

ANNUAL REPORT 2013-2014

Uttarakhand Environment Protection & Pollution Control Board
29/20 Nemi Road, Dalanwala, Dehradun

पर्यावरण संरक्षण में आप भी सहयोग कर सकते हैं।

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1.0 INTRODUCTION

The Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) is a statutory Organization constituted under the section 4 of the Water (Prevention and Control of Pollution) Act, 1974.

The UEPPCB came into existence on 1st May 2002 and functioning through its Head Office at Dehradun along with its four Regional Offices, namely at Dehradun, Roorkee, Kashipur and Haldwani. UEPPCB has always endeavoured to stride a rational balance between economic growth and environmental conservation. The Board has been entrusted with the powers and functions under the Water (Prevention and Control of Pollution) Act 1974. Subsequently the implementation of Water (Prevention and Control of Pollution) Cess Act, 1977; Air (Prevention and Control of Pollution) Act, 1981; Environment Protection Act (1986) and the Public Liability Insurance Act, 1991 was also entrusted to the State Board. The primary objective of all these Acts is for maintaining, restoring and conserving the wholesomeness of quality of environment and prevention of hazards to human beings, terrestrial and aquatic flora and fauna. The involvement of the State Board begins right from planning comprehensive programmes for the prevention, control or abatement of pollution, advising state Govt. relating to environmental aspects, collecting and disseminating of information related to Environment protection and enforcing various provisions of the above Acts to keep the State's environment in a healthy condition.

The major components of the environmental legislation presently existing in the country and being followed by the UEPPCB are as follows:

- The Water (Prevention & Control of Pollution) Act, 1974,
- The Water (Prevention & Control of Pollution) Cess Act, 1977;
- The Air (Prevention & Control of Pollution) Act, 1981,
- The Environment (Protection) Act, 1986,
 - The Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 1989 as amended 2003;
 - The Bio-Medical Wastes (Management & Handling) Rules, 1998 as amended 2000;
 - The Municipal Solid Wastes (Management & Handling) Rules, 2000;
 - The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989;
 - The Plastics Manufacture, Sale & Usage Rules, 1999;
 - The Noise Pollution (Regulation & Control) Rules, 2000;
 - The Batteries (Management & Handling) Rules, 2001;
- Public Liability Insurance Act, 1991.

1.1 Functions of Uttarakhand Environment Protection & Pollution Control Board

The functions of State Board under Air (Prevention & Control of Pollution) Act, 1981

1. Subject to the provisions of this Act, and without prejudice to the performance of its functions, if any, under the Water (Prevention and Control of Pollution) Act, 1974, the functions of the State Board shall be –
 - a) To plan a comprehensive programme for the prevention, control or abatement of air pollution and to secure the execution thereof;
 - b) To advise the State Government on any matter concerning the prevention, control or abatement of air pollution;
 - c) To collect and disseminate information relating to air pollution;

- d) To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programmes relating to prevention, control or abatement of air pollution and to organize mass education programme relating thereto;
 - e) 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;
 - f) To inspect air pollution control areas at such intervals as it may think necessary, assess the quality of air therein and take steps for the prevention, control or abatement of air pollution in such areas;
 - g) 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 into the atmosphere from industrial plants and automobiles or for the discharge of any air pollution into the atmosphere from any other source whatsoever not being a ship or an aircraft:
Provided that different standards for emission may be laid down under this clause for different industrial plants having regard to the quantity and composition of emission of air pollutants into the atmosphere from such industrial plants;
 - h) To advise the State Government with respect to the suitability of any premises or location for carrying on any industry which is likely to cause air pollution;
 - i) 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;
 - j) 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 purposes of this Act.
2. A State Board may establish or recognize a laboratory or laboratories to enable the State Board to perform its functions under this section efficiently.

The functions of State Board under Water (Prevention & Control of Pollution) Act, 1974

1. Subject to the provisions of this Act, the functions of a State Board shall be –
 - a) to plan a comprehensive programme for the prevention, control or abatement of pollution of streams and wells in the State and to secure the execution thereof;
 - b) to advise the State Government on any matter concerning the prevention, control or abatement of water pollution;
 - c) to collect and disseminate information relating to water pollution and the prevention, control or abatement thereof;
 - d) to encourage, conduct and participate investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
 - e) to collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programmes relating to prevention, control or abatement of water pollution and to organise mass education programme relating thereto;
 - f) to inspect sewage or trade effluents, works and plants 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 this Act;

- g) to lay down, modify or annual effluent standards for the sewage and trade effluents and for the quality of receiving waters (not being water in an inter-State stream) resulting from the discharge of effluents and to classify waters of the State;
 - h) to evolve economical and reliable methods of treatment of sewage and trade effluents, having regard to the peculiar conditions of the soils, climate and water resources of different regions and more especially the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
 - i) to evolve methods of utilization of sewage and suitable trade effluents in agriculture;
 - j) to evolve efficient methods of disposal of sewage and trade effluents 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;
 - k) to lay down standards of treatment of sewage and trade effluents to be discharged into any particular stream 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;
 - l) to make, vary or revoke any order-
 - (i) for the prevention, control or abatement of discharges of waste into streams or wells;
 - (ii) 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;
 - m) 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 effluents;
 - n) to advise the State Government with respect to the location of any industry the carrying on of which is likely to pollute a stream or well;
 - o) 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.
2. The Board may establish or recognize a laboratory or laboratories to enable the Board to perform its functions under this section efficiently, including the analysis of samples of water from any stream or well or of samples of any sewage or trade effluents.

2.0 Constitution of the Board

The Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) is comprising of followings members :-

1. Principal Secretary, Forest & Environment Department	Chairman
2. Principal Chief Conservator of Forest	Member
3. Additional Secretary, Urban Development Department	Member
4. Additional Secretary, Industrial Development	Member
5. Chief Engineer, Jal Nigam	Member
6. Mukhya Nagar Adhikari, Nagar Nigam, Dehradun	Member
7. Mukhya Nagar Adhikari, Nagar Nigam, Haridwar	Member
8. Administrator, Nagar Palika, Kashipur	Member
9. Vice Chairman, Mussoorie Dehradun Development Authority	Member

10. Vice Chairman, Haridwar Development Authority	Member
11. Member of Uttarakhand Chamber of Commerce	Member
12. Sh Jagdish Dhiman, Parshad Nagar Nigam	Member
13. Smt. Beena Bisht, Parshad Nagar Nigam	Member
14. Sh. Kushlanand Joshi, Advocate	Member
15. Sh. Vinod Singhal, IFS	Member Secretary

2.1 उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड की दिनांक 25.03.2013 को सम्पन्न हुयी 15वीं बैठक का कार्यवृत्त

उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड की 15वीं बैठक दिनांक 25.03.2013 को वन विभाग के मन्थन सभागार में अध्यक्ष, उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड की अध्यक्षता में सम्पन्न हुयी बैठक में निम्न सदस्य उपस्थित थे :-

1. श्री एस0 रामास्वामी, प्रमुख सचिव वन एवं पर्यावरण/अध्यक्ष, उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड।
2. श्री एम. सुन्दरम, उपाध्यक्ष, मसूरी देहरादून विकास प्राधिकरण, देहरादून।
3. श्री मोनिश मलिक, मुख्य वन संरक्षक, प्रमुख वन संरक्षक के वन विभाग के प्रतिनिधि।
4. श्री जी.एस. रावत, सचिव, उपाध्यक्ष हरिद्वार विकास प्राधिकरण, हरिद्वार के प्रतिनिधि।
5. श्री योगेन्दर सिंह, मुख्य अभियन्ता पेयजल निगम, देहरादून।
6. डा0 गुरपाल सिंह, मुख्य स्वास्थ्य अधिकारी, नगर निगम, देहरादून मुख्य नगर अधिकारी के प्रतिनिधि।
7. श्री पंकज गुप्ता, अध्यक्ष, इण्डस्ट्रीज एसो. आफ उत्तराखण्ड, उत्तराखण्ड चैम्बर आफ कार्मस के प्रतिनिधि।
8. डा0 हर्ष वर्धन मिश्रा, उप नगर अधिकारी, नगर निगम, हरिद्वार, मुख्य नगर निगम हरिद्वार के प्रतिनिधि।
9. श्री विनोद सिंघल, सदस्य सचिव, उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड।

बोर्ड बैठक में प्रस्तावित कार्य सूची के बिन्दुओं पर विचारविमर्श कर सर्वसम्मति से निम्नलिखित निर्णय लिये गये :-

1. बोर्ड द्वारा निर्णय लिया गया कि राज्य बोर्ड के कार्यालय भवन एवं प्रयोगशाला के निर्माण में ग्रीन बिल्डिंग कन्सेप्ट के आधार पर किया जाये।
2. बोर्ड बैठक में निर्णय लिया गया कि उत्तराखण्ड राज्य बोर्ड "Uttarakhand Environment Awareness Conclave" का आयोजन करें जिसमें पर्यावरण के संबंध में विभिन्न पहलुओं को सम्मिलित किया जाये।
3. बोर्ड द्वारा यह भी निर्णय लिया गया कि राज्य बोर्ड के विभिन्न स्रोतों से आय पर इन्कम टैक्स में छूट प्राप्त करने हेतु कार्यवाही की जाये।
4. बोर्ड के सदस्य सचिव, प्रथम श्रेणी अधिकारियों एवं क्षेत्रीय अधिकारियों को वित्तीय अधिकार को क्रमशः 50 हजार एवं 3 लाख तक बढ़ाया गया।

5. बोर्ड द्वारा देहरादून में Continuous Ambient Air Quality Monitoring Station स्थापित किये जाने पर सहमति दी गयी।
6. बोर्ड द्वारा राज्य बोर्ड की सेवा नियमावली को राज्य के विधि विभाग से राय लेने हेतु राज्य सरकार को प्रेषित करने का निर्णय लिया गया।
7. अध्यक्ष, राज्य बोर्ड द्वारा बैठक में निर्देश दिया गया कि उत्तराखण्ड राज्य हेतु प्रत्येक वर्ष स्टेट ऑफ एन्वायरमेन्ट रिपोर्ट तैयार किया जाये एवं जल उपकरण मद में प्राप्त धनराशि को पर्यावरण संरक्षण के लिए खर्च किये जाने का प्रस्ताव बोर्ड की अगली बैठक में प्रस्तुत करने का भी निर्देश दिया गया।
8. अध्यक्ष, राज्य बोर्ड द्वारा बैठक में यह भी निर्देश दिया गया कि राज्य प्रदूषण नियंत्रण बोर्ड, नगर निगम एवं स्वास्थ्य विभाग के अधिकारियों का एक समिति का गठन किया जाये जो कि नगर निकायों अस्पतालों में सफाई कर्मचारियों एवं सुपरवाइजर को ठोस अपशिष्ट प्रबन्धन के संबंध में प्रशिक्षण कार्यक्रम आयोजित करेगा तथा निकायों एवं अस्पतालों में उन कर्मचारियों एवं सुपरवाइजरों को पुरस्कृत किये जाने कि व्यवस्था करेगा, जिनके द्वारा उत्कृष्ट कार्य किया गया हो।
9. बोर्ड द्वारा यह भी निर्णय लिया गया कि मसूरी देहरादून विकास प्राधिकरण, नगर निगम एवं राज्य प्रदूषण नियंत्रण बोर्ड आपस में मिलकर प्रथम चरण में ईस्ट कैनाल रोड को ग्रीन रोड के तर्ज पर विकसित करेंगे।

3.0 Monitoring Network for Air and Water Quality.

3.1 Water Quality Monitoring Programme.

The Board is responsible for restoration and maintenance of wholesomeness of aquatic resources in the state and to ensure that water quality is being maintained or restored at desired level. The Board regularly monitors water quality with the following objectives:

- To enable rational planning of pollution control strategies and their prioritization.
- To assess the nature and extent of pollution control needed in different water bodies or their part.
- To evaluate effectiveness of pollution control measures already in existence
- To evaluate water quality trend over a period of time
- To assess the fitness of water for different uses

The Central Pollution Control Board under the National Programme "Monitoring of National Aquatic Resources" (MINARS) is sponsoring the water quality monitoring of major rivers of the State. Under the water quality-monitoring programme Board is continuously monitoring the river water quality and Lakes. At present thirteen water quality-monitoring stations have been identified on river Alaknanda, Bhagirathi, Mandakani and Ganga. The characteristics of river water quality and lakes are shown in Table :

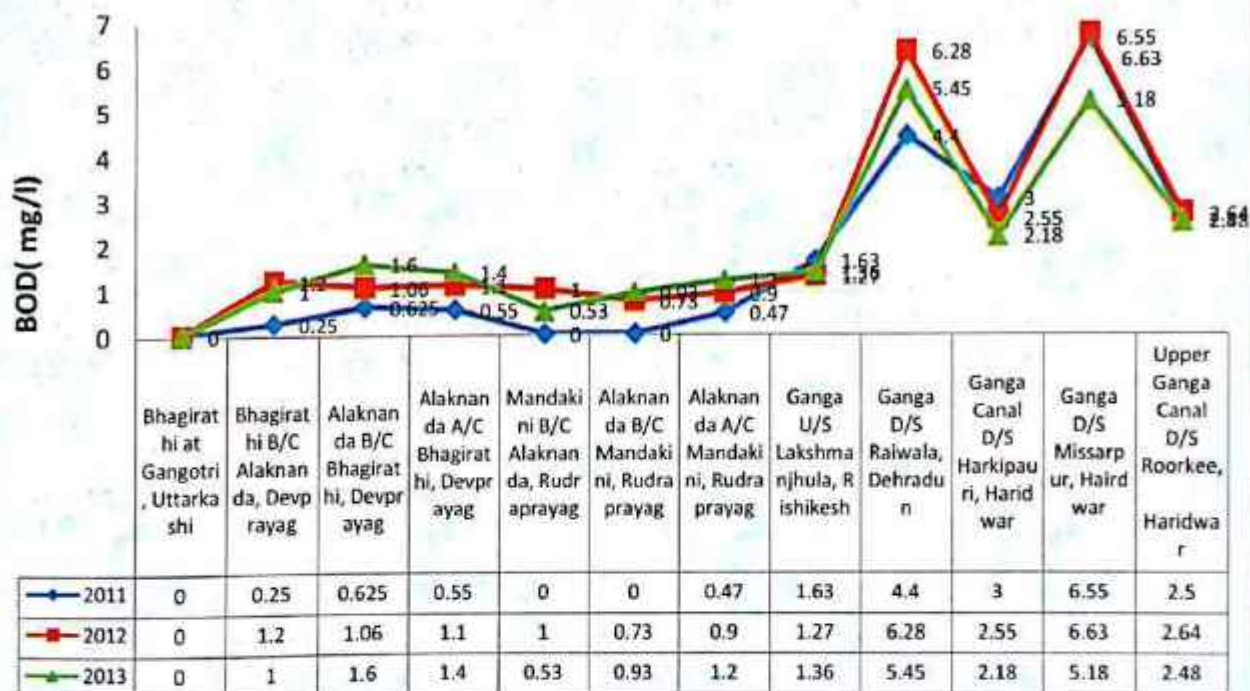
Characteristics of water quality of river in Uttarakhand (2013-14)

Month	Station	Temp ° C	pH	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Apr-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	8.5	8.4	2.4	50
	River Ganga D/S Missarpur Haridwar	-	7.8	6.4	7.8	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	-	8.3	8.4	2.4	140
	River Suswa D/S Mathurawala, Dehradun	27	7.9	2.4	32	>1600
	River Ganga D/S Raiwala, Dehradun	21	8.1	8.0	5.2	>1600
	River Ganga U/S Lakshmanjhula	18	8.0	9.2	1.2	26
	River Bhagirathi B/C Alaknanda Devprayag	17	8.6	9.2	0.4	Nil
	River Alaknanda B/C Bhagirathi Devprayag	18	8.2	8.8	1.6	Nil
	River Alaknanda A/C Bhagirathi Devprayag	17	8.4	8.8	1.2	Nil
	River Alaknanda B/C Mandakini Rudraprayag	17	7.8	8.8	0.8	Nil
	River Mandakini B/C Alaknanda Rudraprayag	16	8.2	8.6	0.2	Nil
	River Alaknanda A/C Mandakini Rudraprayag	17	8.0	8.0	0.8	Nil
	River Yamuna U/S Lakwar Dam Dehradun	19	8.5	8.4	2.0	Nil
	River Yamuna U/S Dakpathar Dehradun	17	8.2	8.0	1.2	21
	River Yamuna at Yamunotri	3.0	7.8	8.4	Nil	Nil
	River Yamuna D/S Saynachati	8.0	8.2	8.8	Nil	Nil
	River Bhagirathi at Gangotri	7.0	8.4	8.8	Nil	Nil
May-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	7.9	8.4	2.4	90
	River Suswa D/S Mathurawala, Dehradun	30	7.8	2	44	>1600
	River Ganga D/S Raiwala, Dehradun	23	7.7	6.4	3.6	>1600
	River Ganga U/S Lakshmanjhula	18	7.9	8.8	1.2	33
	River Ganga D/S Missarpur Haridwar	-	7.6	6	6.4	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	-	8	8.8	2.8	170
Jun-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	8.29	6.2	2.2	240
	River Ganga D/S Missarpur Haridwar	-	8.32	5.6	3	900
	Upper Ganga Canal D/S Roorkee Haridwar	-	-	-	-	-
	River Suswa D/S Mathurawala, Dehradun	26	7.8	3.6	22	>1600
	River Ganga D/S Raiwala, Dehradun	22	8.14	6.8	4.4	900
	River Ganga U/S Lakshmanjhula	21	7.96	7.4	1.8	110
Jul-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	8.4	7.4	1.6	130
	River Ganga D/S Missarpur Haridwar	-	8.2	6.6	2.8	500
	Upper Ganga Canal D/S Roorkee Haridwar	-	8.3	7.2	1.2	280
	River Suswa D/S Mathurawala, Dehradun	27	7.6	6.4	17	>1600
	River Ganga D/S Raiwala, Dehradun	22	8	7.2	2	300
	River Ganga U/S Lakshmanjhula	21	7.9	7.6	1.2	27
	River Bhagirathi B/C Alaknanda Devprayag	20	8.4	7.4	1.8	Nil
	River Alaknanda B/C Bhagirathi Devprayag	19	8.7	7.6	2	Nil
	River Alaknanda A/C Bhagirathi Devprayag	20	8.5	7.6	2	Nil
	River Alaknanda B/C Mandakini Rudraprayag	19	8.3	7.8	1	Nil
	River Mandakini B/C Alaknanda Rudraprayag	18	8.4	7.4	0.6	Nil
	River Alaknanda A/C Mandakini Rudraprayag	19	8.4	7.6	1.6	Nil
	River Yamuna U/S Lakwar Dam Dehradun	23	7.8	5.2	1.6	Nil
	River Yamuna U/S Dakpathar Dehradun	23	7.9	6	2	Nil

