

# ENVIRONMENT STATISTICS OF NEPAL

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## Preface

Environment is a multi-disciplinary topics directly related to the nature, human being and their activities. Concerns have been growing widely about changing environment and its impact upon the lives of the earth. In fact, areas of most researchers and efforts of most scientists are being concentrated towards environment in one way or the other. Accordingly, priority of the Government of Nepal has also been focused towards environment, be that in the name of "the Climate Change" or "Conservation" or " the quality of life of the people". Therefore, Central Bureau of Statistics (CBS), in the context of the increasing demand for environment related data, has been attempting to bring out special publication since decades and the present edition "Environment Statistics of Nepal 2013" is the eighth in the series.

This is an update to the previous edition and has compiled data based on the classification of the United Nations Framework for the Development of Environment Statistics 1995 (UN FDES,1995) covering topics on economic issues, social and demographic issues, air and climate, land and soil, water, other natural resources, waste, human settlements and natural disasters. I hope that this edition will be useful to planners, policy makers and other users as well.

I would like to express my gratitude to the government and non-government agencies for providing valuable data and supports to bring out this publication in its present form.

I heartily thank to Mr. Suman Raj Aryal and Dr. Rudra Suwal, Deputy Director Generals of the bureau for their overall guidance to bring out this publication. Mr. Sushil Kumar Sharma, Director, Environment Statistics Section deserves special thanks for shouldering the responsibility to accomplish the whole tasks of the compilation and bringing out this publication in time. Statistical Officers Mr. Manohar Ghimire and Mr. Tulsi Prasad Paudel are also thankful for their sincere involvement in the compilation of this publication. Similarly, I would like to thank Director Mr.Mahesh Chand Pradhan, Statistical Officers Ms. Ranju Khadka and Mr.Damodar Shrestha and Statistical Assistant Mr. Govinda Dumre for their contributions in this publication.

Finally, I would like to request all users to provide invaluable suggestions and comments that would be useful for further improvement in the future publications of this kinds.

June, 2014  
Kathmandu, Nepal

Bikash Bista  
Director General  
Central Bureau of Statistics

# Acronyms and Abbreviations

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<b>ARI</b>	Acute respiratory Tract infection
<b>As</b>	Arsenic
<b>BHC</b>	Boron hydrogen carob
<b>BOD</b>	Biological oxygen demand
<b>Bq</b>	Becquerel
<b>Ca</b>	Calcium
<b>CBS</b>	Central Bureau of Statistics
<b>Cd</b>	Cadmium
<b>CDD</b>	Control of diarrhea diseases
<b>CFC</b>	Chlorofluorocarbons
<b>cfu</b>	Coliform
<b>CFUG</b>	Community Forest User Group
<b>CH<sub>4</sub></b>	Methane
<b>CITES</b>	Convention on International Trade in Endangered Species of World Fauna and Flora
<b>CO</b>	Carbon monoxide
<b>CO<sub>2</sub></b>	Carbon dioxide
<b>COD</b>	Chemical oxygen demand
<b>COFOG</b>	Classification of Functions of Government
<b>COICOP</b>	Classification of Individual Consumption by Purpose
<b>COPNI</b>	Classification of the Purposes of Non-Profit Institutions
<b>CPC</b>	Central Product Classifications
<b>dBA</b>	Decibel A
<b>DDT</b>	Dichloro diethene trichloroethen
<b>DHM</b>	Department of Hydrology Meteorology
<b>DO</b>	Dissolved oxygen
<b>DMG</b>	Department of Mines and Geology
<b>DWSS</b>	Department of Water Supply and Sewage
<b>DWIDP</b>	Departmenty of Water Induced Disaster Prevention
<b>EIA</b>	Environmental Impact Assessment
<b>FISIM</b>	Financial Intermediation Services Indirectly Measured
<b>ft<sup>3</sup></b>	Cubic feet
<b>GDP</b>	Gross Domestic Product
<b>GEF</b>	Global Environment Facility
<b>GNDI</b>	Gross National Disposable Income
<b>GNI</b>	Gross National Income
<b>Ha</b>	Hectare
<b>HC</b>	Hydrocarbon
<b>HHs</b>	Households
<b>HIV</b>	Human immunodeficiency virus
<b>Hr</b>	Hour

