

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 eighths 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

ARI	Acute respiratory Tract infection
As	Arsenic
BHC	Boron hydrogen carob
BOD	Biological oxygen demand
Bq	Becquerel
Ca	Calcium
CBS	Central Bureau of Statistics
Cd	Cadmium
CDD	Control of diarrhea diseases
CFC	Chlorofluorocarbons
cfu	Coliform
CFUG	Community Forest User Group
CH₄	Methane
CITES	Convention on International Trade in Endangered Species of World Fauna and Flora
CO	Carbon monoxide
CO₂	Carbon dioxide
COD	Chemical oxygen demand
COFOG	Classification of Functions of Government
COICOP	Classification of Individual Consumption by Purpose
COPNI	Classification of the Purposes of Non-Profit Institutions
CPC	Central Product Classifications
dBA	Decibel A
DDT	Dichloro diethene trichloroethen
DHM	Department of Hydrology Meteorology
DO	Dissolved oxygen
DMG	Department of Mines and Geology
DWSS	Department of Water Supply and Sewage
DWIDP	Department of Water Induced Disaster Prevention
EIA	Environmental Impact Assessment
FISIM	Financial Intermediation Services Indirectly Measured
ft³	Cubic feet
GDP	Gross Domestic Product
GEF	Global Environment Facility
GNDI	Gross National Disposable Income
GNI	Gross National Income
Ha	Hectare
HC	Hydrocarbon
HHs	Households
HIV	Human immunodeficiency virus
Hr	Hour

HSU	Hatridge smoke unit
HVAS	High volume air sampler
ICIMOD	International Centre for Integrated Mountain Development
IPCC	Intergovernmental Panel on Climate Change
ISIC	International Standard Industrial Classifications
ITTA	International Tropical Timber Agreement
IUCN	The World Conservation Union (International Union for the Conservation of Nature and Natural Resources)
K₂O	Potassium oxide
kg	Kilogram
KL	Kiloliter
Km	Kilometer
Km²	Square kilometer
KUKL	Kathmandu Upatyaka Khanepani Limited
KWh	Kilowatt hour
L	Liter
L/d/p	Liter / day / person
lcd	Liter consumption/day
LD	Laser dust
L_{dn}	Level day-night
L_{eq}	Equivalent sound presser level
LPG	Liquefied petroleum gas
LRMP	Land Resource and Mapping Project
Lt/min	Liter per minute
m	Meter
M	Million
M².	Square meter
M³	Cubic meter
m³/ min	Cubic meter per minute
m³/yr	Cubic meter per year
MB	Multi-bacilli
mb	Mill bar
MDGs	Millennium Development Goals
MDT	Multi-drug therapy
mg/l	Milligram per liter
mg/m³	Milligrams per cubic meter
ml	Local magnitude / milliliter
mld	Million liter/day
mm	Millimeter
mrem/hr	Milli radiation equivalent to man/hour
mt.	Metric ton
mtO	Mineral trepanation oil
N	Nitrogen
NA	Not Available

Na	Sodium
NARC	Nepal Agriculture Research Council
NAST	Nepal Academy of Science and Technology.
NDHSS	Nepal Demographic and Health Surveys
NLSS	Nepal living standards survey
NO₂	Nitrogen dioxide
NP	National Parks
NSIC	Nepal Standard Industrial Classifications
NTU	Nephelometer turbidity unit
NWSC	Nepal Water Supply Corporation
O₃	Ozone
°C	Degree Celsius
ODS	Ozone depleting substance
P₂O₅	Phosphorus pentaoxide
pb	Lead
pH	Hydrogen-in concentration
PM₁₀	Particulate matter less than 10 microgram (0.07 g/m ³)
PO₃	Phosphate
ppb	Parts per billion
ppm	Parts per million
ppt	Parts per trillion
RETs	Renewable Energy Technologies
SAE	Small Area Estimation
SEEA	Integrated Environmental and Economic Accounting
SO₂	Sulphur dioxide
SO₄	Sulphate
SO_x	Oxides of Sulphur
SPM	Suspended Particulate Matter
STD	Sexually Transmitted Diseases
TCU	True color unit
TDS	Total Dissolved Solids
TOE	Tones of Oil Equivalent
TSP	Total suspended particulates
TSS	Total Suspended Solids
TYIP	Three Year Interim Plan
UNEP	United Nations Environment Programme
UNFDES	United Nations Framework for the Development of Environment Statistics
UV	Ultra Violet
WECS	Water and Energy Commission Secretariat
WHO	World Health Organization
WP	Watt Power
WW	Waste Water
µe's	Micro- environments
µg/m³	Microgram per cubic meter

