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
31	Giriraj Metal, P. No. 39, HSIIDC, Rohtak	Lead ash	Recycling /Reproce ss of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-

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32	Guru Nanak Enterprises, Singhpura Road, Distt. Rohtak	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
33	Master Metal, Vill. Baland, Distt. Rohtak	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
34	Odhav Met Trade (P) Ltd, Ismaila, Sampla, Distt. Rohtak.	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
35	Onkar Metal Inds, Village Baland, Distt. Rohtak	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
36	Shri Guru Nanak Auto Indl. Corpn., 169, IDC, Hissar Road, Distt. Rohtak	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-

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37	Shri Ram Industries, HSIIDC, Rohtak.	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
38	Jakhar Trading Co, Vill-Dhanirwas, Distt. Jhajjar.	Lead ash	Recycling /Reprocess of lead acid battery plates, ash, waste.	Adopted clean technology provided, bag filters, gravity chamber, cyclone	-
39	Shree Jagdambey Paper Mills, Sirsa	Paper Mill	Polluting unit	Zero discharge	Achieved
40	Jindal Stainless Ltd., (HRD), O.P. Jindal Marg, Hisar	HR strips	Polluting unit	Zero discharge	Achieved
41	Jindal Stainless Ltd., (CRD), O.P. Jindal Marg, Hisar	CR strips	Polluting unit	Zero discharge	Achieved
42	Associated Distilleries Ltd., Bye Pass Road, Hisar	Distilleries	Polluting unit	Zero discharge	Achieved

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Annexure-C

Detail of Training Programs / Workshops Attended by Officers / Officials of the Board during the year 2011-12.

Sr. No	Training Subject	Duration	Tentative Schedule	Training Institute	Name of the Officer
1	Environment Management Sponsored by DOPT, Govt. of India.	05 day	18-22 April, 2011	HIPA, Gurgaon	Sh. Ranbir Singh, SC-'B', Gurgaont
2	Workshop on Web Based Geographical Information System for Ganga River Basin under NGRBA	01 Day	22 April, 2011	Haridwar	Sh. Chand Saini, EE-II (HQ).
					Sh. Vinay Gautam, AEE(HQ).
					Sh. Rajinder Sharma, AEE Yamuna Nagar Region.
					Sh. Satinder Pal, AEE, Panipat Region
3	Focus on Clean Vehicle Technology & Fuels.	03 Days	18-20 May 2011	New Delhi	Sh.Nirmal Kashyap, AEE, Ballabgarh
4	Determination of Bacteriological analysis of Water and Waste Water sample	05 Day	Aug, 29-Sept, 02, 2011	EPTRI, Hyderabad	Sh. Uma Shankar, SC-B Sh. Ram Niwas JSA, Gurgaon

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5	Hazardous Waste Management and Remediation of Contaminated Sites	5 Day	September,19-23, 2011	CSE, Delhi	Sh. Ranbir Rathee, Sc B, Gurgaon
6	Workshop on Air Quality Criteria for good habitate	01 Day	23 September, 2011	Indian Association for Pollution Control, New Delhi	Sh. Ranbir Singh, SC-'B', Gurgaon
7	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Suraj Parkash
8	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Smt. Neelam Sharma.
9	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Gulab Singh
10	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Ramesh Kumar.
11	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Nanha Ram.
12	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Smt.Rakhi Sharma.
13	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Vakil Chand.
14	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Sanjay Kumar.
15	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Dev Raj Sharma, Supdt.
16	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Rajender Singh Dhaiya, Supdt.
17	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Smt. Lalita Khurana, Asstt.
18	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Smt. Rajinder Kaur, Asstt.
19	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Chet Ram, Asstt.

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20	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Karam Chand, Asstt.
21	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Mehar Chand, Asstt.
22	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. R.K. Ranga, Clerk
23	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Som Nath, Clerk
24	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Sher Chand, Clerk
25	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Sh. Yogesh Yadav, Clerk
26	Micro Soft Office and MS Excel	02 days	8-9 Oct,2011	HIPA Sec-16 PKL	Smt. Asha Joshi, Clerk
29	Managing Urban Air Quality: Focus on Clean Vehicle Technology & Fuels	02 days	7-9 November, 2011	CSE, Delhi	Sh. Kuldeep Singh, AEE, Faridabad.
30	Ambient Air and Stack Monitoring Technique	03 days	Nov, 07-09, 2011	IIT-Kanpur	Sh. Kamaljeet, AEE, Panchkula
31	Pollution Monitoring Techniques and Instrumentation	5 Day	November,14-18, 2011	CSE, Delhi	Sh. Narender Hooda, JSA, Faridabad Lab
32	Integrated Municipal Waste Management	03 days	Nov, 21-23, 2011	AMU, Aligarh	Sh. Chand Saini, E.E.(HQ)
33	Integrated Municipal Waste Management	03 days	Nov, 21-23, 2011	AMU, Aligarh	Sh. Dinesh Kumar, AEE, Yamuna Nagar
34	Management of MSW and Plastic Waste	02 days	8-9 Nov,2011	EPTRI, Hyderabad	Sh. Chand Saini, EE-II(HQ)
35	Management of MSW and Plastic Waste	02 days	8-9 Nov,2011	EPTRI, Hyderabad	Sh. J.P.Singh, AEE (HQ).