<b>HSU</b>	Hatridge smoke unit
<b>HVAS</b>	High volume air sampler
<b>ICIMOD</b>	International Centre for Integrated Mountain Development
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>ISIC</b>	International Standard Industrial Classifications
<b>ITTA</b>	International Tropical Timber Agreement
<b>IUCN</b>	The World Conservation Union (International Union for the Conservation of Nature and Natural Resources)
<b>K<sub>2</sub>O</b>	Potassium oxide
<b>kg</b>	Kilogram
<b>KL</b>	Kiloliter
<b>Km</b>	Kilometer
<b>Km<sup>2</sup></b>	Square kilometer
<b>KUKL</b>	Kathmandu Upatyaka Khanepani Limited
<b>KWh</b>	Kilowatt hour
<b>L</b>	Liter
<b>L/d/p</b>	Liter / day / person
<b>lcd</b>	Liter consumption/day
<b>LD</b>	Laser dust
<b>L<sub>dn</sub></b>	Level day-night
<b>L<sub>eq</sub></b>	Equivalent sound presser level
<b>LPG</b>	Liquefied petroleum gas
<b>LRMP</b>	Land Resource and Mapping Project
<b>Lt/min</b>	Liter per minute
<b>m</b>	Meter
<b>M</b>	Million
<b>M<sup>2</sup>.</b>	Square meter
<b>M<sup>3</sup></b>	Cubic meter
<b>m<sup>3</sup>/ min</b>	Cubic meter per minute
<b>m<sup>3</sup>/yr</b>	Cubic meter per year
<b>MB</b>	Multi-bacilli
<b>mb</b>	Mill bar
<b>MDGs</b>	Millennium Development Goals
<b>MDT</b>	Multi-drug therapy
<b>mg/l</b>	Milligram per liter
<b>mg/m<sup>3</sup></b>	Milligrams per cubic meter
<b>ml</b>	Local magnitude / milliliter
<b>mld</b>	Million liter/day
<b>mm</b>	Millimeter
<b>mrem/hr</b>	Milli radiation equivalent to man/hour
<b>mt.</b>	Metric ton
<b>mtO</b>	Mineral trepanation oil
<b>N</b>	Nitrogen
<b>NA</b>	Not Available

<b>Na</b>	Sodium
<b>NARC</b>	Nepal Agriculture Research Council
<b>NAST</b>	Nepal Academy of Science and Technology.
<b>NDHSS</b>	Nepal Demographic and Health Surveys
<b>NLSS</b>	Nepal living standards survey
<b>NO<sub>2</sub></b>	Nitrogen dioxide
<b>NP</b>	National Parks
<b>NSIC</b>	Nepal Standard Industrial Classifications
<b>NTU</b>	Nephelometer turbidity unit
<b>NWSC</b>	Nepal Water Supply Corporation
<b>O<sub>3</sub></b>	Ozone
<b>°C</b>	Degree Celsius
<b>ODS</b>	Ozone depleting substance
<b>P<sub>2</sub>O<sub>5</sub></b>	Phosphorus pentaoxide
<b>pb</b>	Lead
<b>pH</b>	Hydrogen-in concentration
<b>PM<sub>10</sub></b>	Particulate matter less than 10 microgram (0.07 g/m <sup>3</sup> )
<b>PO<sub>3</sub></b>	Phosphate
<b>ppb</b>	Parts per billion
<b>ppm</b>	Parts per million
<b>ppt</b>	Parts per trillion
<b>RETs</b>	Renewable Energy Technologies
<b>SAE</b>	Small Area Estimation
<b>SEEA</b>	Integrated Environmental and Economic Accounting
<b>SO<sub>2</sub></b>	Sulphur dioxide
<b>SO<sub>4</sub></b>	Sulphate
<b>SO<sub>x</sub></b>	Oxides of Sulphur
<b>SPM</b>	Suspended Particulate Matter
<b>STD</b>	Sexually Transmitted Diseases
<b>TCU</b>	True color unit
<b>TDS</b>	Total Dissolved Solids
<b>TOE</b>	Tones of Oil Equivalent
<b>TSP</b>	Total suspended particulates
<b>TSS</b>	Total Suspended Solids
<b>TYIP</b>	Three Year Interim Plan
<b>UNEP</b>	United Nations Environment Programme
<b>UNFDES</b>	United Nations Framework for the Development of Environment Statistics
<b>UV</b>	Ultra Violet
<b>WECS</b>	Water and Energy Commission Secretariat
<b>WHO</b>	World Health Organization
<b>WP</b>	Watt Power
<b>WW</b>	Waste Water
<b>µe's</b>	Micro- environments
<b>µg/m<sup>3</sup></b>	Microgram per cubic meter

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