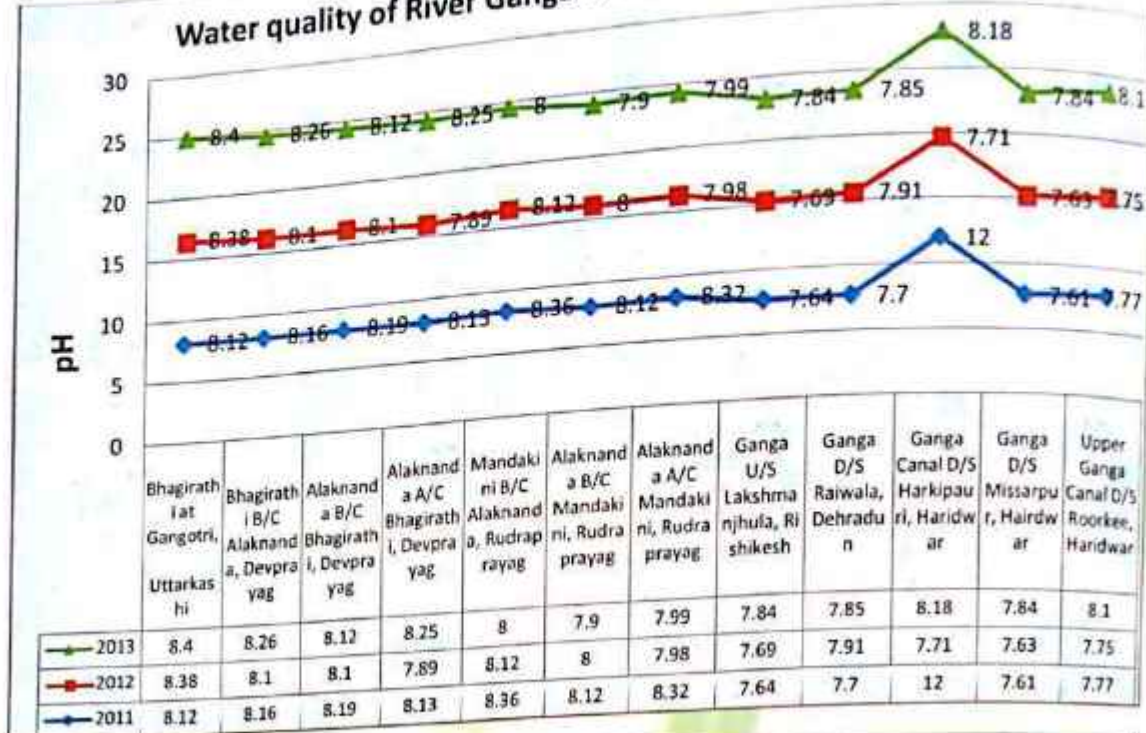
Aug-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	8.5	7.8	2.4	70
	River Ganga D/S Missarpur Haridwar	-	8.1	6.8	4.4	900
	Upper Ganga Canal D/S Roorkee Haridwar	-	8.2	7.2	2.6	220
	River Suswa D/S Mathurawala, Dehradun	26	7.8	6.2	14	>1600
	River Ganga D/S Raiwala, Dehradun	22	8.2	6.8	2.4	500
	River Ganga U/S Lakshmanjhula	20	8.1	8	1.6	15
Sep-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	8.2	8.2	2.2	90
	River Ganga D/S Missarpur Haridwar	-	7.7	6.2	4.8	900
	Upper Ganga Canal D/S Roorkee Haridwar	-	7.9	7.8	3	240
	River Suswa D/S Mathurawala, Dehradun	25	7.6	4.6	19	>1600
	River Ganga D/S Raiwala, Dehradun	21	7.8	6.8	2.8	900
	River Ganga U/S Lakshmanjhula	19	7.9	8.6	1.8	21
Oct-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	-	-	-	-
	River Ganga D/S Missarpur Haridwar	-	-	-	-	-
	Upper Ganga Canal D/S Roorkee Haridwar	-	-	-	-	-
	River Suswa D/S Mathurawala, Dehradun	-	-	-	-	-
	River Ganga D/S Raiwala, Dehradun	-	-	-	-	-
	River Ganga U/S Lakshmanjhula	-	-	-	-	-
	Upper Ganga Canal D/S Harki Pauri Haridwar	-	-	-	-	-
	River Bhagirathi B/C Alaknanda Devprayag	-	-	-	-	-
	River Alaknanda B/C Bhagirathi Devprayag	-	-	-	-	-
	River Alaknanda A/C Bhagirathi Devprayag	-	-	-	-	-
	River Alaknanda B/C Mandakini Rudraprayag	-	-	-	-	-
	River Mandakini B/C Alaknanda Rudraprayag	-	-	-	-	-
Nov-13	Upper Ganga Canal D/S Harki Pauri Haridwar	-	7.66	8.2	1.6	220
	River Ganga D/S Missarpur Haridwar	-	7.88	7.8	2.2	900
	Upper Ganga Canal D/S Roorkee Haridwar	-	7.76	8	2	350
	River Suswa D/S Mathurawala, Dehradun	24	7.63	1.8	30	1600
	River Ganga D/S Raiwala, Dehradun	24	7.42	7.4	13	1600
	River Ganga U/S Lakshmanjhula	18	7.77	8.8	1.6	14
Dec-13	Upper Ganga Canal D/S Harki Pauri Haridwar	14	8.2	8.8	2.8	130
	River Ganga D/S Missarpur Haridwar	19	7.6	5.6	4.4	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	15	8.2	8.2	2.4	500
	River Suswa D/S Mathurawala, Dehradun	21	7.8	3.6	36	>1600
	River Ganga D/S Raiwala, Dehradun	16	7.5	6.6	11	>1600
	River Ganga U/S Lakshmanjhula	12	7.3	9.2	1.4	23
Jan-14	Upper Ganga Canal D/S Harki Pauri Haridwar	14	7.84	9	2.2	140
	River Ganga D/S Missarpur Haridwar	16	8.1	6	4.4	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	16	7.8	8.8	2.6	300
	River Suswa D/S Mathurawala, Dehradun	17	7.42	2.8	32	>1600
	River Ganga D/S Raiwala, Dehradun	14	7.89	6.2	11	>1600
	River Ganga U/S Lakshmanjhula	11	7.34	9.1	1.3	26
	River Yamuna U/S Lakwar Dam Dehradun	13	8.21	8.6	1.8	2
	River Yamuna U/S Dakpathar Dehradun	14	8.05	8	2.2	11
	River Alaknanda A/C Mandakini Rudraprayag	11	7.5	9.8	1.8	Nil
	River Mandakini B/C Alaknanda Rudraprayag	11	7.46	9.6	1.2	Nil
	River Alaknanda B/C Mandakini Rudraprayag	10	7.58	10.2	1.4	Nil
	River Alaknanda A/C Bhagirathi Devprayag	12	7.62	10	1.4	Nil

Feb-14	River Alaknanda B/C Bhagirathi Devprayag	12	7.56	9.8	1.8	Nil
	River Bhagirathi B/C Alaknanda Devprayag	12	7.67	10.8	1.4	Nil
	Upper Ganga Canal D/S Harki Pauri Haridwar	14	7.52	8.8	1.8	170
	River Ganga D/S Missarpur Haridwar	15	7.58	6.4	4.8	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	16	7.64	8.2	2.2	280
	River Suswa D/S Mathurawala, Dehradun	17	7.57	2.6	40	>1600
	River Ganga D/S Raiwala, Dehradun	16	7.82	7	10	>1600
	River Ganga U/S Lakshmanjhula	12	7.31	8.9	1.1	34
Mar-14	Upper Ganga Canal D/S Harki Pauri Haridwar	17	7.86	8.6	2.2	170
	River Ganga D/S Missarpur Haridwar	26	7.63	6	5.2	>1600
	Upper Ganga Canal D/S Roorkee Haridwar	19	7.57	8.4	2.4	220
	River Suswa D/S Mathurawala, Dehradun	22	7.45	2.2	44	>1600
	River Ganga D/S Raiwala, Dehradun	19	7.6	6.4	12	>1600
	River Ganga U/S Lakshmanjhula	13	7.47	9	1.2	40

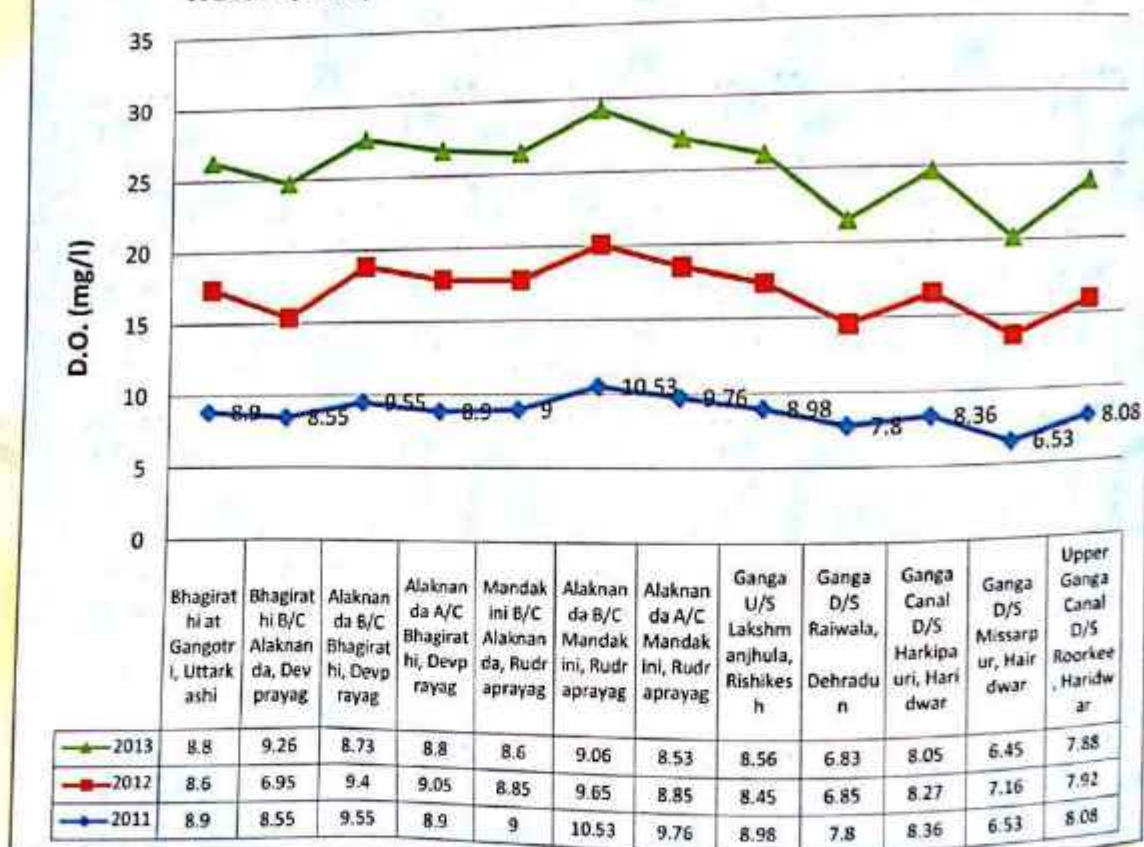
Water Quality of River Ganga in Uttarakhand (Yearly Avg.)



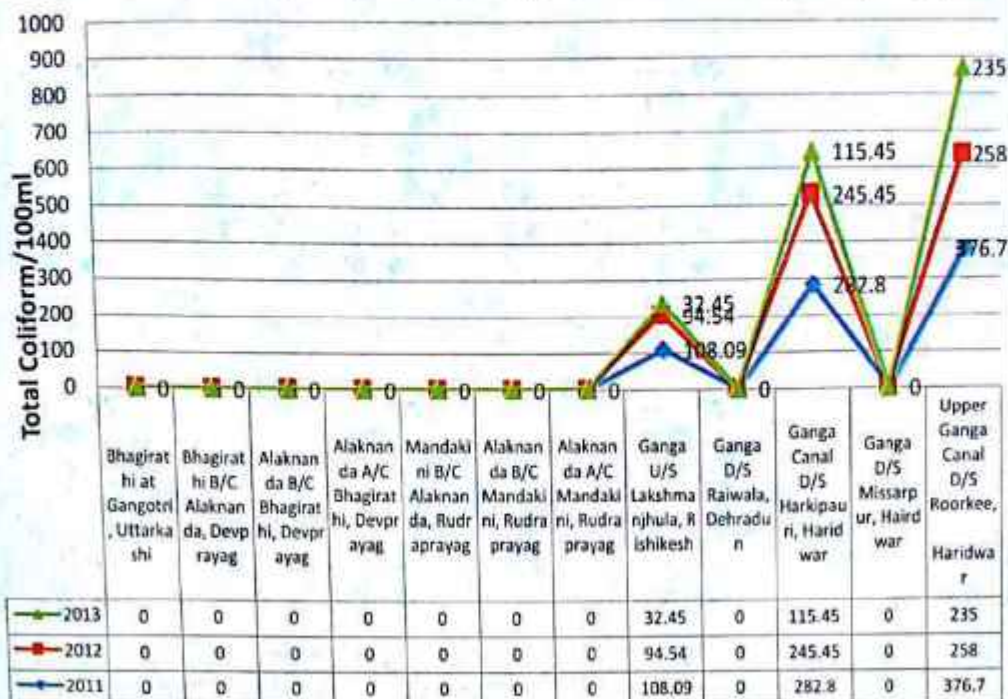
Water quality of River Ganga in Uttarakhand (Yearly Avg.)



Water Quality of River Ganga in Uttarakhand (Yearly Avg.)



Water Quality of River Ganga in Uttarakhand (Yearly Avg.)

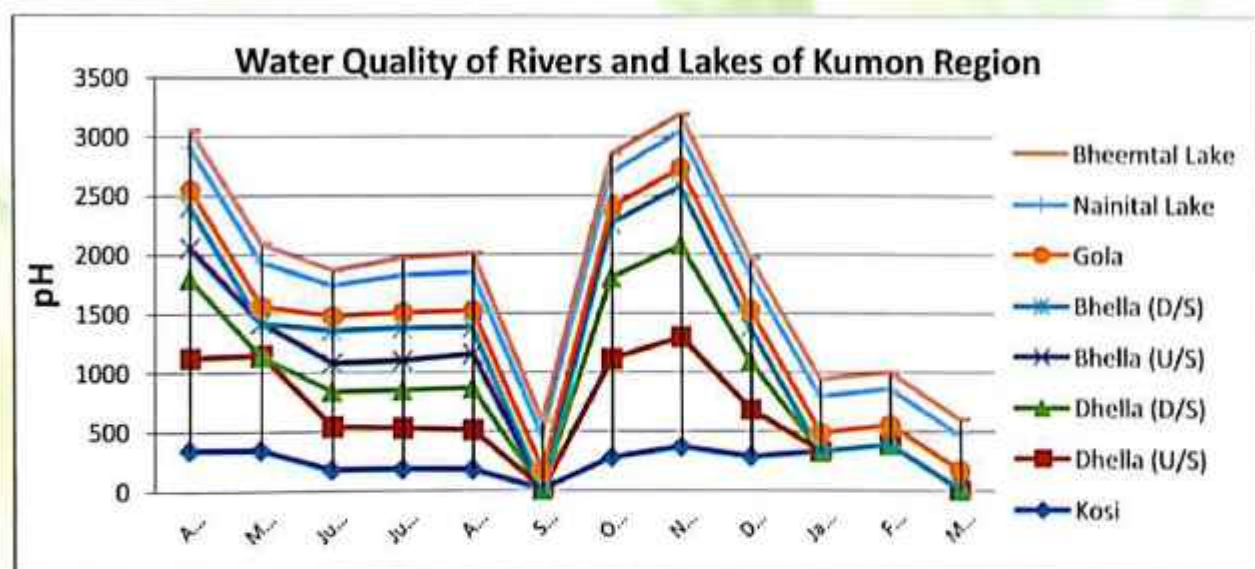


Characteristics of water quality of river in Kumaon Region (2013-14)

