

ENVIRONMENT STATUS REPORT UTTARAKHAND



An Environmental Status Report to address
various Environmental Aspects Pertaining
to Uttarakhand

Status of Environment

Project By: Uttarakhand Environment
Protection & Pollution Control Board,
29/20, Nemi Road, Dalanwala,
Dehradun (Uttarakhand)



***Specific TOR#1.c: Status of
Management of Bio-medical
Waste in Uttarakhand***

2017



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District Map of Uttarakhand (NTS)



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Dedicated to environment-clean & green

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Preface

Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) plays its role not merely as a regulator but also as a facilitator. Proactively, the Board has decided to make existing procedure for consents and authorizations renewals simpler for the industries complaint with environmental laws and having no change in existing products as well pollution load. In past years UEPPCB Head office & its Regional offices organized environmental awareness programmes, workshops and seminars on a regular basis to create awareness among the people for pollution control and environment management in the state of Uttarakhand. Uttarakhand Environment Protection & Pollution Control Board has taken many steps to set up of common infrastructure facilities to control the environmental pollution in the state. The board has implemented computerization so as to be able to know the up-to-date status of applications, grants, pending work, treatment of wastes etc. at any point of time UEPPCB is monitoring the water quality in the state of Uttarakhand in order to comply with the mandate of Water (Prevention & Control of Pollution) Act, 1974 and to disseminate awareness about the quality status of water and industrial waste water discharge. Board is also monitoring water quality under National Water Monitoring Programme (NWMP) and State Water Monitoring Programme (SWMP) at various locations as per uniform monitoring protocol of CPCB/MoEF& CC, New Delhi.



The Environment Status Report of Uttarakhand by UEPPCB endeavours to bring on record the documentation of Environment Status up to 2017. The Environment Status Report of Uttarakhand is a very comprehensive document and a tool for action/ planning for improvement of environment in the state. The report highlights areas of concern such as status of industrial pollution, status of municipal solid waste management, sewage management, biomedical waste management, and plastic waste management, battery waste management including e-waste which contains significant quantities of hazardous metals such as lead, mercury and cadmium. The prevalence of improper recycling and disposal operations of the different kinds of wastes such as open burning of waste, dumping into river etc. is also looked into.

I would like to thank all the experts specially, Dr. R. K. Singh, Dr. Arpita Sinha, Mr. Satyendra Singh, Er. Naveen Singh, Shri R.S. Shukla (IFS) and Shri R. S. Agarwal for having given a valuable feedback in the preparation and finalization of Environment Status Report.

A handwritten signature in blue ink, appearing to read 'Ranbir Singh', written over a horizontal line.

(Dr. Ranbir Singh)

Additional Chief Secretary
Chairman

Uttarakhand Environment Protection and Pollution Control Board

Foreword

Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) is proud to publish Environment Status Report of Uttarakhand as a more comprehensive document detailing the present management status of environmental concerns faced by the state. The present status report has covered six prime areas of environmental concerns in the state of Uttarakhand viz. status of sewage management, status of municipal solid waste management, status of management of bio-medical waste, status of plastic waste and management and inventorization of its recycling units, status of E-waste generation and management and status of the batteries (management and handling) rules. The report also covers status of industrial pollution control in large, medium and small scale industries in Uttarakhand.



The objectives of the Environment Status Report is to:

- provide accurate, timely and accessible information to the community and government regarding the condition of the environment, underlying pressures like gap in generation and treatment, formulating and preparing strategies & action plans for effective management ;
- evaluate the effectiveness of community and government actions, policies, and initiatives in terms of progress towards sustainability, and
- increase community and government understanding of environmental and sustainability trends and interactions.

I congratulate the entire team of UEPPCB and consultants involved in the preparation of the Environment Status report for conducting field surveys, environmental sampling & monitoring to assess the current trend and extensively collecting, compiling and collating related data from respective line departments and to eminent resource persons from various departments whose inputs were indeed valuable in the preparation and finalization of the report. I hope the Environment Status Report of Uttarakhand would prove to be useful to the public of Uttarakhand at large and to the experts working in this area in particular. Contributions by learned members of various Research and Educational Institutions for their valuable comments are highly appreciated for helping us in finalizing the Environment Status Report.