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36	Laboratory quality Management and internal audit	05 days	14-17 Nov.,2011	Electronic Test Engineering, Banglore.	Sh. Jai Bhagwan, Lab Incharge
37	Recent Trends in Environmental Monitoring & Control Strategies in petroleum & Petrochemical Industries	03 days	5-7, December,2011	IIT-Roorkee	Sh. Satinder Pal, AEE, Panipat
38	Recent Trends in Environmental Monitoring & Control Strategies in petroleum & Petrochemical Industries	03 days	5-7, December,2011	IIT-Roorkee	Sh. Vijay Chaudhary, AEE, Gurgaon
39	Water Quality Monitoring, Network Design, Sampling, Analysis and Quality Assurance	05 days	6-10 December, 2011	NIH, Roorkee	Sh. Shailender Arora, AEE, Bahadurgarh
40	Water Quality Monitoring, Network Design, Sampling, Analysis and Quality Assurance	05 days	6-10 December, 2011	NIH, Roorkee	Sh. Vinrender Punia, AEE, Panchkula
41	Urban Green-Nomination of Officers.	02 days	08-09, December,2011	New Delhi	Sh. Bhupinder Singh Chahal AEE, Sonapat.

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42	Website Designing & Management – PHP, MYSQL, JAVA	03 days	13-15 December, 2011	ESCI, Hyderabad	Sh. J.P.Singh, AEE (HQ).
43	Air Quality Management through source Apportionment	03 days	Dec, 21-23, 2011	TERI, Delhi	Sh. P.K.Sharma, AEE (HQ)
44	Air Quality Management through source Apportionment	03 days	Dec, 21-23, 2011	TERI, Delhi	Sh. Naveen Gulia, AEE, Gurgaon.
45	Developing Effective Communication Skill:- Essential of Noting/Drafting, Presentation of Files, Management of Information Systems Record Management	05 days	Jan, 9-13, 2011	DTC, Panchkula	Sh. Ramesh Kumar, Ranga, Clerk, Pkl.
46	Compliance to Zero Discharge norms in Distilleries – Technical Challenges & Solutions	05 days	Jan, 16-20, 2012	VSI, Pune	Sh. S.P. Rathi, RO Panipat
47	Compliance to Zero Discharge norms in Distilleries – Technical Challenges & Solutions	05 days	Jan, 16-20, 2012	VSI, Pune	Sh. Harish Chander, SC-B, Panchkula

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48	Financial Management in Govt. Deptts., Budgetary Mechanism Constitutional and Codal Provisions, Budget a tool of Administration and Control over Expenditure, Financial Rules and Accounting Procedure	03 days	Jan, 23-25, 2012	DTC, Panchkula	Sh. Rattan Singh, Accountant , Pkl.
49	Batteries and Electronic Waste Management	03 days	Jan, 23-25, 2012	EPTRI, Hyderabad	Sh. Vijay Chaudhary, AEE Gurgaon
50	Batteries and Electronic Waste Management	03 days	Jan, 23-25, 2012	EPTRI, Hyderabad	Sh. Rajinder Sharma, AEE, Yamuna Nagar
51	presenting officers & Inquiry Officers appointed under Punishment & Appeal Rules	02 days	Feb, 02-03, 2012	DTC, Panchkula	Sh. M.K. Chawla, Asstt., Pkl.
52	Biology in Pollution Mitigation (Sewage Treatment) through in situ Bioremediation and Bacteriophage	03 days	Feb, 13-15, 2012	IIT-Bombay	Sh. Sanjeev Kumar, AEE, Ballabgarh
53	Biology in Pollution Mitigation (Sewage	03 days	Feb, 13-15, 2012	IIT-Bombay	Sh. Gaurav Kakkar, JEE, Dharuhera

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	Treatment) through in situ Bioremediation and Bacteriophage				
54	Environmental Data Interpretation, Compilation Analysis, Presentation and Reporting	03 days	Feb, 22-24, 2012	ISI, Delhi	Sh. Dinesh Kumar, RO BahadurgarhSh.
55	Environmental Data Interpretation, Compilation Analysis, Presentation and Reporting	03 days	Feb, 22-24, 2012	ISI, Delhi	Balraj Singh, AEE, Dharuhera.
56	MS Excel generation of tables & charts etc. Internet-e-mail operations	02 days	Feb, 27-28, 2012	DTC, Panchkula	Sh. Dev Raj Supdt., Pkl.
57	office Automation Tools Computer Training on MS Word, MS Excel, MS Power Point & Internet .	02 days	Feb, 27-28, 2012	DTC, Panchkula	Sh. Hukam Chand, Steno . Pkl
58	Environmental Management of Mines.	5 Day	March,12-16, 2012	CSE, Delhi	Sh. J P Singh, AEE (HQ)
59	Proficiency Testing and Inter-Laboratory Comparison	03 days	Mar, 21-23, 2012	ISI, Delhi	Sh. Jai Bhagwan,

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60	Proficiency Testing and Inter-Laboratory Comparison	03 days	Mar, 21-23, 2012	ISI, Delhi	Sh. Aparnesh, JSA, Hisar
61	One day Workshop on "Right to Information Act, 2005	01 day	27-Mar-12	DTC, Panchkula	Sh. Rajinder Dahiya, Supdt, Pkl.