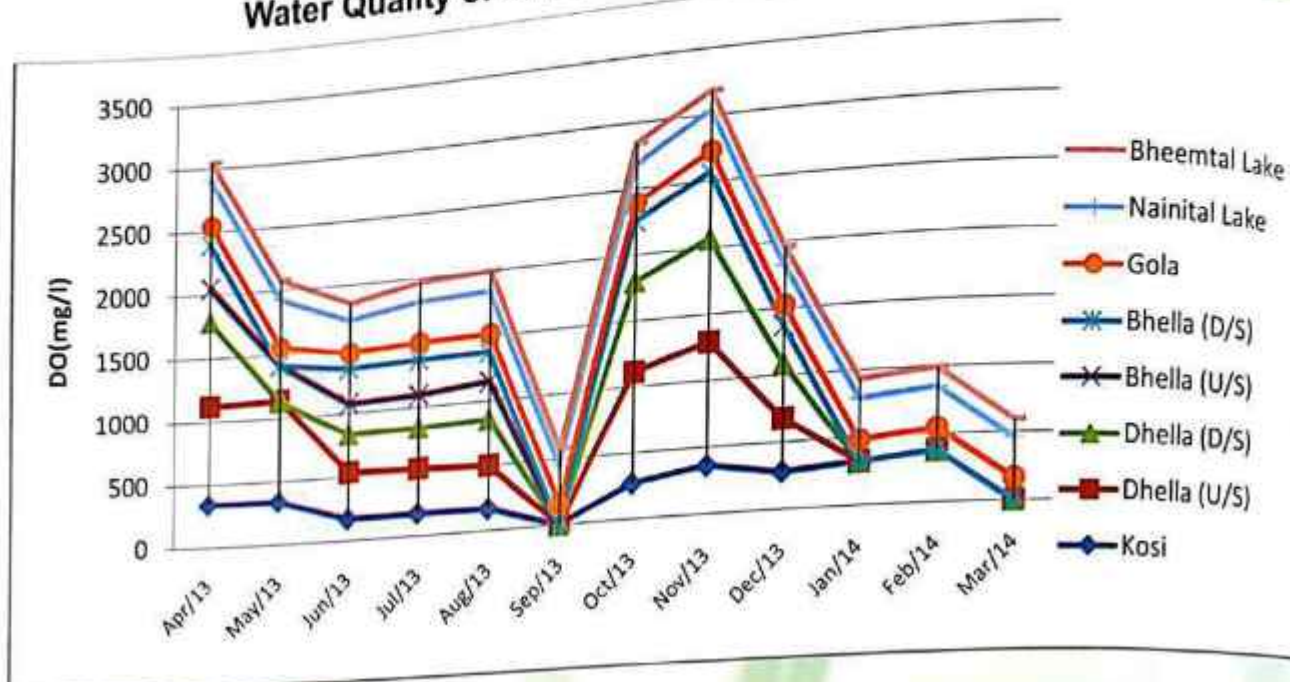
Month	Station	Temp. °C	pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	TDS (mg/l)
Apr-13	Kosi, Udham Singh Nagar	20	7.3	7.8	2.4	16	336
	Dhella (U/S), Udham Singh Nagar	20	7.6	0.4	56	235	778
	Dhella (D/S), Udham Singh Nagar	20	7.2	0.6	44	214	675
	Bhella (U/S), Udham Singh Nagar	20	7.1	0.8	26	120	256
	Bhella (D/S), Udham Singh Nagar	20	6.7	0.4	32	145	352
	Gola, Haldwani	18	7.20	7.6	1.2	5	138
	Nainital Lake, Haldwani	15	7.20	6.8	1.2	6.0	364
	Bheemtal Lake, Haldwani	18	7.80	7.8	1.4	6.0	140
May-13	Kosi, Udham Singh Nagar	20	7.3	7	2.4	16	336
	Dhella (U/S), Udham Singh Nagar	22	7.5	0.4	76	235	796
	Dhella (D/S), Udham Singh Nagar	-	-	-	-	-	-
	Bhella (U/S), Udham Singh Nagar	22	6.9	0.4	45	165	278
	Bhella (D/S), Udham Singh Nagar	-	-	-	-	-	-
	Gola, Haldwani	18	7.26	7.8	1.4	6.0	140
	Nainital Lake, Haldwani	19	7.60	7.0	1.6	6.0	378
	Bheemtal Lake, Haldwani	20	7.90	8.0	1.6	7.0	148
Jun-13	Kosi, Udham Singh Nagar	23	7.2	7.6	2.8	14	166
	Dhella (U/S), Udham Singh Nagar	23	7.4	1.2	53	216	364
	Dhella (D/S), Udham Singh Nagar	23	7.2	1.8	18	145	303
	Bhella (U/S), Udham Singh Nagar	23	7.2	0.8	14	86	235

	Bhella (D/S), Udham Singh Nagar	23	7	0.6	18	120	278
	Gola, Haldwani	17	7.20	8.2	1.2	7.0	118
	Nainital Lake, Haldwani	18	7.30	7.0	2.0	8.0	262
	Bheemtal Lake, Haldwani	18	7.9	8.0	2.2	10.0	128
		20	7.3	7.4	2.6	18	171
Jul-13	Kosi, Udham Singh Nagar	20	7.5	0.8	64	234	346
	Dhella (U/S), Udham Singh Nagar	21	7.1	1.4	16	162	324
	Dhella (D/S), Udham Singh Nagar	20	7.1	1	16	92	248
	Bhella (U/S), Udham Singh Nagar	23	7	0.6	18	120	278
	Bhella (D/S), Udham Singh Nagar	17	7.8	8.0	1.4	6.0	130
	Gola, Haldwani	19	7.92	8.0	2.2	10	318
	Nainital Lake, Haldwani	20	7.41	7.0	2.4	10.0	146
	Bheemtal Lake, Haldwani	19	7.1	7.8	2.2	15	166
Aug-13	Kosi, Udham Singh Nagar	20	7.4	0.6	60	218	332
	Dhella (U/S), Udham Singh Nagar	20	7.2	1	18	186	361
	Dhella (D/S), Udham Singh Nagar	20	7.2	1.2	20	110	286
	Bhella (U/S), Udham Singh Nagar	20	7.1	0.6	24	138	228
	Bhella (D/S), Udham Singh Nagar	18	7.4	8.0	1.2	3.0	136
	Gola, Haldwani	19	7.5	6.6	2.0	10	328
	Nainital Lake, Haldwani	20	7.9	8.0	2.2	3.0	156
	Bheemtal Lake, Haldwani	-	-	-	-	-	-
Sep-13	Kosi, Udham Singh Nagar	-	-	-	-	-	-
	Dhella (U/S), Udham Singh Nagar	-	-	-	-	-	-
	Dhella (D/S), Udham Singh Nagar	-	-	-	-	-	-
	Bhella (U/S), Udham Singh Nagar	-	-	-	-	-	-
	Bhella (D/S), Udham Singh Nagar	-	-	-	-	-	-
	Gola, Haldwani	17	7.5	8.0	1.8	8.0	156
	Nainital Lake, Haldwani	18	7.5	7.0	2.2	8.0	297
	Bheemtal Lake, Haldwani	19	8.2	7.8	2.4	12.0	118
Oct-13	Kosi, Udham Singh Nagar	18	7.2	6.8	2.6	22	269
	Dhella (U/S), Udham Singh Nagar	18	6.9	0.4	36	226	834
	Dhella (D/S), Udham Singh Nagar	18	6.6	0.8	24	120	692
	Bhella (U/S), Udham Singh Nagar	18	7.1	2	14	84	456
	Bhella (D/S), Udham Singh Nagar	18	6.5	1.6	20	140	-
	Gola, Haldwani	17	7.7	8.0	1.2	4	136
	Nainital Lake, Haldwani	15	7.5	7.6	1.8	8.0	298
	Bheemtal Lake, Haldwani	17	7.8	7.8	2.0	6.0	156
Nov-13	Kosi, Udham Singh Nagar	17	7.7	6.5	4.8	32	361
	Dhella (U/S), Udham Singh Nagar	17	7.3	0.0	42	348	924
	Dhella (D/S), Udham Singh Nagar	17	7.8	0.4	38	182	785
	Bhella (U/S), Udham Singh Nagar	17	6.7	2.2	22	134	497
	Bhella (D/S), Udham Singh Nagar	17	6.9	0.0	32	186	-
	Gola, Haldwani	15	7.6	7.8	1.8	10	154
	Nainital Lake, Haldwani	13	7.6	7.8	1.4	18	310
	Bheemtal Lake, Haldwani	14	7.9	8.2	1.4	8.0	147
Dec-13	Kosi, Udham Singh Nagar	11	7.3	7.2	5.2	38	278
	Dhella (U/S), Udham Singh Nagar	11	7.5	2.2	54	418	395
	Dhella (D/S), Udham Singh Nagar	12	7.4	2.6	34	178	412

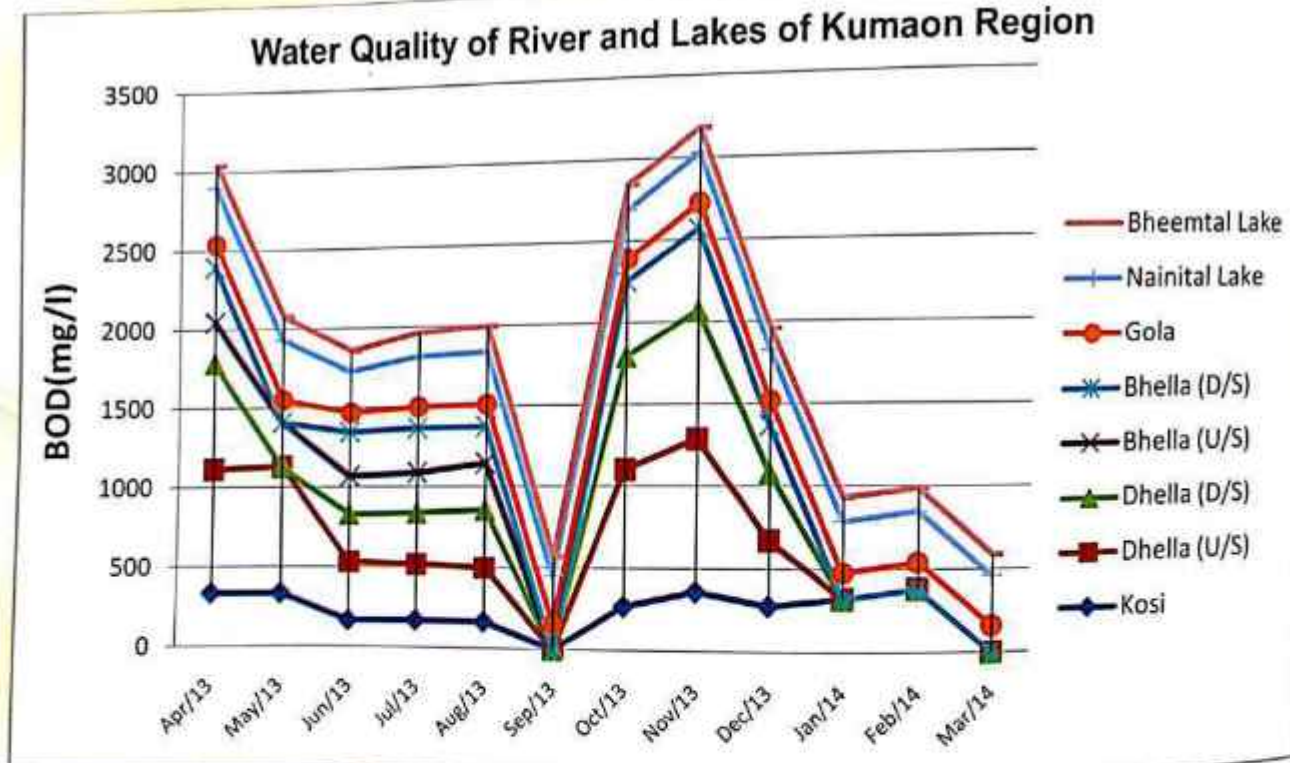
	Bhella (U/S), Udham Singh Nagar	12	7.1	2.2	22	134	284
	Bhella (D/S), Udham Singh Nagar	12	6.9	0.6	26	142	-
	Gola, Haldwani	12	7.5	8.0	1.4	10	148
	Nainital Lake, Haldwani	10	7.7	7.7	1.2	14	306
	Bheemtal Lake, Haldwani	11	7.8	8.0	1.2	7.0	132
Jan-14	Kosi, Udham Singh Nagar	8	7.1	8.0	12	36	321
	Dhella (U/S), Udham Singh Nagar	9	7.3	3.2	58	448	428
	Dhella (D/S), Udham Singh Nagar	9	7.7	1.40	22	156	578
	Bhella (U/S), Udham Singh Nagar	9	7	2.4	28	152	304
	Bhella (D/S), Udham Singh Nagar	9	7.1	0.60	84	182	493
	Gola, Haldwani	11	7.7	8.0	1.4	8.0	156
	Nainital Lake, Haldwani	9	7.6	7.6	1.2	5.0	312
	Bheemtal Lake, Haldwani	11	7.6	8.0	1.4	6.0	143
Feb-14	Kosi, Udham Singh Nagar	7	7.2	7.8	8	15	381
	Dhella (U/S), Udham Singh Nagar	7	7.3	2.8	46	98	458
	Dhella (D/S), Udham Singh Nagar	9	7.4	1.0	34	162	498
	Bhella (U/S), Udham Singh Nagar	9	7.1	2.8	28	96	298
	Bhella (D/S), Udham Singh Nagar	9	7.0	0.40	68	214	472
	Gola, Haldwani	11	7.6	8.0	1.4	8.0	162
	Nainital Lake, Haldwani	10	7.7	7.8	1.2	5.0	308
	Bheemtal Lake, Haldwani	12	7.6	7.8	1.2	7.0	135
Mar-14	Gola, Haldwani	14	7.5	8.0	1.4	8.0	160
	Nainital Lake, Haldwani	13	7.8	7.8	1.4	14	302
	Bheemtal Lake, Haldwani	15	7.7	8.0	1.6	7.0	128

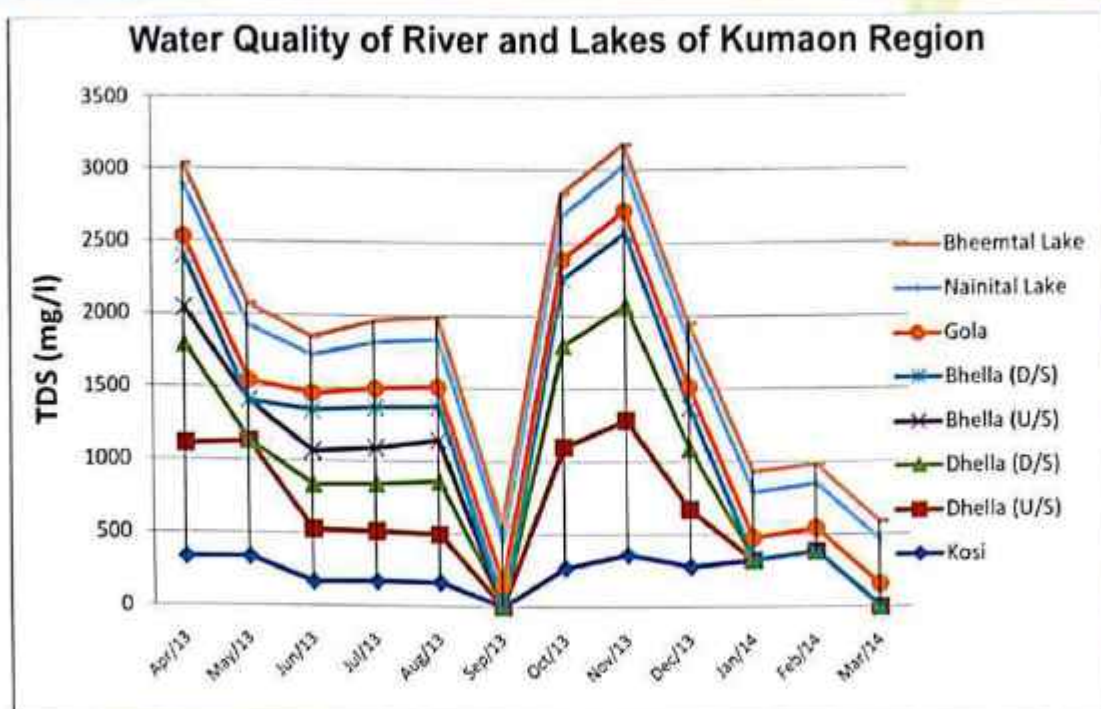


Water Quality of River and Lakes of Kumaon Region



Water Quality of River and Lakes of Kumaon Region





3.2 Air Quality Monitoring Programme

Central Pollution Control Board is executing a nation-wide programme of ambient air quality monitoring known as National Air Quality Monitoring Programme (NAMP). The network consists of three hundred and forty two (342) operating stations covering one hundred and twenty seven (127) cities/towns in twenty six (26) states and four (4) Union Territories of the country.

The objectives of the National Ambient Air Quality Programme is to determine status and trends of ambient air quality; to ascertain whether the prescribed ambient air quality standards are violated; to identify Non-attainment Cities; to obtain the knowledge and understanding necessary for developing preventive and corrective measures and to understand the natural cleansing process undergoing in the environment through pollution dilution, dispersion, wind based movement, dry deposition, precipitation and chemical transformation of pollutants generated. The status of ambient air quality data compiled and graphical representation is shown in table:

Status of Air pollutants at various stations of Kumaon Region ($\mu\text{g}/\text{m}^3$)

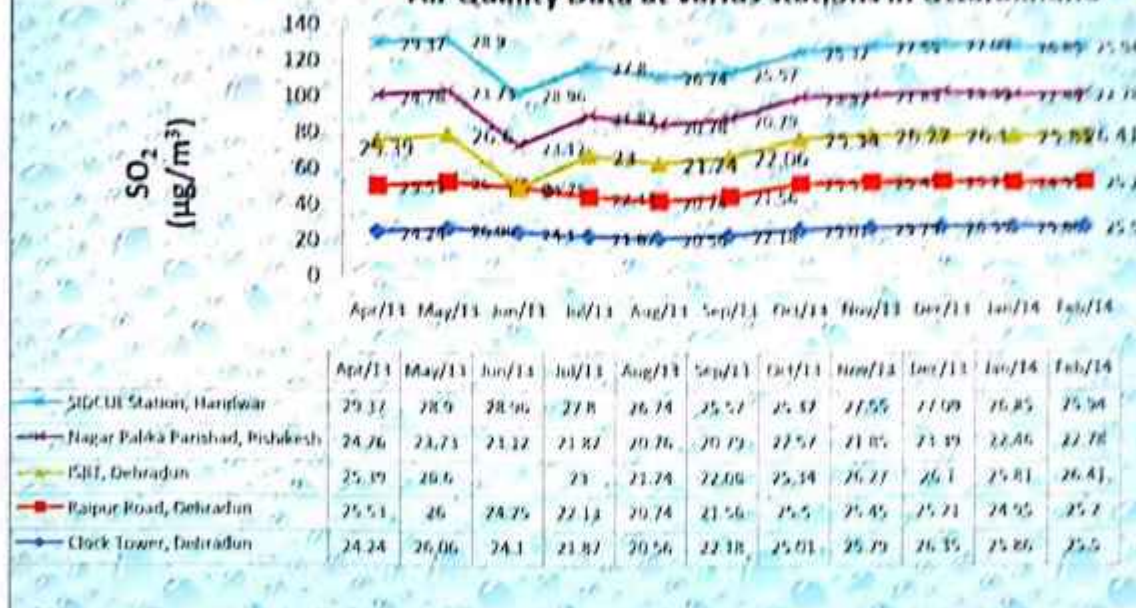
Month	Govt. Hospital, Kashipur				SIDCUL Office, Rudrapur				Govt. Hospital, Haldwani			
	SO ₂	NO _x	RSPM	SPM	SO ₂	NO _x	RSPM	SPM	SO ₂	NO _x	RSPM	SPM
Apr 13	-	-	128.33	402	-	-	121.47	262.17	-	-	140.43	233.62
May 13	-	-	171.14	452.92	-	-	163.28	327.54	-	-	156.25	235.02
Jun 13	-	-	166.30	377.62	-	-	154.43	309.56	-	-	136.42	219.29
Jul 13	-	-	153.03	318.41	-	-	82.28	178.12	-	-	117.29	192.81
Aug 13	-	-	128.74	249.65	-	-	92.43	201.93	-	-	127.53	212.70
Sep 13	-	-	106.45	233.31	-	-	103.73	200.36	-	-	183.61	279.88