A handwritten signature in blue ink, appearing to read 'Sarada Prasanna Subudhi'.

(Sarada Prasanna Subudhi), IFS
Member Secretary

Uttarakhand Environment Protection and Pollution Control Board

Acknowledgements

The preparation of environment status report has bridged years of extensive literature review, field studies and consultation with various government offices, ULBs, hospitals, PHC's, sectoral experts, industrialists, small scale enterprises, establishments and others. While there is a huge sense of satisfaction in having achieved what seemed at times a Herculean task, it is only appropriate that we gratefully acknowledge the invaluable contribution of those who made Environment Status Report possible.

First & Foremost we wish to convey our sincere thanks to Sh. Vinod Singhal, IFS, Member Secretary, Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) and Sh. Amarjeet Singh Oberoi, Environment officer, Dr. Rajendra Singh, Scientific Assistant, Dr. V.K.Joshi, Environment Officer, Shri S.S. Pal, Scientific Officer, for their support and guidance at various stages of the study.

We also wish to thank Sh. Sompal Singh, Regional Officer (Kashipur), Sh. S.S.Rana, Regional Officer (I/c), Dr. D. K. Joshi, Regional Officer (Haldwani) & Dr. Ankur Kansal, Regional Officer (Roorkee) for their guidance, especially in collecting and collating data. We thank Hon'ble Member Secretary of the Uttarakhand Environment Protection and Pollution Control Board (UEPPCB), and his team who were there along with us in this entire process and supported and facilitated our work in the State over the last few years.

We would like to record our appreciation to the cooperation extended by the Govt. Offices, District Hospitals, Industries, Private Establishments of the Uttarakhand state during interaction and field studies. Many Regional Officers, Sub-regional Officers and Field Officers, Security Guards have extended their help to us during site visits, environmental samplings, monitoring and field surveys. We wish to take this opportunity to thank them for their support and inputs.

Cooperation extended by Dr. Javed Hussain, Mukhya Nagar Swasthya Adhikari, Nagar Nigam Roorkee; Sh. Anuj Sharma, Nagar Nigam Roorkee; Sh. Ashok Kumar, AE, Uttarakhand Peyjal Sansthan, Roorkee. Sh. V. K. Pant, Uttarakhand Peyjal Nigam, and Haldwani is gratefully acknowledged. The following department's extended fully fledged cooperation while conducting detailed environmental survey of the Uttarakhand state and special vote of thanks is extended to Nagar Palika Parishads of Bageshwar, Rudraprayag, Uttarkashi, Pauri; Jal Sansthan, Pauri, Tehri and Chamoli.

The interactive sessions helped us categorize the information and paved way for effective understanding of complexities and interlinkages between environmental issues, causes and effective management strategy adopted in the state and our assessment of future projections.

Environment Status Report, Uttarakhand

The environment consultant team would like to express its appreciation of the valuable suggestions and contributions made by the UEPPCB, various Govt. departments, NGO's, in the progression of the status of environmental attributes in the Garhwal and Kumaon Regions of the Uttarakhand. We would like to thank UEPPCB team for painstaking review, edit and rework the work of at least four different people with very different styles and approaches and bring it into what we hope is a reasonably coherent document.

Last but not the least local assistance rendered by enthusiast public of Uttarakhand at large during field surveys, sampling and environmental monitoring is highly acknowledged and appreciated.

The effort of this Environment Status Report is to emerge as a more comprehensive document and play a pivotal role in aligning developmental policies with environment, in the state of Uttarakhand by proposing an indicator based framework for environmental performance and trends assessment. The report concludes with strategies on how to strengthen the quality and use of Environment Status Report for action planning by UEPPCB.

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