Contents

	Page
Preface	i
Acronyms and Abbreviations	ii
Chapter	
I : Introduction	1
II : Economic Issues	9
III : Social and Demographic Issues	27
IV : Air and Climate	43
V : Land and Soil	57
VI : Water	75
VII : Other Natural Resources	95
VIII : Waste	111
IX : Human Settlements	121
X : Natural Disasters	139
Appendices	
I : List of Environment Related Policies, Acts and Rules	151
II : Integrated Environmental and Economic Accounting 2003 (SEEA 2003)	153
III : List of International Conventions Signed and Ratified by the Government of Nepal	154
IV : United Nations Environment Programme	155
V : Rio Declaration on Environment and Development (Agenda 21)	157
VI : International Standard Industrial Classifications of All Economic Activities (ISIC), Rev. 4	160
VII : Central Product Classifications (CPC),Ver. 2	163
VIII : Classification of Functions of Government (COFOG)	165
IX : Classification of Individual Consumption by Purpose (COICOP)	167
X : Classification of the Purposes of Non-Profit Institutions(COPNI)	169
XI : Classification of the Outlay of Producers according to Purpose (COPP)	170
XII : SEEA Asset Classification	171
XIII : Classification of Environmental Protection Activities and Expenditure (CEPA 2000)	173
XIV : MDG Indicators	175
XV : Glossary	178
Reference	191

List of Tables

Table 2.1:	Summary of Macro Economic Indicators of Nepal, 2000/01-2013/14	11
Table 2.2:	Gross Value Added by Industrial Division (at current prices)	12
Table 2.3:	Gross Value Added by Industrial Division (at constant 2000/01 prices)	13
Table 2.4 :	Production of Agricultural Commodities	14
Table 2.5 :	Production of Livestock Products	15
Table 2.6:	Quarterly Manufacturing Production Index	16
Table 2.7 :	Production of Various Minerals and Quarrying Products	19
Table 2.8 :	Supply of Forest Products	19
Table 2.9 :	Food Consumption Pattern (NLSS Food Basket Composition)	20
Table 2.10 :	District Wise RETs Installed under Alternative Energy Promotion Centre	21
Table 2.11 :	Primary Production and Import of Coal in Nepal,1998/99-2012/13	22
Table 2.12 :	Consumption of Petroleum Products in Nepal, 2000/01-2012/13	22
Table 2.13 :	Energy Consumption by Sector, 2001/02-2011/012	23
Table 2.14 :	Energy Consumption by Sector and Type, 2001/02-2012/13	23
Table 2.15 :	Annual Production of Improved Seeds	24
Table 2.16 :	Crop Species Registered in Nepal	24
Table 2.17 :	Maximum Residual Limits (MRL) of Pesticides in Foodstuffs	25
Table 2.18 :	Small Scale Manufacturing Establishments by Region and Rural-Urban Area	25
Table 2.19 :	Manufacturing Establishments by Region and Rural-Urban Area	26
Table 2.20 :	Summary of Fish Production in Nepal, 2012/13	26
Table 2.21 :	Environment Protection Expenditure of Nepal	26
Table 3.1 :	Social and Demographic Indicators	29
Table 3.2 :	Population Distribution and Composition, 1971-2011	30
Table 3.3 :	Population and Household	32
Table 3.4 :	Poverty Head Count Rate	32
Table 3.5 :	Poverty Gap in Rural and Urban, Nepal	32
Table 3.6 :	Status of Calorie Consumption and Malnutrition	33
Table 3.7 :	Percentage Distribution of Boys and Girls Enrolled in Different levels of Schools	33
Table 3.8 :	Gross Enrolment Rate (GER) in Different Levels of Schools	34
Table 3.9 :	Net Enrolment Rate (NER) in Different Levels of Schools 2001-2012.	35
Table 3.10 :	Inter-Zonal Life-Time Migrants, Nepal, 1971-2001	36
Table 3.11 :	Inter-Zonal Migrants for Both Sexes, Nepal, 2001	36
Table 3.12 :	Statistics on Crime, Corruption, Traffic Accidents in Nepal,2001/02-2012/13	37

预览已结束，完整报告链接和二维码如下：

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