Oct 13	-	-	93.32	197.24	-	-	167.53	291.58	-	-	151.17	245.69
Nov 13	-	-	141.79	241.6	-	-	168.79	291.90	-	-	161.09	269.61
Dec 13	-	-	147.45	269.55	-	-	197.89	294.63	-	-	178.44	249.64
Jan 14	-	-	169.56	243.81	-	-	201.63	311.4	-	-	166.49	259.78
Feb 14	-	-	126.03	227.24	-	-	129.48	239.31	-	-	160.99	235.47

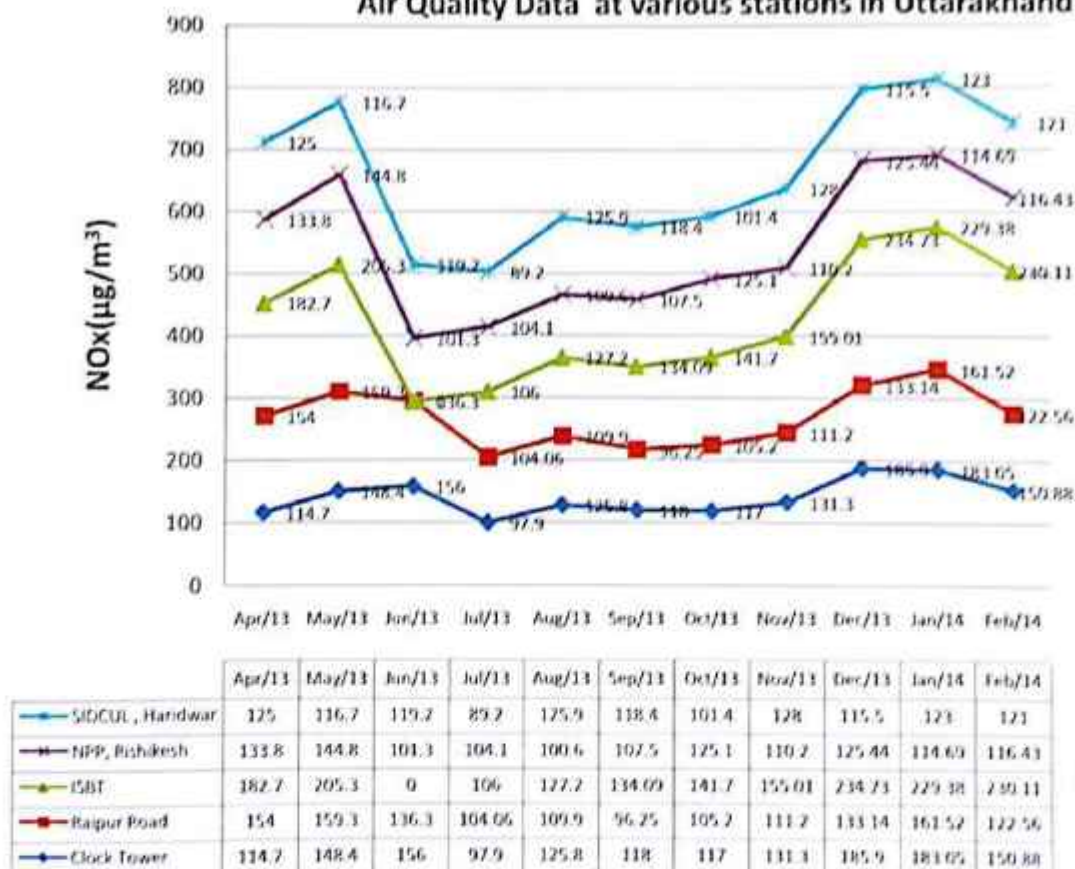
Status of Air pollutants at various stations of Garhwal Region ($\mu\text{g}/\text{m}^3$)

Month	Clock Tower			Rajpur Road			ISBT			Nagar Palika Parishad Rishikesh			SIDCUL Station, Haridwar		
	SO ₂	NO _x	RSPM	SO ₂	NO _x	RSPM	SO ₂	NO _x	RSPM	SO ₂	NO _x	RSPM	SO ₂	NO _x	RSPM
Apr 2013	24.2	28.1	114.7	25.5	27.6	154.0	25.3	27.3	182.7	24.7	26.0	133.8	29.3	29.8	125.0
May 2013	26.0	28.1	148.4	26	28.6	159.3	26.6	28.3	205.3	23.7	25.3	144.8	28.9	29.9	116.7
Jun 2013	24.1	26.4	156	24.75	26.9	136.3	I.F.	I.F.	I.F.	23.12	25.5	101.3	28.9	29.9	119.2
Jul 2013	21.8	24.3	97.9	22.13	24.3	104.06	23	24.4	106	21.82	23.7	104.1	27.8	29.0	89.2
Aug 2013	20.5	22.2	125.8	20.7	21.9	109.9	21.2	22.0	127.2	20.7	22.4	100.6	26.7	27.9	125.9
Sept 2013	22.1	23.3	118	21.56	23.1	96.25	22.06	22.7	134.09	20.7	22.3	107.5	25.5	26.6	118.4
Oct 2013	25.0	29.8	117.0	25.5	29.5	105.2	25.3	29.2	141.7	22.5	25.6	125.1	25.3	27.3	101.4
Nov 2013	25.7	29.8	131.3	25.4	29.4	111.2	26.27	29.4	155.01	21.85	27.2	110.2	27.5	29.3	128.0
Dec 2013	26.3	29.8	185.9	25.21	29.1	133.14	26.1	30.1	234.73	23.39	27.7	125.44	27.09	29.01	115.5
Jan 2014	25.8	29.6	183.05	24.95	28.7	161.52	25.81	29.2	229.38	22.46	26.1	114.69	26.85	29.13	123.0
Feb 14	25.5	29.6	150.88	25.2	29.3	122.56	26.41	29.2	230.11	22.78	26.9	116.43	25.94	28.29	121.0

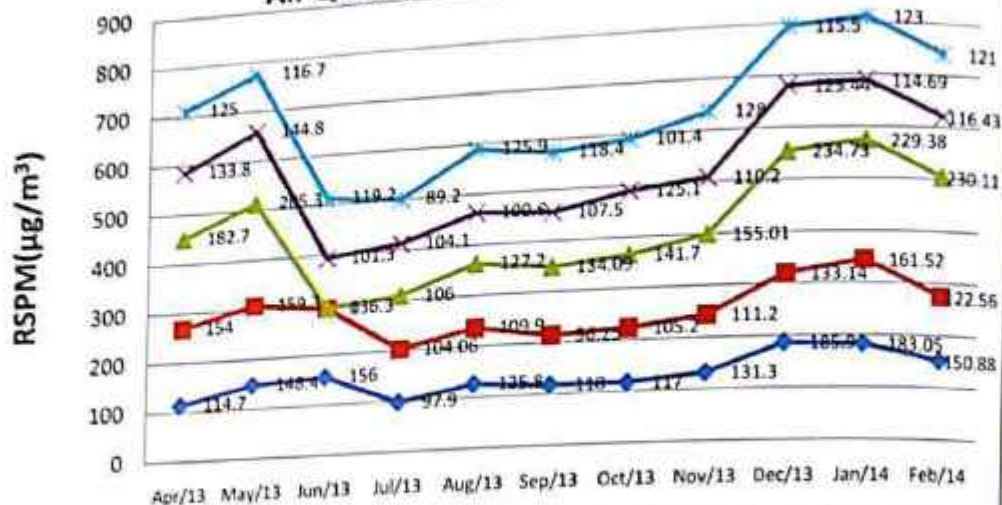
Air Quality Data at various stations in Uttarakhand



Air Quality Data at various stations in Uttarakhand



Air Quality Data at various stations in Uttarakhand



	Apr/13	May/13	Jun/13	Jul/13	Aug/13	Sep/13	Oct/13	Nov/13	Dec/13	Jan/14	Feb/14
SIDCUL, Haridwar	125	116.7	119.2	89.2	125.9	118.4	101.4	128	115.5	123	121
NPP, Rishikesh	133.8	144.8	101.3	104.1	100.6	107.5	125.1	110.2	125.44	114.69	116.43
ISBT	182.7	205.3	0	106	127.2	134.09	141.7	155.01	234.73	229.38	230.11
Raipur Road	154	159.3	136.3	104.06	109.9	96.25	105.2	111.2	133.14	161.52	122.56
Clock Tower	114.7	148.4	156	97.9	125.8	118	117	131.3	185.9	183.05	150.88

4.0 Environmental Awareness and Public Participation.

4.1 ENVIS (Environment Information System) Centre

ENVIS is a decentralized System with a network of oriented centers for Environmental Information collection, collation, storage, retrieval and dissemination of Environmental Information.

Responsibilities of ENVIS Centre

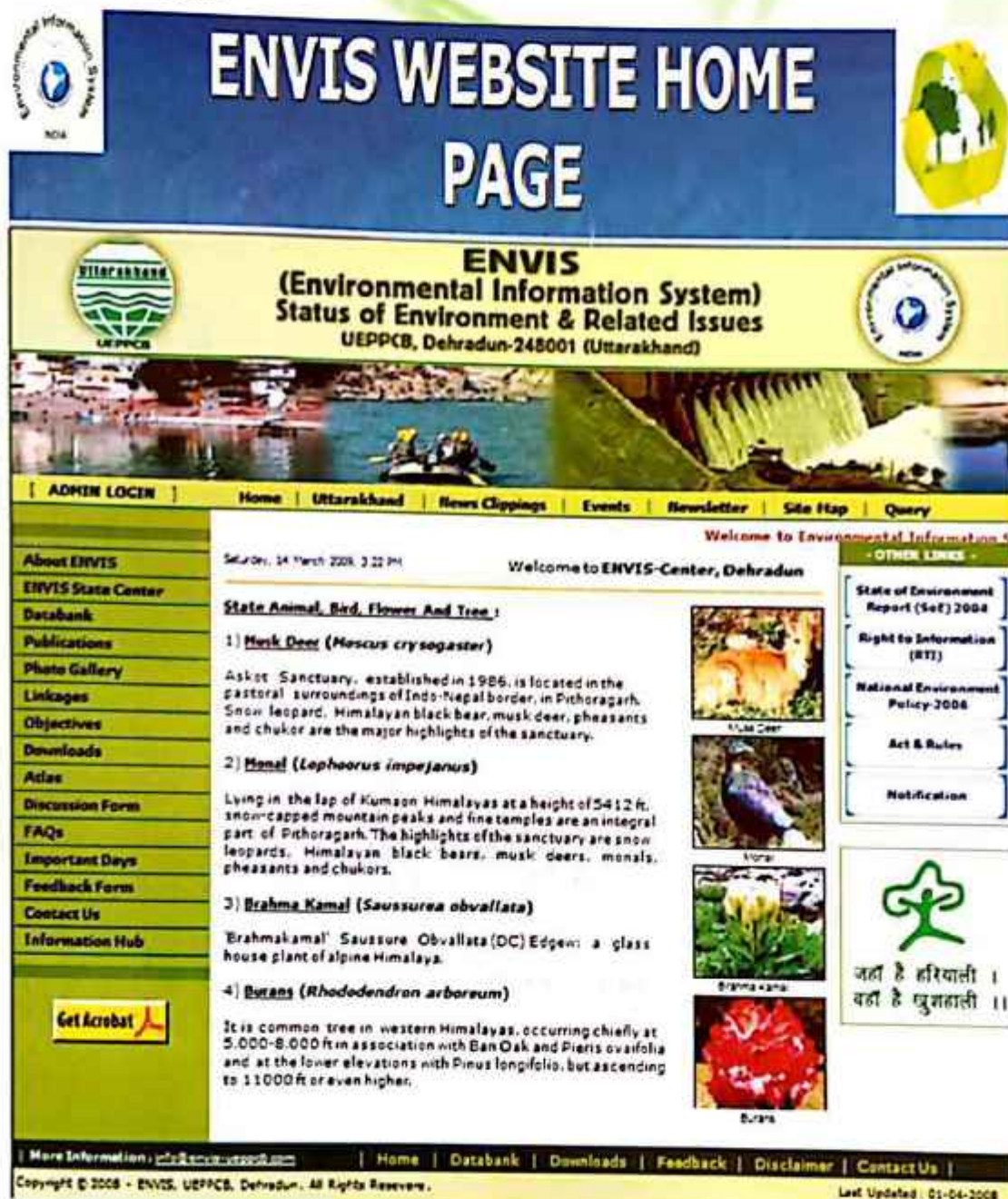
- Building up a good collection of books, reports and journals in the particular subject area of environment;
- Establishment of linkages with all information sources in the particular subject area of environment;
- Responding to user queries;
- Establishment of a data bank on some selected parameters relating to the subject area;
- Coordination with the Focal Point for supplying relevant, adequate and timely information to the users;
- Helping the Focal Point in gradually up an inventory of information material available at the Centre;
- Identification of information gaps in the specified subject areas and action to fill these gaps;
- bringing out newsletters/publications in their subject area for wide dissemination

OBJECTIVES OF THE ENVIS PROJECT

- Compilation of News Items on the said program.
- Building up a relevant collection of books, Reports and journals

- Identification of information/data gaps in the state on all areas of environment and action taken to fill these gaps.
- Database creation on State of Environment in the state to be put on website.
- Contribution of News items for ENVIS Newsletter.
- To establish and operate a distributed clearing house to answer and channel queries related to the allocated subject.
- Preparation and up gradation of State of Environment Report and
- SoE Phase II Activities (SoE Atlas, SoE Website, SoE CD, SoE Video and SoE Photo catalogue)

WEBSITE HOMEPAGE



The screenshot shows the homepage of the ENVIS (Environmental Information System) Status of Environment & Related Issues website. The header features the title "ENVIS WEBSITE HOME PAGE" in large blue letters. Below this, a banner image shows a scenic view of a river and a dam. The navigation bar includes links for "ADMIN LOGIN", "Home", "Uttarakhand", "News Clippings", "Events", "Newsletter", "Site Map", and "Query". A sidebar on the left lists various sections like "About ENVIS", "ENVIS State Center", "Databank", "Publications", "Photo Gallery", "Linkages", "Objectives", "Downloads", "Atlas", "Discussion Form", "FAQs", "Important Days", "Feedback Form", "Contact Us", and "Information Hub". The main content area displays a "Welcome to ENVIS-Center, Dehradun" message and a list of state animals, birds, flowers, and trees. Each item is accompanied by a small image and a brief description. For example, the Musk Deer is described as being found in the Askot Sanctuary, and the Monal is described as a snow-capped mountain peak. The footer contains copyright information for 2008 and a "Last Updated" date of 01-04-2008.

ENVIS WEBSITE HOME PAGE

ENVIS
(Environmental Information System)
Status of Environment & Related Issues
UEPPCB, Dehradun-248001 (Uttarakhand)

ADMIN LOGIN | Home | Uttarakhand | News Clippings | Events | Newsletter | Site Map | Query

Search: 14 March 2008, 3:22 PM | Welcome to ENVIS-Center, Dehradun

State Animal, Bird, Flower And Tree :

- Musk Deer (*Moschus moschiferus*)**
Askot Sanctuary, established in 1986, is located in the pastoral surroundings of Indo-Nepal border, in Pithoragarh. Snow leopard, Himalayan black bear, musk deer, pheasants and chukor are the major highlights of the sanctuary.
- Monal (*Lepidodactylus*)**
Lying in the lap of Kumaon Himalayas at a height of 5412 ft, snow-capped mountain peaks and fine temples are an integral part of Pithoragarh. The highlights of the sanctuary are snow leopards, Himalayan black bears, musk deers, monals, pheasants and chukors.
- Brahma Kamal (*Saussurea obvallata*)**
Brahmakamal Saussure Obvallata (DC) Edgew: a glass house plant of alpine Himalaya.
- Burans (*Rhododendron arboreum*)**
It is common tree in western Himalayas, occurring chiefly at 5,000-8,000 ft in association with Ban Oak and Pieris ovalifolia and at the lower elevations with Pinus longifolia, but ascending to 11,000 ft or even higher.

OTHER LINKS :

- State of Environment Report (SoE) 2004
- Right to Information (RTI)
- National Environment Policy 2006
- Act & Rules
- Notification

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NEWSLETTERS PUBLICATIONS



4.2 National Interaction-cum-Evaluation Workshop for ENVIS Centres held at Gangtok, Sikkim from 28th to 30th March, 2014

A three-day National Interaction-cum-Evaluation Workshop for Environmental Information System (ENVIS) Centres was organized by the State Council of Science & Technology for Sikkim (SCSTS), Gangtok on behalf of Ministry of Environment & Forests (MoEF), Government of India, at Chintan Bhavan, Gangtok, Sikkim on 28-30 March 2014.

The purpose of the Workshop was to evaluate the performance in 2013-14 of the 68 ENVIS Centres, 28 of which are hosted by State Governments/ UT Administrations. Around 125 delegates participated in the Workshop, including 90 representatives from 36 out of 40 Thematic ENVIS Centres and 21 out of 28 State/ UT ENVIS Centres. One thematic Centre was recently set up and was not required to be evaluated.

The Experts evaluated the various Centres based on the criteria outlined in the Guidelines of the Scheme, which broadly include parameters like Website updation, Database development, Publication of Newsletters/ Reports/ other information products, User engagement and interaction depicted through Visitor Counts and Query-Response Statistics, new initiatives, action taken to fill up information/ data gaps, etc. The evaluation by the Experts at the Workshop would be converged with the regular and periodic online assessment by MoEF as well as through the physical verification, and the Centres would be graded on the basis of the consolidated marks earned against their activities in 2013-14, as Category A: Very Good (≥ 80), B: Good (≥ 50 and < 80) and C: Non-Performing (< 50) prior to consideration of grant of funds for the next financial year 2014-15.



4.3 Preparation of Action Plan for Pollution Control in Haridwar City

Board has prepared the Pollution Control Action Plan for Haridwar City. The Report entails assessment of various environment parameters like assessment of Environmental Status of Water Quality, Environmental Status of Solid Waste Management, assessment of Land Use Pattern, assessment of Environmental Status of Ecology and Action Plan for environment management of Haridwar State.

5.0 Environmental Standards including time schedule for their enforcement.

5.1 ENVIRONMENTAL POLLUTION CONTROL AND IMPLEMENTATION OF VARIOUS ACTS AND RULES

Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008

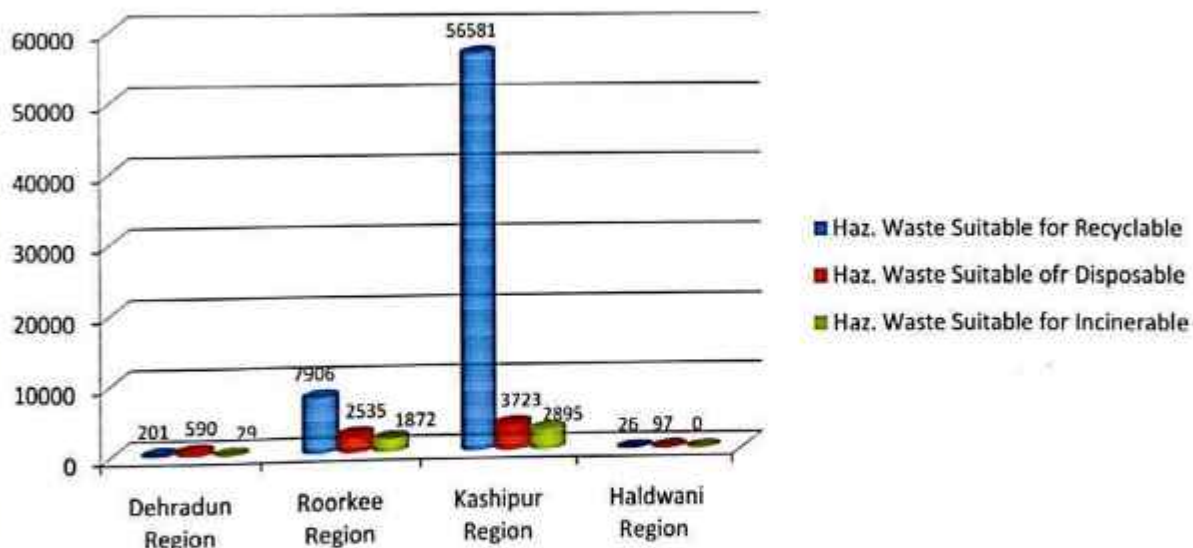
The Ministry of Environment & Forest, Govt. of India has promulgated the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008. According to the rules the duties of the various authorisation are as follows :

S.No.	Authority	Corresponding Duties
1	Ministry of Environment and Forests under the Environment(Protection) Act, 1986	<ul style="list-style-type: none"> • Identification of hazardous wastes • Permission to exporters of hazardous wastes • Permission to importers of hazardous wastes • Permission for transit of hazardous wastes through India • Sponsoring of training and Awareness programme on Hazardous Waste Management related activities
2	Central Pollution Control Board constituted under the Water (Prevention and Control of Pollution) Act, 1974	<ul style="list-style-type: none"> • Co-ordination of activities of State Pollution control Boards/Committees • Conduct training courses for authorities dealing with management of hazardous wastes • Recommend standards and specifications for treatment and disposal of wastes and leachates Recommend procedures for characterization of hazardous wastes • Sector specific documentation to identify waste for inclusion in Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. • Prepare guidelines to prevent/reduce/minimize the generation and handling of hazardous wastes • Registration and renewal of registration of Recyclers/Reprocessors • Any other function under Rules delegated by the Ministry of Environment & Forests
3	State Government/Union Territory Government/Administration	<ul style="list-style-type: none"> • Identification of site(s) for common Hazardous Waste Treatment Storage and Disposal Facility (TSDF) • Assess EIA reports and convey the decision of approval of site or otherwise • Acquire the site or inform operator of facility or occupier or association of occupiers to acquire the site • Notification of sites • Publish periodically an inventory of all disposal sites in the State/Union Territory
4	State Pollution Control Boards or Pollution Control Committees constituted under the Water (Prevention and Control of Pollution) Act, 1974	<ul style="list-style-type: none"> • Inventorisation of hazardous wastes • Grant and renewal of authorization • Monitoring of compliance of various provisions and conditions of authorization including conditions of permission for issued by MoEF exports and imports

		<ul style="list-style-type: none"> Examining the applications for imports submitted by the importers and forwarding the same to Ministry of Environment and Forests Implementation of programmes to prevent/reduce/minimize the generation of hazardous wastes Action against violations of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 Any other function under these Rules assigned by MoEF from time to time.
5	Directorate General of Foreign Trade constituted under the Foreign Trade (Development and Regulation) Act, 1992	<ul style="list-style-type: none"> Grant of licence for import of hazardous wastes Refusal of licence for hazardous wastes prohibited for imports and export
6	Port Authority under Indian Ports Act, 1908 (15 of 1908) and Customs Authority under the Customs Act, 1962 (52 of 1962)	<ul style="list-style-type: none"> Verify the documents Inform the Ministry of Environment and Forests of any illegal traffic Analyse wastes permitted for imports and exports Train officials on the provisions of the (Management, Handling and Transboundary Movement) Rules, 2008 and in the analysis of hazardous wastes Take action against exporter/importer for violations under the Indian Ports Act, 1908/Customs Act, 1962

Status of Hazardous Waste Generation

Name of the Region	No. of Unit	Hazardous Waste Suitable for Recyclable (TPA)	Hazardous Waste Suitable for Disposable (TPA)	Hazardous Waste Suitable for Incinerable (TPA)
Dehradun Region	120	201	590.538	29.445
Roorkee Region	644	7906	2535.763	1872.029
Kashipur Region	486	56581	3723.758	2895.324
Haldwani Region	94	26	97.062	0
Total	1344	64714	6947.121	4796.798



The total quantum, of Hazardous Waste generated in the state is 76457 tpa out of which 64714 tons are suitable for Recyclable, 4797 tons are suitable for incineration and 6947 tons are suitable for secure land disposal.

In order to manage the hazardous waste in the State M/s Bharat Oil & Waste Management Ltd., has developed the Common Hazardous Waste Treatment Store & Disposal Facility at Haridwar district. The landfill site is designed at the capacity of 6.0 lac tons of hazardous waste for 30 years life time period. The incinerator installed is of 12000 ton per annum capacity.



5.2 Municipal Solid Waste Management

The Ministry of Environment & Forests Govt. of India has promulgated the Municipal Solid Waste (Management & Handling) Rules 2000 under Environment (Protection) Act 1986. The Rules are applicable to every urban local bodies responsible for collection, segregation, storage, transportation, processing and disposal of municipal solid wastes. The Local bodies are required to set up waste processing and disposal facilities. The responsibility of the State Board under above rules is

- (i) Monitor the compliance of the standards regarding ground water, ambient air leachate quality and the compost quality including incineration standards as specified under Schedule II, III & IV.
- (ii) Issuance of authorization to the municipal authority or an operator of a facility stipulating compliance criteria and standards.
- (iii) Prepare and submit to the CPCB an annual report with regard to the implementation of the rules.

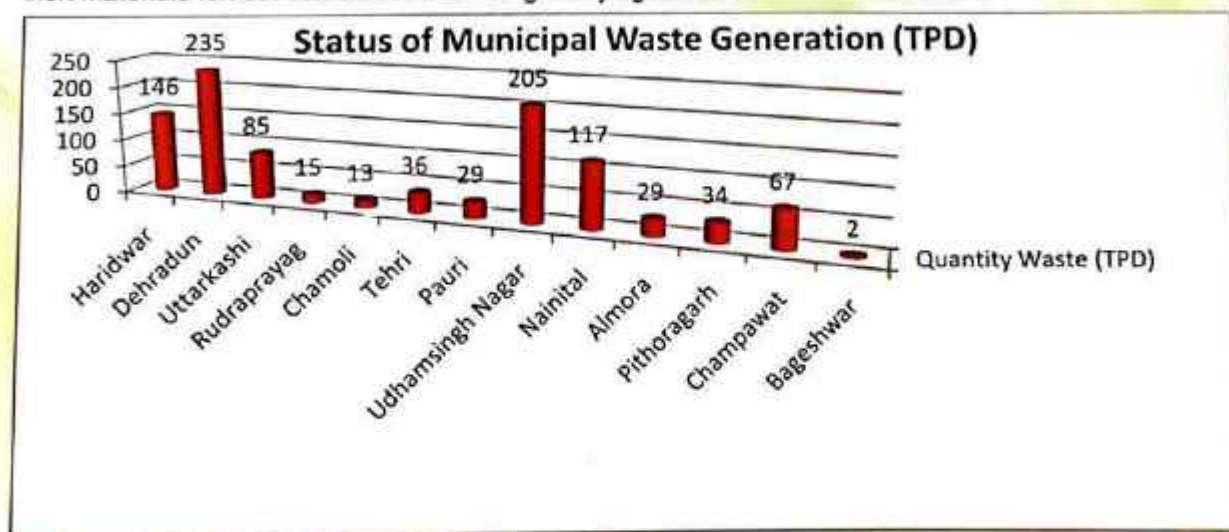
In Uttarakhand State there are total 68 local bodies, no local bodies have applied for authorization for development of landfill site and waste processing facilities. The status of the municipal solid waste management in the State is as follows:

Status of Municipal Solid Waste Management

S.No.	Name of Districts	Total no. of Local bodies	Population of District	Quantity Waste (TPD)
1.	Haridwar	07	1890422	146
2.	Dehradun	07	1696694	235
3.	Uttarkashi	03	330086	85
4.	Rudraprayag	03	242285	15
5.	Chamoli	05	391605	13
6.	Tehri	06	618931	36
7.	Pauri	04	687271	29
8.	Udhamsingh Nagar	14	1648902	205
9.	Nainital	08	954605	117
10.	Almora	04	622506	29
11.	Pithoragarh	03	483439	34
12.	Champawat	03	259648	67
13.	Bageshwar	01	259898	2

In Uttarakhand State no local bodies have scientific sanitary landfill site and waste processing facilities for disposal and composting of Municipal Solid Waste, however Nagar Nigam, Dehradun, Nagar Nigam Haridwar and Nagar Palika Parishad Nainital has identified the land for sanitary landfill disposal and processing facility and the proposals of such local bodies are under the consideration of competent authority for environmental clearance. The State Govt. Has taken further stride to create a separate cell for municipal solid waste management named as "Environment And Solid Waste Management". The Pollution Control Board in the previous years had interacted with the various local bodies in the matter of solid waste management and has come out with the fact that the 65% geographical area of the State is covered under forest area, out of which 71% are reserve forest, 28% protected forest and 0.35% is unclassified areas. The outskirts of the most of the local bodies is bounded by forest area which results in difficulties in acquiring such forest area for sanitary land disposal sites.

Since, in Uttarakhand State the local bodies are smaller in population and area, and solid waste generation from such local bodies are lesser in quantum. Hence the development of the individual sanitary landfill sites for each local body will not be feasible. The development of common sanitary landfill site for cluster of local bodies is one of the best options specifically for local bodies located in the plain areas of the Uttarakhand and for hilly areas most of the emphasis is required to be taken for proper segregation of waste followed by reuse and recycling of non-biodegradable waste and composting of the biodegradable waste and the final inert materials left over can be used for filling low lying areas and road construction.



According to the Municipal Solid Waste Management Rule the facilities to be available in the waste disposal and processing facilities are :

1. Landfill site shall be fenced or hedged and provided with proper gate to monitor incoming vehicles or other modes of transportation.
2. The landfill site shall be well protected to prevent entry of unauthorised persons and stray animals.
3. Approach and other internal roads for free movement of vehicles and other machinery shall exist at the landfill site.
4. The landfill site shall have wastes inspection facility to monitor wastes brought in for landfill, office facility for record keeping and shelter for keeping equipment and machinery including pollution monitoring equipments.
5. Provisions like weigh bridge to measure quantity of waste brought at landfill site, fire protection equipments and other facilities as may be required shall be provided.
6. Utilities such as drinking water (preferably bathing facilities for workers) and lighting arrangements for easy landfill operations when carried out in night hours shall be provided.
7. Safety provisions including health inspections of workers at landfill site shall be periodically made.

Following are the provisions for Pollution Control Measures in the sanitary landfill sites are :

1. Diversion of storm water drains to minimize leachate generation and prevent pollution of surface water and also for avoiding flooding and creation of marshy conditions;
2. Construction of a non-permeable lining system at the base and walls of waste disposal area. For landfill receiving residues of waste processing facilities or mixed waste or waste having contamination of hazardous materials minimum liner specifications shall be a composite barrier having 1.5 mm high density polyethylene (HDPE) geomembrane, or equivalent, overlying 90 cm of soil (clay or amended soil) having permeability coefficient not greater than 1×10^{-7} cm/sec. Provisions for management of leachates collection and treatment shall be made. The treated leachates shall meet the standards specified in Schedule- IV;
3. Prevention of run-off from landfill area entering any stream, river, lake or pond.

Apart from above the standards described for ground water quality, ambient air quality, compost quality and disposal of treated leachate quality are shown in table:

Ground Water Quality Standard

S.No.	Parameters	IS 10500: 1991 Desirable limit (mg/l except for pH)
1.	Arsenic	0.05
2.	Cadmium	0.01
3.	Chromium	0.05
4.	Copper	0.05
5.	Cyanide	0.05
6.	Lead	0.05
7.	Mercury	0.001
8.	Nickel	-
9.	Nitrate as NO ₃	45.0
10.	PH	6.5-8.5
11.	Iron	0.3
12.	Total hardness (as CaCO ₃)	300.0
13.	Chlorides	250
14.	Dissolved solids	500
15.	Phenolic compounds (as C ₆ H ₅ OH)	0.001
16.	Zinc	5.0
17.	Sulphate (as SO ₄)	200

Ambient Air Quality Standard

S.No.	Parameters	Acceptable levels
(i)	Sulphur dioxide	120
(ii)	Suspended Particulate Matter	500
(iii)	Methane	Not to exceed 25 per cent of the lower explosive limit (equivalent to 650 mg/m ³)
(iv)	Ammonia daily average (Sample duration 24 hrs)	0.4 mg/m ³ (400)
(v)	Carbon monoxide	1 hour average : 2 mg/m ³ 8 hour average : 1 mg/m ³

Compost Quality Standards

S.No.	Parameters	Concentration not to exceed * (mg/kg dry basis , except pH value and C/N ratio)
1.	Arsenic	10.00
2.	Cadmium	5.00
3.	Chromium	50.00
4.	Copper	300.00
5.	Lead	100.00
6.	Mercury	0.15
7.	Nickel	50.00
8.	Zinc	1000.00
9.	C/N ratio	20-40
10.	pH	5.5-8.5

* Compost (final product) exceeding the above stated concentration limits shall not be used for food crops. However, it may be utilized for purposes other than growing food crops.

Treated Leachate Standards

S.No	Parameter	Standards (Mode of Disposal)		
		Inland surface water	Public sewers	Land disposal
1.	Suspended solids, mg/l, max	100	600	200
2.	Dissolved solids (inorganic) mg/l, max.	2100	2100	2100
3.	pH value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
4.	Ammonical nitrogen (as N), mg/l, max.	50	50	-
5.	Total Kjeldahl nitrogen (as N), mg/l, max.	100	-	-
6.	Biochemical oxygen demand (3 days at 270 C) max.(mg/l)	30	350	100
7.	Chemical oxygen demand, mg/l, max.	250	-	-
8.	Arsenic (as As), mg/l, max	0.2	0.2	0.2
9.	Mercury (as Hg), mg/l, max	0.01	0.01	-
10.	Lead (as Pb), mg/l, max	0.1	1.0	-
11.	Cadmium (as Cd), mg/l, max	2.0	1.0	-
12.	Total Chromium (as Cr), mg/l, max.	2.0	2.0	-
13.	Copper (as Cu), mg/l, max.	3.0	3.0	-
14.	Zinc (as Zn), mg/l, max.	5.0	15	-
15.	Nickel (as Ni), mg/l, max	3.0	3.0	-
16.	Cyanide (as CN), mg/l, max.	0.2	2.0	0.2
17.	Chloride (as Cl), mg/l, max.	1000	1000	600
18.	Fluoride (as F), mg/l, max	2.0	1.5	-
19.	Phenolic compounds (as C ₆ H ₅ OH) mg/l, max.	1.0	5.0	-

The Board has also filed the legal action against the 06 local bodies in the designed Court under Environment Protection Act, 1986

5.3 Biomedical Waste Management

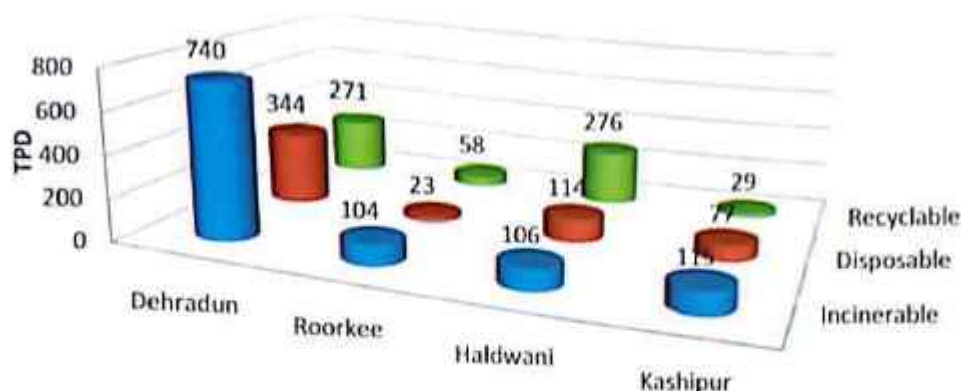
The Ministry of Environment and Forests, Government of India, notified the Bio-Medical Wastes (Management & Handling) Rules, under the Environment (Protection) Act, 1986. The rules regulate the generation, handling, collection, storage, transport, treatment and disposal of Biomedical Waste. The salient features of the rules are as follows :

1. These Rules are applicable to all persons who generate, collect, receive, store, transport, treat, dispose or handle bio medical waste in any form.
2. The State Pollution Control Board is the prescribed authority for the implementation of the Rules in the States.
3. Every occupier of the healthcare units generating, collecting, receiving, storing, transporting, treating, disposing and / or handling BMW in any other manner, except such occupier of clinics, dispensaries, pathological laboratories, blood banks providing treatment / service to less than 1000 patients per month shall make an application in Form-I to the prescribed authority for grant of authorization.
4. The prescribed authority shall, on receipt of Form-I make such enquiry as it deems fit, and if it is satisfied that the applicant possesses the necessary capacity to handle the BMW in accordance with the Rules, may grant or renew an authorization, as the case may be.
5. It shall be the duty of every occupier of the Healthcare unit to take all steps to ensure that BMW is handled without any adverse effect to human health & environment. Every occupier, where required, shall set up requisite bio medical waste treatment facilities like incinerator, autoclave, microwave system for the treatment of waste or ensure requisite treatment of waste at a Common Waste Treatment Facility or any other waste treatment facility.
6. The municipal body of the area shall pick up and transport segregated non-biomedical waste generated in the hospitals and nursing homes, as well as duly treated BMW for disposal at the municipal dump site.
7. The BMW shall not be mixed with other wastes. The untreated BMW shall not be stored beyond a period of 48 hours without permission of the appropriate authority.
8. The occupier of the healthcare unit needs to maintain the records related to the generation, collection, reception, storage, transportation, treatment, disposal and / or any form of handling BMW.
9. Every occupier / operator shall submit an annual report (of the status of BMW management) to the State Pollution Control Board in Form-II by 31st January every year. The State PCB shall send this information in a compiled form to the CPCB by 31st March every year.

Region wise Status of Bio-Medical waste Management

S.N	Region	Total No. of Hospitals	Total No. of Beds	Total Quantity of BMW Generated	Incinerable	Disposable	Recyclable
1	Dehradun	338	7490	1355	740	344	271
2	Roorkee	137	2408	185	104	23	58
3	Haldwani	77	2570	496	106	114	276
4	Kashipur	121	1565	221	115	77	29

Status of Bio-medical Waste



	Dehradun	Roorkee	Haldwani	Kashipur
Incinerable	740	104	106	115
Disposable	344	23	114	77
Recyclable	271	58	276	29

There are two common biomedical waste treatment and disposal facilities exist in the State. The hospitals located at foothills of the Garhwal area and Kumaon areas are utilizing the facility of M/s Medical Pollution Control Committee at Mandawar, Haridwar district and Global BMW service Udham Singh Nagar, District having deep burial and incinerator respectively.

The hospitals of the hilly areas of the Uttarakhand State are adopting the option of deep burial for disposal of Bio-Medical Wastes. The Board always interact with the Indian Medical Association and facility provider for better planning and coordination for better management of Bio-medical Waste in the State.

5.4 Noise Pollution (Regulation & Control) Rules, 2006 as amended

The Ministry of Environment & Forest, Govt. of India has promulgated the Noise Pollution (Regulation & Control) Rules, 2000 as amended. According to the provisions of the Rule the State Pollution Control Boards or Pollution Control Committees in consultation with the Central Pollution Control Board shall collect, compile and publish technical and statistical data relating to noise pollution and measures devised for its effective prevention, control and abatement.

Standards for Ambient Noise Pollution is as follows: The statistical data Noise Pollution compiled by State is also shown in the table.

AreaCode	Category of Area / Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Note:- 1. Day time shall mean from 6.00 a.m. to 10.00 p.m.

1. Night time shall mean from 10.00 p.m. to 6.00 a.m.

2. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

3. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

Sound level monitoring of Dehradun City Sound Level dB (A)

Month	Race Course Near MLA House (Residential area)	Doon Hospital (Silence Zone)	Clock Tower (Commercial area)	Gandhi Park (Silence Zone)	Survey Chock (Commercial area)	C.M.I. Hospital (Silence Zone)
					68.6	69.3
Apr 13	56.4	52.6	71.8	55.1	63.4	68.8
May 13	54.2	53.3	70.4	52.9	64.5	68.8
June 13	54.7	53.3	70.4	52.9	61.1	71.2
July 13	52.7	51.8	71.5	52.4	62.6	70.2
August 13	53.7	52.8	72.5	49.3	64.2	71.4
Sept 13	52.9	54.6	73.3	51.2	69.8	68.4
Oct 13	60.5	62.4	75.2	57.5	70.46	69.98
Nov 13	55.89	58.83	74.29	55.64	70.27	71.28
Dec 13	56.1	58.02	72.89	55.35	70.23	70.55
Jan 14	61.65	56.55	70.66	57.47	71.21	72.1
Feb 14	63.2	55.2	75.3	58.1	72.4	74.1
Mar 14	63.4	53.9	76.4	54.6		

Board has also conducted the noise pollution monitoring at Dehradun during Deepawali festival, the status of Noise Pollution is as follows :

Sound Level monitoring data during Diwali in the Dehradun city in dB (A)

Locations	Normal Day			Deepawali Day		
	L Min	L. Max	Avg. Leq.	L. Min	L. Max	Avg. Leq.
Nehru Colony (Residential area)	49.1	65.63	54.96	58.95	71.4	68.68
Basant Vihar (Residential area)	42.33	53.45	46.16	54.46	71.11	62.09
Krishan Nagar (Residential area)	65.11	78.1	69	63.7	81.8	73
Saharanpur Chowk (Commercial area)	63.7	79	69.5	63.81	84.46	73.05
Race Course (Residential area)	44.48	66.15	51.46	59.6	78.7	68.65
CMI Hospital, Dehradun (Silence Zone)	57.63	76.35	65.19	61.51	77.91	67.98
Doon Hospital (Silence Zone)	52.48	68.25	58.53	59.03	75.18	65.56
Clock Tower (Commercial area)	66.15	82.16	71.83	64.9	81.91	72.33
Prince Chock (Commercial area)	64.68	79.93	70.73	62.76	79.8	69.88
Ballupur Chowk (Commercial area)	64.45	85.58	71.83	61.9	82.38	70.16

5.5 Plastic Waste Management

In order to regulate the manufacture, sale, distribution and use of recycled plastic carry bags and recycle plastic containers, Govt. of India has promulgated the "Plastic Manufacturer, Sale and Uses Rules 1999. The salient Features of Plastic Waste (Management & Handling) Rules, 2011 and amended as follows:

S.No.	Responsible Authority	Responsibilities
1	State Government	Constitution of State level Advisory Body to monitor the implementation of these rules in prescribed format- Secretary UD & UHD to chair the committee
2	State Pollution Control Board	Prescribed Authority for enforcement of the provisions related to registration, manufacture and recycling: (a) Grant of registration or renewal of registration for the manufacturing (b) Grant of registration or renewal of registration for the recycling (c) Take a decision on the grant of registration within 90 days of receipt of an application that is completed in all respects (d) Prepare and submit annual report to CPCB on the implementation of these rules by 30th day of September of each year
3	Central Pollution Control Board	Prepare a consolidated annual report on use and management of plastic waste and forward it to the central government along with its recommendations before 30th day of December each year
4	Municipal Authorities	Prescribed Authority for enforcement of the provisions related to use, collection, segregation, transportation and disposal of plastic waste: (a) Setting up operationalization and co-ordination of the waste management system for performing the associated functions: to ensure safe collection, storage, segregation, transportation, processing and disposal of plastic wastes, to ensure that open burning of plastic waste is not permitted etc. (b) setting up collection system for the plastic waste and concerned municipal authority may seek assistance of manufacturers of plastic carry bags, pouches etc. (c) work out the modalities of a mechanism based on Extended Producer's Responsibility involving such manufacturers and brand owners registered in it's jurisdiction. (d) Incorporate these rules in the Municipal by laws of all the urban Local Bodies (e) Encourage the use of plastic waste by adopting suitable technology such as in road construction, co-incineration etc.
5	Manufacturers & Recyclers	(a) Any person manufacturing/ recycling or proposing to manufacture/ recycle carry bags or multi-layered plastic shall apply to SPCB for grant of registration. (b) Require to obtain consent under Water Act & Air Act from SPCB and certificate of registration from DIC or any other government agency authorised in this regard prior to obtaining registration for manufacture/recycle from SPCB. (c) Each plastic carry bag and multi-layered plastic shall have printed information in English or in local language: Name, registration number of the manufacturer and thickness in case of carry bag (d) Each recycled bag shall bear a label or a mark "recycled" as shown in rule- 8 (b). (e) Each carry bag made from compostable plastic shall bear a label "compostable".

The State Govt. has promulgated the Uttarakhand Plastic and other non-biodegradable garbage (regulation of use and disposable) Act, 2013. The major features of the act are:

1. Restrictions or prohibition on use of certain things manufactured from non-biodegradable material.
2. Prohibition on throwing non-biodegradable garbage in public drain, sewers and water bodies.
3. Restrictions on burn of non-biodegradable.
4. Provisions for placement of receptacles and places for deposit of non-biodegradable garbage.
5. Duty of owners and occupiers to collect and deposit non-biodegradable garbage.
6. Power of local authority or competent authority for removal of non-biodegradable garbage or non-biodegradable material.
7. Penalties and punishment provisions have been made undersaid Act.

6.0 Celebration of World Environment Day

Apart from above the State Board in collaboration with Amar Ujjala has initiated month long activity for prize awarding campaign to the citizens who uses the cotton bags for the marketing purpose in the capital city to promote use of cotton bags instead of plastic carry bags. The Board has also distributed the cotton bags in the major sabjimandi markets for discourage to the use of plastic carry bags. The Uttarakhand Environment Protection & Pollution Control Board has organized the seminar on the occasion of World Environment Day, 2013 in collaboration with PHD Chambers of Commerce & Graphic Era University. During the seminar the experts had presented there views on environmental issues. The Board in association with students of Graphic Era University has distributed the cotton bags in the various areas of Dehradun City to discourage the use of plastic carry bags.



7.0 CONSENT MANAGEMENT UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 & WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

Consent / Authorization Management

Consent under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 is one of the most important functions of the Board. The guidelines for obtaining the Consent for the entrepreneurs are illustrated below:

Consent to Establish (NOC):

Before establishing/constructing a plant the proposed industry should obtain NOC under the Water Act and/or the Air Act. The application form for NOC (Consent to Establish) under the Water Act / Air Act is to be submitted in the office of the Board through online.

The amount is to be submitted as DD in favour of the Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Dehradun. Those who have obtained NOC need not submit application again in the above forms. NOC is to be obtained prior to carrying out any work at the site proposed for the project. The basic requirement for NOC is as follows :

- the site is suitable
- the application for NOC is accompanied by prescribe fee

- the required pollution control measures are provided.
- The validity of NOC is one year. NOC should be renewed if the unit is not commissioned by then. The documents to be submitted along with the consent application form for processing of the application are
- Land Documents / Lease agreements
- Project report with total investment.
- Non-agricultural Land Certificate from the competent authority.
- A site plan map showing location of the proposed site including surrounding location in details
- Details of layout plan indicating different processes and point sources of effluent discharge / air emission/solid waste/hazardous waste and position of stack / effluent treatment plant, including D.G. set capacity in KVA.
- Manufacturing process of each product with flow diagram, chemical reactions and material balance with water budget.
- A details list of raw material and inputs with quantity / amount to be utilized daily / monthly.
- Details of Water Pollution Control/Air Pollution Control Devices and Solid Waste / Hazardous Waste Management proposed to be provided.
- Details of land available for disposal of effluent and its are.
- Details of green belt development with area details.
- N.O.C. from the Directorate of Industries, Govt. of Uttarakhand.
- N.O.C. from the Urban / Rural Authority of the concerned site / location.

Consent to Operate (Initial) under Water and Air Act

The application form for Consent to Operate under the Water Act and Air Act should be submitted along with processing fee. The amount is to be submitted as DD in favour of the Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Dehradun.

The documents to be submitted along with the Renewal of Consent application form for processing of the application are :

- Land Documents / Lease agreements.
- Project report with total investment.
- Non-agricultural Land Certificate from competent authority.
- Details of water pollution control/air pollution control devices and solid waste / hazardous waste management facilities provided.
- Copy of environmental clearance or any other permission from Government of Uttarakhand or Govt. of India in case of first consent to operate, incase of industries / process requiring environmental clearance.
- Laboratory analysis report of the trade effluent / Ambient and Stack emissions.

Consent to Operate (Renewal).

Application for Consent to Operate (Renewal) is to be submitted in the 4th month before the expiry of the Consent order. The application form for Consent to Operate (Renewal) under the Water Act and Air Act should be submitted alongwith renewal fee as DD in favour of the Member Secretary, Uttarakhand Environment Protection & Pollution control Board, Dehradun.

The documents to be submitted along with the Renewal of consent application form for processing of the application are :

- Balanced Sheet Certified by C/A
- Previous CONSENT copy.
- Details of water pollution control/air pollution control devices and solid waste / hazardous waste management facilities provided.
- Copy of latest cess return / payment statement.

- CONSENT FEE in the form of Demand Draft drawn in favour of Member - Secretary, Uttarakhand Environment Protection & Pollution Control Board, Dehradun.
- Copy of environmental clearance or any other permission from Government of Uttarakhand in case of first consent to operate, in case of industries / process requiring environmental clearance.
- Laboratory analysis report of the trade effluent and Ambient & Stack emissions.
- Compliance report of the previously issued consent.

The fee structure for consent to establish, consent to operate and consent to renewal is as follows :

S.No.	Red/Orange Category Industries Capital Investment	Initial Fee (Rs)	Renewal Fee (Rs)	Green Category Industries		
				Capital Investment	Initial Fee (Rs)	Renewal Fee (Rs)
1	All projects above Rs.10,000 Crore	10,00,000	7,50,000	...	...	...
2	More than 5000 Crore and upto 10,000 Crore	7,50,000	5,00,000	...	...	...
3	More than 1000 Crore and upto 5000 Crore	5,00,000	4,00,000	...	...	...
4	More than 600 Crore and upto 1000 Crore	4,00,000	2,50,000	...	...	...
5	More than 300 Crore and upto 600 Crore	2,50,000	1,50,000	...	...	...
6	More than 100 Crore and upto 300 Crore	1,50,000	1,00,000	...	...	...
7	More than 50 Crore and upto 100 Crore	1,00,000	75,000	...	...	...
8	More than 5 Crore and upto 50 Crore	75,000	50,000	above 5 Crore	20,000	7,000
9	More than 01 Crore and upto 5 Crore	50,000	25,000	1 Crore to 5 Crore	10,000	4,000
10	More than 50 Lakh and upto 1 Crore	25,000	15,000	50 Lakh to 1 Crore	5,500	2,000
11	More than 10 Lakh and upto 50 Lakh	15,000	10,000	10 Lakh to 50 Lakh	2,000	1,000
12	Minimum Fee	10,000	5,000	1 Lakh to 10 Lakh	1,000	350
13.	----	----	----	Up to 1 Lakh	100	20

There are 44 industrial estate in the State of Uttarakhand. The districtwise distribution of the Industrial estates are shown in table.

Industrial State in Uttarakhand State:

S.N.	District	Name of Industrial Area/Estate/Complex/Growth Centre	Area occupied (Acr)
1.	Pauri Garhwal	a) Bubakhal	2.15
		b) Sitabpur	7.00
		c) Shrikot	11.63
		d) Jashodarpur (UPSIDC)	81.96
2.	Dehradun	e) Balbhadrapur (UPSIDC)	26.0
		a) Ranipokhri	2.55
		b) Chabra	2.55
		c) Ragwar	3.22
		d) Patel Nagar	10.0
		e) Vikas Nagar	4.0

3.	Haridwar	f) Selaqui	260.0
		a) Laksar	2.50
		b) Roorkee	30.227
		c) Ranipur	16.00
		d) Haridwar (UPSIC)	106.13
		e) Bahadrad (UPSIC)	132.55
		f) Landhaura (UPSIC)	102.99
		g) IIE- Haridwar	1500
4.	Tehri Garhwal	a) Nagni	1.67
		b) Lakshmolli	1.71
		c) Sorath	2.57
		d) Dhalwala (UPSIC)	25.47
5.	Chamoli	a) Kaleshwar	2.07
6.	Rudraprayag	b) Shimli (UPSIC)	28.85
7.	Uttarkashi	a) Bhatwanisaun	2.50
		a) Mori	2.68
		b) Dunda	1.11
		c) Gawana	1.10
8.	Nainital	d) Purola	1.60
		a) Betalghat	2.50
		b) Bhimtal	7.0
		c) Bhimtal (UPSIC)	107.85
9.	Udham Singh Nagar	d) Pipalsana (UPSIC)	30.18
		a) Kichha	2.45
		b) Kashipur	19.99
		c) Rudrapur	11.26
		d) Bazpur - 1. (UPSIC)	43.76
		e) Bazpur - 2. (UPSIC)	46.75
		f) Kashipur - (UPSIC)	97.78
		g) Hempur (UPSIC)	803.00
		h) Khatima (UPSIC)	25.79
		i) IIE, Pantnagar	10,000
10.	Champawat	a) Champawat (Punethi)	2.50
		b) Shaktipur (UPSIC)	8.30

The category wise and district wise distribution of Industrial units in Uttarakhand is shown in the table:

S.No.	District	Red	Orange	Green
1	Dehradun	16	183	404
2	Haridwar	326	608	832
3	Tehri	23	41	31
4	Uttarkashi	14	11	8
5	Chamoli	20	11	0
6	Rudraprayag	7	4	1
7	Nainital	71	108	55
8	Pauri	35	49	38
9	Pithoragarh	16	7	2
10	Bageshwar	8	2	3
11	Champawat	20	2	3
12	Almora	9	20	4
13	U.S. Nagar	359	403	450
Total		924	1449	1831

The Uttarakhand State Board has adopted the online consent and authorization system named as "Ganga XGN". The guideline for proponents is as follows:

Online guidance

<http://ueppcb.uk.gov.in>

<http://gpcb.guj.nic.in/ueppcb>

Ganga xgn → Ganga-XGN registration → fill up Performa (पैन न 0 सहइकाई संख्या भरकर गो करो तब निचे प्रारूप भरें) → Industry → में ईकाई का नाम भरा जायेगा, तथा अन्य Entries भी पूर्ण करी जायेंगी। फिर उसके बाद Save कर दें। (Save करने पर आपको ID Password मिल जायेगा / दिखाई देगा, जो उद्योग का आई.डी. व पासवर्ड होगा।) → Mobile No. → कृपया यह नम्बर भरते समय यह ध्यान दें कि पूर्ण Process के समस्त SMS इसी नम्बर पर भेजे जायेंगे।

ऑनलाईन एप्लीकेशन / आवेदन करने हेतु प्रक्रिया।

Online Application 1- 11 Step Industry Master (Profile)

ID Password (जो आई.डी. व पासवर्ड उद्योग को मिली है, उसे डालकर) → submit → Menu → Online Application → (ऑनलाईन एप्लीकेशन में जाने के बाद आपको निम्न टेबल के अनुसार 11 स्टेप दिख जायेंगे। उन 11 स्टेप में पहला स्टेप इन्डस्ट्री प्रोफाइल का है।)

Seq	IND	Heading	Action	Result
1	Open	Please Update Your Profile Precisely & Accurately	YES	
2	Open	Pls Update Technical Paras - Air, Water, Hazd Acts	---	
3	Open	Please File Your e-Return of Water - Cess	---	
4	Open	Entry of Sample Parameters PERMISSIBLE Values (AS per LAST CONSENT)	---	
5	Open	Pls Update PRODUCTS with Capacity/Month and RAW MATERIAL	---	
6	Open	LAB Bills NOT Paid Off even after 25 Days of Billing	---	
7	Open	Download / Merge / Upload / Applicable / STREAMLINE PDFs	---	
8	Open	W.C Outstanding Principal + Interest	---	
9	Open	Update Water Tech Paras (Tank Size and Catg Wise Breakup)	---	
10	Open	Open Environment Audit Report	---	
11	Open	PCB Queries raised, but NOT Replied !!!	---	

- 1- प्रथम चरण (Step 1)– सर्वप्रथम आवेदक अपना प्रोफाइल अपडेट करेंगे। प्रोफाइल अपडेट करने हेतु निम्न प्रक्रिया अपनायें। Open पर क्लिक करें → fill up Performa → फिर उपर साईड से क्लिक करें।) → Save.
2. द्वितीय चरण (Step 2)– उसके बाद आवेदक अपने Technical Paras-Air, Water, Hazd Acts. की डिटेल् को अपडेट करें।
 - i. ETP/STP सम्बन्धित समस्त सूचनाओं को अपडेट करें।
 - ii. Stack/चिमनी सम्बन्धित समस्त सूचनाओं को अपडेट करें। New Stack → समस्त सूचनाओं को भरें।
 - iii. Hazrdous Waste सम्बन्धित समस्त सूचनाओं को अपडेट करें।
3. तृतीय चरण (Step 3)– Water Cess सम्बन्धित जल्द ही लॉन्च होने वाला है।
4. चौथा चरण (Step 4) & Entry of Sample Parameters Permissible Values (As per Last Consent) : पूर्व में प्राप्त सहमति आदेश / Consent Order में वर्णित मानकों की Permissible Values को भरकर Save करें।
5. पाँचवा चरण (Step 5)–
6. छठवा चरण (Step 6)– आवेदक पर Pending Bill सम्बन्धित जानकारी हेतु।
7. सातवाँ चरण (Step 7) & Menu → online application → Download / Merge / Upload / Applicable / STREAMLINE PDFs → Select enclosure list (इस पर क्लिक करने के बाद आपको

एप्लीकेबल पर क्लिक करके सभी संलग्नकों की लिस्ट दिख जायेगी, जो-2 उद्योग पर लागू होता है या जिस-2 को वो ऑनलाईन द्वारा अटैच (भेजना) या एड करना चाहते हैं, उन पी.डी.एफ को कोस्ट में क्लीक / सलेक्ट कर दें) → Update फिर उपर साईड से क्लीक कर(upload (इस पर क्लीक करने के बाद जो हम संलग्न या एड कर चुके है उनकी लिस्ट आ जायेगी) → upload → (अपलोड पर क्लिक करने के बाद ब्रोज ऑप्शन आ जायेगा) → Browse → select PDFs file (ब्रोज करने के बाद कम्प्यूटर ड्राईव दिखेगी, जहाँ पर आपने पी.डी.एफ फाईल रखी है उस फाईल को सलेक्ट करके ओपन करें → open (ओपन करने से सलेक्ट पी.डी.एफ. फाईल ब्रोज के सामने दिख जायेगी) → click to relative encloser (फिर ब्रोज के सामने फाईल के नीचे सम्बन्धित संलग्नक के सामने क्लीक करके एड कर दें।)
(नोट- पी.डी.एफ फाईलों को बनाते समय यह ध्यान रखें कि एक पी.डी.एफ. 4 MB से अधिक ना हो, तथा नौ पृष्ठों से अधिक ना हो। अगर नौ पृष्ठों से अधिक का पी.डी.एफ. है तो उसके दो-तीन पी.डी.एफ. कर सबको एक-एक कर अपलोड करें।)

8. आठवाँ चरण (Step 8) & वर्तमान में लागू नहीं।

9. नौवाँ चरण (Step 9) & Water के Technical Parameters जैसे की ETP के Component के Size तथा Unit (प्रत्येक उद्योगों के अनुसार) तथा Water का श्रेणीवार Breakup भरें।

10. दसवाँ चरण (Step 10) & Open → Environment Audit Report / Environment Statement Form V → सम्बन्धी कोड पर क्लिक करें। (उदाहरण Environment State V हेतु Env पर क्लिक करें। Environment Audit Report हेतु Ear पर क्लिक करें।) → Browse करके अपनी पी.डी.एफ फाईल सलेक्ट करके उसे → upload पर क्लिक करें।

11. ग्यारहवाँ चरण (Step 11) & online Application → 11th Point (PCB Queries raised) → Open (इस पर क्लीक करने से उद्योग के बारे में दिखा देगा और स्टेट्स पर क्वेरी दिखायेगा। डिटेल्स को एडिट करना है तो आई.डी. पर क्लीक करें, नहीं तो क्वेरी पर क्लीक करें।) → Click Query → Reply → (इसमें अपना जवाब लिखकर सेन्ड करें) → Send reply (सेण्ड रिपलाई करने से उद्योग का जवाब बोर्ड को आ जायेगा (यदि क्वेरी के अलावा कुछ पी.डी.एफ एड करना है तो मेन्यू में क्लिक करने के बाद पी.डी.एफ. एप्लीकेबल में जाकर जो पहले पी.डी.एफ. लोड किये हैं उन्हें क्लीक / सही के निसान से हटाकर सिर्फ जो नया पी.डी.एफ. एड कर रहे हो उस पर क्लीक / सही करके जैसे पहले पी.डी.एफ लोड किया वैसे ही करें)

इसके बाद इनवर्ट नं. प्राप्त करें

Menu → online application → Add Inward → fill up Performa → save.

(सेव करने पर एक इनवर्ट नं. मिल जायेगा, जो उद्योग का इनवर्ट नं. होगा, उसे नोट कर लें।)

ID Passwords → Menu → online Application (ऑनलाईन एप्लीकेशन में जाकर आपको ग्यारहवें बिन्दू के एक्सन पर Yes दिखने पर Open → Id पर क्लिक करें → नीचे दिये गये बॉक्स पर अपनी क्वेरी का जवाब दें → Save.

(नोट- यह प्रक्रिया आपको स्टैप बाई स्टैप मोबाईल से एसएमएस द्वारा प्राप्त होगी। यदि आपकी एप्लीकेशन को स्वीकृति प्राप्त होती है, तो आपको एसएमएस द्वारा सूचित किया जायेगा। तत्पश्चात आगे का प्रोसिजर करें।)

ID Passwords → menu → online Application (इस पर क्लीक करने से बोर्ड द्वारा अगर उसे एक्सेप्ट कर लिया गया है, तो उसकी लिस्ट आ जायेगी) (ऑनलाईन एप्लीकेशन पर जाने से डी.डी. का प्रारूप आ जायेगा, जिसमें आपको डी.डी. की डिटेल्स भरनी है अतः) → Update (ऑन लाईन डी.डी. भरने के बाद आप फॉरवर्ड लेटर के साथ मूल डी.डी. प्रेषित करें।)

Forwarding letter + Form D + Form I + Form 1 + CA Certificate + DD को RO (क्षेत्रीय कार्यालय) Dehradun / Roorkee/Haldwani/Kashipur में जमा करा दें।

8.0 Prosecutions launched and convictions secured for Environmental Pollution Control

During the financial Year 2013 -14, the show cause/closure notices issued to defaulter industrial units, under : Air (Prevention & Control of Pollution) Act 1981, Water (Prevention & Control of Pollution) Act, 1974 and Environment (Protection) Act, 1986 is shown in table : The list of units issued show cause notice and closure notice

Show Cause Notice	Closure Notice
M/S Suyash Udhyag Pvt. Ltd., Kishanpur, US Nagar	M/s Jay ace Technologies, Raipur, Bhagwanpur, Haridwar
M/S Amit Gramodhyag Sansthan, Banjarawal, Haridwar	M/s Amit Gramodhyog Sansthan, Banjarawal, Haridwar
M/S Divya Pharmacy, Old Industrial Area, Haridwar	M/s Himalaya Society for development (Stone Crusher), Banjarawala

M/S Himalaya Society for development (Stone Crusher), Banjarawala	Crusher), Banjarawala
M/S Indian Brick field, Bijoli, Bhagwanpur, Chandanpur, Haridwar	M/s Rishab Velveleen Ltd., Jwalapur, Haridwar
M/S Rana Stone Crusher Society (Stone Crusher), Banjarawala, Haridwar	M/s Lakshmi Cotsyn Ltd., Bantakhedi, Haridwar
M/S A.P. Rubber Industries, UPSIDC Ind. Estate, Bahadrapad, Haridwar	M/s Suyash Udhyog Pvt. Ltd., Kishanpur
M/S Shabri Brick Field, Landhora, Haridwar	M/s JMD Enterprises, Begumpur
M/S Raja Brick Field, Landhora, Haridwar	M/s Sunmax Auto Engineering Pvt. Ltd., IIE, Ranipur
M/S Agrawal Rice Mills, Ramnagar	M/s Agarwal Rice Mills, Ramnagar
M/S Comfory International, Salempur Rajputana, Roorkee	M/s Rana Stone Crusher Society, Banjarawala
M/S Alps Industries Ltd., IIE Haridwar	M/s Kevin Power Solution Ltd., (Unit-2), Lakeshwari
M/S Purshottam Ispat, Roorkee	M/s A.P. Rubber Industries, Bahadrapad, Haridwar
M/S Axa Parentals Ltd., Kishanpur	
M/S Archidply Industries Ltd., IIE Pantanagar	
M/S Hotel The Amaris, Rishikesh	
M/S Apple Formulation Pvt. Ltd., Bhagwanpur	
M/S Shddharth Papers Ltd., Kashipur, US Nagar	
M/S Sidheshwari Paper Udhyog Ltd., Kashipur	
M/S Canadian Speciality Vinyls, Mahaukhedaganj	
M/S PMV Malting Pvt. Ltd., Mahuakhedaganj	
M/S Kashi Vishwanath Textile Mills Ltd., Ramanagar Road, Kahipur	
M/S PMV Nutrient Pvt. Ltd., Mahuakhedaganj	
M/S Royal Processing and Components, Mahuakhedaganj	
M/S Euro Life Healthcare Pvt. Ltd., Bhagwanpur	
M/S Ragib Chilling Plant, Maukhanpur	
M/S United Engineers, Begumpur	
M/S Meenakshi Polymers Pvt. Ltd., Salempur-Rajputana	
M/S Sky Map Pharmaceuticals, Bantakheda, Haridwar	
M/S Pulse Pharmaceuticals Pvt. Ltd., Bhagwanpur	
M/S UP Bone Mills Pvt. Ltd., Roorkee	

Apart from above, the State Board has initiated the legal action against the 13 local boies and 05 other organisations under Section 19(A) of the Environment (Protection) Act-1986 before the Designated Court in March, 2013. The list of such local bodies/Industries is as follows :

1. Nagar Nigam, Haldwani, Distt. Nainital
2. Nagar Palika Parishad, Ram Nagar, Distt. Nainital
3. Nagar Palika Parishad, Bhawali, Distt. Nainital
4. Nagar Palika Parishad, Kashipur, Distt. Udham Singh Nagar
5. Nagar Palika Parishad, Jaspur, Distt. Udham Singh Nagar
6. Nagar Palika Parishad, Mussoorie, Distt. Dehradun
7. Nagar Palika Parishad, Rishikesh, Distt. Dehradun
8. Nagar Nigam, Haridwar
9. Cantt. Board, Roorkee, Distt. Haridwar
10. Nagar Palika Parishad, Manglour, Distt. Haridwar
11. Nagar Panchayat, Landora, Distt. Haridwar
12. Nagar Panchayat, Jhabreda, Distt. Haridwar
13. Nagar Panchayat, Laksar, Distt. Haridwar

5. Nagar Palika Parishad, Jaspur, Distt. Udham Singh Nagar
6. Nagar Palika Parishad, Mussoorie, Distt. Dehradun
7. Nagar Palika Parishad, Rishikesh, Distt. Dehradun
8. Nagar Nigam, Haridwar
9. Cantt. Board, Roorkee, Distt. Haridwar
10. Nagar Palika Parishad, Manglour, Distt. Haridwar
11. Nagar Panchayat, Landora, Distt. Haridwar
12. Nagar Panchayat, Jhabreda, Distt. Haridwar
13. Nagar Panchayat, Laksar, Distt. Haridwar
14. M/s J.P. Residency, Mussoorie
15. M/s Graphic Era Hills University, Dehradun
16. M/s M/s Susila Devi Center for Professional Education
17. M/s Sun Ku Soap Stone Mines
18. M/s GTM Builders & Promoters, Dehradun.

9.0 Water Cess

Water (Prevention & Control of Pollution) Cess Act, 1977

The Ministry of Environment & Forest, Govt. of India has promulgated the Water (Prevention & Control of Pollution) Cess Act, 1977. The salient features of the act is as follows:

- These shall be levied and collected a Cess for the purpose of the water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) and utilisation there under.
- The Cess under sub-section (1) shall be payable by every person carrying on any specified industry and every local authority and shall be calculated on the basis of water consumed by such person or local authority, as the case may be, for any of the purpose specified in column (1) of Schedule II, at such rate, not exceeding the rate specified in the corresponding entry in in column (2) thereof, as the Central Government may, be notification in the Official Gazette, from time to time, specify

S.No.	Purpose for which water is consumed	Maximum rate under sub-section (2) of section 3	Maximum rate under sub-section (2A) of section 3
1.	Industrial cooling, spraying in mine pits or boiler feeds	One and a half paise per	Two and one-fourth per kilo litre
2.	Domestic purpose	Two paise per kilo litre	Three paise per kilo litre
3.	Processing whereby water gets polluted and the pollutants are easily biodegradable and are toxic.	Four paise per kilo litre	Seven and a half paise per kilo litre
4.	Processing whereby water gets polluted and the pollutants are not easily biodegradable and are toxic.	Five paise per kilo litre	Nine and a half paise per kilo litre

- Where any local authority supplies water to any person carrying on any specified industry or to any other local authority and such person or other local authority is liable to pay Cess under sub-section (2) or sub-section (2A) in respect of the water so supplied, then notwithstanding anything contained in that sub-section, the local authority first mentioned shall not be liable to pay such Cess in respect of such water.
- For the purpose of measuring and recording the quantity of water consumed, every person carrying on any specified industry and every local authority shall affix meters of such standards and at such places as may be prescribed and it shall be presumed that the quantity indicated by the meter has

been consumed by such person or local authority, as the case may be, until the contrary is proved.

- Every person carrying on any specified industry and every local authority, liable to pay the Cess under section 3, shall furnish such returns, in such form at such intervals and containing such particulars to such officer or authority as may be prescribed who will in turn assess the amount of Cess.
- Where any person or local authority, liable to pay the Cess under this Act, installs any plant for the treatment of sewage or trade effluent, such person or local authority shall from such date as may be prescribed, be entitled to a rebate of twenty five percent of the Cess payable by such person or, as the case may be local authority.
- Provided that a person or local authority shall not be entitled to a rebate, if he or it
 - consumes water in excess of the maximum quantity as may be prescribed in this behalf for any specified industry of local authority; or
 - fails to comply with any of the provisions of section 25 of the Water (prevention and Control of Pollution) Act, 1974 (6 of 1974) or any of the standards laid down by the Central Government under the environment (Protection) Act, 1986 (29 of 1986).]
- Any officer or authority of the State Government specially empowered in this behalf by that Government may,
 - With such assistance, if any, as he or it may think fit, enter at any reasonable time any place which he or it considers it necessary to enter for carrying out the purposes of this Act including the testing of the correctness of the meters affixed under section 4;
 - do within such place anything necessary for the purpose discharge of his or its during under this Act; and
 - exercise such other powers as may be prescribed.
- If any person carrying on any specified industry or any local authority fails to pay any amount of Cess payable under section 3 to the State government within the date specified in the order of assessment made under section 6, such person or local authority, as the case may be, shall be liable to pay [interest on the amount to be paid at the rate of two percent for every month or part of a month comprised in the period from the date on which such payment is due till such amount is actually paid.
- Any amount due under this Act (including any interest or penalty payable under section 10 or section 11, as the case may be) from any person carrying on any specified industry or from any local authority may be recovered by the Central Government in the manner as an arrear of land revenue.
- Any person or local authority aggrieved by an order of assessment made under section 6 or by an order imposing penalty made under section 11 may, within such time as may be prescribed, appeal to such authority in such form and in such manner as may be prescribed. Every appeal shall be accompanied by such fees as may be prescribed.
 - (1) Whoever, being under an obligation to furnish a return under this Act, furnishes any return knowing, or having reason to believe, the same to be false shall be punishable with imprisonment which may extend to six months or with fine which may extend to one thousand rupees or with both.
 - (2) Whoever, being liable to pay Cess under this Act willfully or intentionally evades or attempts to evade the payment of such Cess shall be punishable with imprisonment which may extend to six months or with fine which extend to one thousand rupees or with both.

The Central Government may make rules for carrying out the purpose of this Act. Without prejudice to the generality of this foregoing power, such rules may provide for all or any of the following matters, namely:-

- the standards of the meters to be affixed and the places at which such-meters are to be affixed under sub-section (1) of section 4;
- the returns to be furnished under section 5, the form in which and the intervals at which such returns are to be furnished, the particulars which such returns contain and the officer or authority to who or which such returns shall be furnished.
- the manner in which and the time within which the Cess collected shall be paid to the Central Government under sub-section (4) of section 6;
- the date from which any person or local authority liable to pay Cess shall be entitled to the rebate (and the maximum quantity of water in excess of consumption whereof any person or local authority shall not be entitled to the rebate) under section 7.
- The powers which may be exercised by the officer or authority under section 9.
- The authority which may impose penalty under section 11;
- The authority to which an appeal may be filed under sub-section (1) of section 13 and the time within which and the form and manner in which such appeal may be filed;
- The fees which shall accompany an appeal under sub-section (2) of section 13; and
- Any other matter which has to be or may be prescribed.

Water Cess received during the year 2013-14.

Month	Amount per month (Rs. in Lacs)	
	2012-13	2013-14
Apr 13	21.00	49.30
May 13	33.4	12.96
June 13	10.14	7.13
July 13	24.13	46.02
Aug 13	30.0	18.34
Sept 13	11.66	14.94
Oct 13	109.39	20.57
Nov 13	25.68	13.31
Dec 13	15.48	3.53
Jan 14	59.63	109.23
Feb 14	10.66	103.72
Mar 14	71.74	91.98
Total	423.06	491.08

10.0 Finance & Accounts of the Board

Proposed Budgeted Income for the F.Y. 2013-14 (Amt. in Lac)

Proposed Budget for F.Y. 2013-14													Income Achievement against Budget				
S.No	Head	HO	ROD	ROR	ROK	ROH	Total	HO	ROD	ROR	ROK	ROH	Total				
1	Consent Fee		150.00	250.00	225.00	75.00	700.00	2.55	169.05	402.58	448.96	64.92	1088.06				
2	NOC Fee		50.00	50.00	50.00	25.00	175.00		32.19	43.00	51.43	14.06	140.68				
3	Hazardous Fee		25.00	50.00	50.00	25.00	150.00	0.70	5.20	59.60	1.10		66.60				
4	Analysis Fee		3.00	6.00	5.00	3.00	17.00	0.09	4.45	6.49	10.86	4.31	26.20				
5	Bio-Medical Fee		3.00	3.00	2.00	2.00	10.00	0.04	1.89	1.41	1.68	1.28	6.30				
6	Interest On FDR	600.00	-	-	-	-	600.00	913.95					913.95				
7	Cess Reimb. From MOEF	400.00	-	-	-	-	400.00	479.79					479.79				
8	Other Fee/Namp Reimb.	87.00	0.50	0.50	0.50	0.50	89.00	73.53	1.25	2.17	3.27	1.55	81.77				
TOTAL		1087	231.50	359.50	332.50	130.50	2141.00	1470.65	214.03	515.25	517.30	86.12	2803.35				

Income Achievement against Budget

S.No	Head	Actual Income 31st March.2014	Proposed Budgeted Income for F.Y. 2013-14
1	Consent Fee	1088.06	700.00
2	NOC Fee	140.68	175.00
3	Hazardous Fee	66.60	150.00
4	Analysis Fee	26.20	17.00
5	Bio-Medical Fee	6.30	10.00
6	Interest On FDR	913.95	600.00
7	Cess Reimbursement from MoEF	479.79	400.00
8	Other Fee/ Namp Reimb.	81.77	89.00
TOTAL		2803.35	2141.00
S.No	Head	Actual Expenses 31st March.2014	Proposed Budget Expenses for F.Y. 2013-
Operational & Capital Expenditure			
1	Head Office	629.47	916.15
2	RO Dehradun	62.30	61.40
3	RO Roorkh	37.28	159.40
4	RO Kashipur	60.32	159.40
5	RO Haldwani	50.58	57.65
TOTAL		839.94	1354.00

Detail of Budget & Expenditure

Actual Expenses for F.Y. 2013-14

Proposed Budget for F.Y. 2013-14

S.No	Head	HO	ROD	ROR	ROK	ROH	Total	HO	ROD	ROR	ROK	ROH	Total
I	Pay & Allowances:												
	Salary, Wages & Allowances	120.00	30.00	30.00	30.00	30.00	240.00	173.34	31.46	16.80	33.81	30.61	286.02
	EPF(Employer Cont.)	24.00	-	-	-	-	24.00	26.06	-	-	-	-	26.06
	Total	144.00	30.00	30.00	30.00	30.00	264.00	199.40	31.46	16.80	33.81	30.61	312.08
II	Remunerations & Fee												
	Fees to Board Members	2.00	-	-	-	-	2.00	-	-	-	-	-	0
	Public Awareness	30.00	-	-	-	-	30.00	-	-	-	-	-	0
	Tech. Consultancy & Seminar	20.00	-	-	-	-	20.00	0.18	-	-	-	0.17	0.38
	Total	52.00	0	0	0	0	52.00	0.18	0	0	0.17	0.03	0.38
III	Administrative Expenses:												
	Travelling & Conveyance	10.00	1.00	1.00	1.00	1.00	14.00	1.02	0.46	0.61	0.12	0.23	2.44
	Rent, Rates & Taxes	-	4.00	3.00	3.00	-	10.00	2.55	2.49	2.94	3.56	-	11.54
	Office & Misc. Expenses	20.00	0.50	0.50	0.50	0.50	22.00	0.47	0.65	0.33	6.71	7.53	15.69
	Printing & Stationery & Postage	8.00	1.00	1.00	1.00	1.00	12.00	4.64	0.76	0.72	0.42	0.25	6.79
	Vehicle Maint. & Fuel	15.00	3.00	3.00	3.00	3.00	27.00	5.97	1.52	0.28	2.78	1.72	11.99
	Advertisement & Public Hearing	20.00	0.25	0.25	0.25	0.25	21.00	5.42	0.05	0.28	-	-	5.75
	Hospitality & Employee Welfare	5.00	0.25	0.25	0.25	0.25	6.00	0.38	0.05	-	-	-	0.43
	Training & Workshops & Books	5.00	0.25	0.25	0.25	0.25	6.00	-	-	-	-	-	0.00
	Leaseline/Online-BSNL	3.00	1.00	1.00	1.00	1.00	7.00	0.83	0.74	-	-	-	1.57
	Electricity & Water Charges etc.	2.00	0.75	0.75	0.75	0.75	5.00	1.01	0.80	0.30	0.10	1.35	3.56
	Building Maintenance	10.00	0.25	0.25	0.25	0.50	11.25	2.33	-	-	-	-	2.33
	Legal & Audit & Professional	15.00	-	-	-	-	15.00	8.52	0.22	-	-	-	8.74
	Outsourcing & contractors	25.00	6.00	6.00	6.00	6.00	49.00	32.26	10.22	11.62	-	-	54.10
	Telephone Expenses	2.50	0.25	0.25	0.25	0.25	3.50	0.96	0.09	1.47	2.49	1.59	6.60
	Vehicle Hire charges	-	-	-	-	-	-	3.37	0.25	2.16	-	-	5.78
	Total	140.5	18.5	17.5	17.5	14.75	208.75	69.73	18.30	20.43	16.18	12.67	137.31
IV	Other Expenses												
	SOE Report	3.00	-	-	-	-	3.00	-	-	-	-	-	0
	Public Awareness	20.00	-	-	-	-	20.00	1.18	-	-	-	-	1.18
	Total	23.00	-	-	-	-	23.00	1.18	0.00	0.00	0.00	-	1.18
V	Laboratory Expenses												
	Sample Testing & Lab. Exp.	5.00	2.50	1.50	1.50	2.50	13.00	-	1.37	-	1.08	0.58	3.03
	Transport for Sampling Kits	2.00	0.50	0.50	0.50	0.50	4.00	-	-	0.05	-	0.02	0.07
	Total	7.00	3.00	2.00	2.00	3.00	17.00	0.00	1.37	0.05	1.08	0.60	3.10
VI	Loans & Advances												
	Vehicle Loan Advance	10.00	-	-	-	-	10.00	-	-	-	-	-	0
	House Loan Advance	15.00	-	-	-	-	15.00	-	-	-	-	-	0
	Computer Loan Advance	3.00	-	-	-	-	3.00	-	-	-	-	-	0
	Festival Advance	2.00	0.50	0.50	0.50	0.50	4.00	-	-	-	-	-	0
	Total	30.00	0.50	0.50	0.50	0.50	32.00	0.00	0.00	0.00	0.00	0.00	0

11.0 List of employees of Uttarakhand Environment Protection and Pollution Control Board

Annual Report

Head Office

S.No.	Name	Designation
1.	Sh. Vinod Singhal, IFS	Member Secretary
2.	Sh. Chandan Singh	Environment Officer
3.	Sh. Amarjeet Singh	Environment Officer
4.	Sh. Sudarshan S. Pal	Scientific Officer
5.	Sh. V.K. Joshi	Assistant Scientific Officer
6.	Sh. P.K Joshi	Assistant Environment Officer
7.	Dr Rajender Singh	Scientific Assistant
8.	Dr Rakshima Dobhal	Scientific Assistant
9.	Sh. Prakash Devrani	Account Officer (I/c) (Cont)
10.	Sh. Krishna Kandiyal	Accountant(Cont)
11.	Sh. Kulbeer Singh Negi	Lower Divisional Clerk
12.	Sh. Rajesh Kumar	Lower Divisional Clerk (Cont)
13.	Sh. Balbir Singh Bhandari	Driver
14.	Sh. Ummed Singh Cahuhan	Peon
15.	Sh. Riksheshwar Prasad	Peon
16.	Sh. Pradeep Negi (Cont)	Peon (Cont)
17.	Sh. Manoj Sharma (Cont)	Driver (Cont)
ENVIS Project		
1.	Smt. Niharika Dimri	Information Officer
2.	Smt Rachana Nautiyal	IT Assistant cum DEO
Outsource/UPNL		
1.	Km. Prachi Gautam	Assistant Programmer
2.	Km. Pooja Padiyar	Data Entry Operator
3.	Smt. Sunita	Data Entry Operator
4.	Mr. Deepak	Data Entry Operator
5.	Mr. Vinay Mohan Uniyal	Accountant
6.	Mr. Jaideep	Accountant
7.	Sh. Dinesh Chandra Goniya	Clerk
8.	Sh. Ghanshyam Gurung	Security Guard
9.	Sh. Amar Dev	Security Guard
10.	Sh. Anandmani Pant	Security Guard
11.	Sh. Chandra Sehkar Nainwal	Driver
12.	Sh. Sohan Lal	Peon
13.	Sh. Amit kumar	Peon

Regional Office, Dehradun

S.No.	Name	Designation
1.	Sh. S.S. Rana	Regional Officer
2.	Dr. Ajeet Singh	Assistant Scientific Officer (Cont.)
3.	Sh. Subash Panwar	Junior Engineer
4.	Sh. Sunder Singh Chauhan	Scientific Assistant
5.	Sh. Sanjay Dimri	Scientific Assistant
6.	Sh. Sunil Dabral	Monitoring Assistant (Cont.)
7.	Sh. Attar Singh	Monitoring Assistant (Cont.)
8.	Sh. Mahaveer Singh	Lower Division Clerk
9.	Sh. K.D. Chamoli	Driver
10.	Sh. Bachan Singh	Peon
11.	Smt. Prakashveri Devi	Peon
NAMP Project		
1.	Sh. Ravindar Pundir	Scientific Assistant
2.	Sh. Ritesh Kumar	Monitoring Assistant

3.	Km. Rukhsana Bano	Monitoring Assistant
4.	Sh. Sachit Aswal	Monitoring Assistant
5.	Smt. Sandhya Sharma	Monitoring Assistant
6.	Km. Seema Kandwal	Monitoring Assistant
7.	Km. Preeti Kemini	Monitoring Assistant
Outsource/UPNL		Data Entry Operator
1.	Sh. Sanjay Kumar	Security Guard
2.	Sh. Sukhbadur Gurung	Security Guard
3.	Sh. Anil Thapa	Security Guard
4.	Sh. Ashok Thapa	Sweeper
5.	Sh. Rajeev	

Regional Office, Roorkee

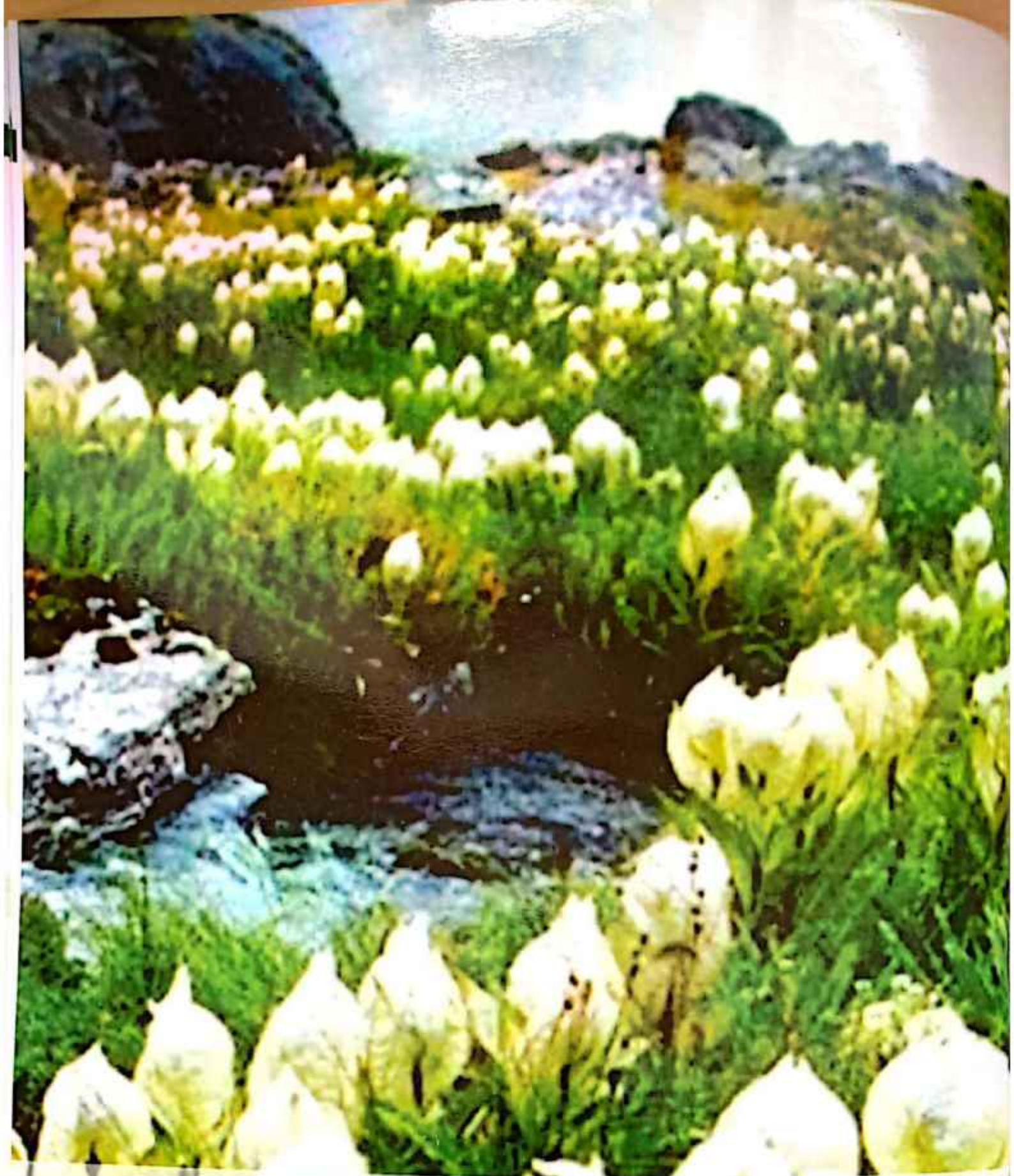
S.No.	Name	Designation
1.	Dr. Ankur Kansal	Regional Officer
2.	Sh. Rakesh Kandari	Assistant Environment Engineer (Cont.)
3.	Sh. Anurag Negi	Junior Engineer
4.	Sh. Umesh Grewal	Upper Division Clerk
NAMP Project		Scientific Assistant
1.	Km. Geeta Bhatt	Monitoring Assistant
2.	Sh. Mahendra Semwal	Monitoring Assistant
3.	Sh. Manendra Singh Rana	Monitoring Assistant
4.	Sh. Sudheer Mohan Shrey	Monitoring Assistant
5.	Smt. Sudha Rawat	Monitoring Assistant
Outsource/UPNL		Data Entry Operator
1.	Km. Kajal Kainthura	Data Entry Operator
2.	Km. Nimmi Pundir	Driver
3.	Sh. Anand Bhatt	Security Guard
4.	Sh. Bhagat Ram	Security Guard
5.	Sh. Amar Singh	Security Guard
6.	Sh. Manohri Lal	Peon
7.	Sh. Makan Lal	Sweeper
8.	Sh. Sanjeev	

Regional Office, Kashipur

S.No.	Name	Designation
1.	Sh. Sompal Singh	Regional Officer
2.	Sh. R.K. Chaturvedi	Assistant Scientific Officer (Cont.)
3.	Sh. Sunil Arya	Assistant Environment Engineer (Cont.)
4.	Sh. Naresh Goswami	Junior Engineer
5.	Sh. Soban Singh Bisht	Section Officer
6.	Sh. Anand Singh Negi	Peon
7.	Sh. Surender kumar	Peon
NAMP Project		Scientific Assistant
1.	Sh. Amit Bhardwaj	Monitoring Assistant
2.	Sh. Mahender Semwal	Monitoring Assistant
3.	Sh. Dharendra Singh	Monitoring Assistant
4.	Sh. Deependra Bhatt	Monitoring Assistant
5.	Sh. Ganga Prasad Bhatt	Monitoring Assistant
Outsource/UPNL		Data Entry operator
1.	Sh. Manoj Joshi	Driver
2.	Sh. Umesh Negi	Driver
3.	Sh. Anand Bhatt	

Regional Office, Haldwani

S.No.	Name	Designation
1.	Dr. D.K. Joshi	Regional Officer
2.	Sh. Amit Pokhriyal	Junior Engineer
3.	Sh. Harish Joshi	Scientific Assistant
4.	Sh. Mohit Khulbe	Accountant (Cont.)
5.	Sh. Ghyan Singh	Peon
6.	Sh. Rajender Prasad	Peon
7.	Sh. Gopal Dutt	Peon
8.	Sh. Mahendra Singh	Driver
NAMP Project		
1.	Sh. Amit Bhardwaj	Scientific Assistant
2.	Sh. Parveen Arya	Monitoring Assistant
3.	Sh. Chandra Vallabh Joshi	Monitoring Assistant
4.	Sh. Vikas Raj	Monitoring Assistant
Outsource/UPNL		
1.	Miss. Niharika Upreti	Data Entry Operator
2.	Sh. Tara Dutt	Security Guard
3.	Sh. Hukum Singh	Security Guard
4.	Sh. Mahendra Singh	Security Guard
5.	Sh. Rajendra Kumar	Swipper



पोलोथिन का प्रयोग न करें तथा अपने पर्यावरण को सुरक्षित रखें।

Uttarakhand Environment Protection & Pollution Control Board
29/30 Nemi Road, Dalanwala, Dehradun