

FOREWORD

Welcome to our first issue of the pocketbook of Environment Statistics. It is hoped that this publication will no doubt satisfy the alarming need for data in the environment field. It is intended to provide an accessible, pocket-sized reference which will be particularly useful for Ministers and officials across Government, for students and for members of the public in general.

An endeavour has been made to cover the maximum number of environmental indicators. The key indicators presented are supplemented by graphical illustrations and a short write up, to guide the users through the different environmental topics.

The data series provided in this publication focuses on providing trends over time so that users can compare environmental performances against quantified targets and commitments set at the national and international level. The data mainly refers to the Island of Mauritius unless otherwise stated.

The materials provided in this pocketbook have been drawn from published statistics, mainly from the Digest of Environment Statistics, prepared by the Statistics Unit of the Department of Environment and released by the Central Statistics Office. Some other institutions have also supplied data and all of their contributions are herewith duly acknowledged.

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CONTENTS

	Page
Overview	1 - 2
Explanatory Notes	3 - 8
Abbreviations and symbols	9

FLORA

Forest area by category, 1990 – 2004	10
Native forest, 1773 - 1997	11
Local production, imports and consumption of timber, poles and fuelwood, 1993 – 2004	12
List of land protected areas, Republic of Mauritius, 2004	13
Existing mangrove distribution in 2003	14
Mangrove propagated at selected sites, 1996 - 2004	15

FAUNA

Fish production by type of fishery, 1993 - 2004	16
Percentage of substrate cover at various monitoring stations, 2003 -2004	17
List of marine protected areas, 2004	18

ATMOSPHERE

Monthly mean maximum temperature, 1993 – 2004	19
Monthly mean minimum temperature, 1993 – 2004	20

Ambient air quality monitoring at Medco Cassis, 2003 - 2004	21
Emissions of greenhouse gases, 1995 - 2004	23
Sectoral carbon dioxide emissions from fuel combustion activities, 2001 – 2004	24
Consumption of controlled ozone-depleting substances by sector, 1993 -2004	25
Consumption of controlled ozone-depleting substances by type of substances, 1993 – 2004	26

WATER

Water balance,1998 - 2004	27
Water utilization, 2004.	28
Fresh water abstractions by source, 1993 – 2004	29
Domestic per capita consumption of water, 1990 – 2004	30
River water quality by selected physico-chemical parameters for Grand River South East and Grand River North West, Jan-Nov 2002	31
Range of levels of Nitrate-Nitrogen, Phosphate and COD for selected regions, 2004	32
Volume of wastewater treated by public treatment stations, 1995 – 2004	33
Water quality in coastal area - (Terre Rouge Rivulet Bird Sanctuary), 1997 – 2004	34
Number of cases of certain notifiable waterborne diseases reported to sanitary authorities, 1993 – 2004	35
Mean sea surface temperature around the Island of Mauritius, 1993 – 2004	36

LAND

Land use by category, 1986 and 1995	37
Effective area under cultivation, 1995 - 2004	38
Imports of fertilizers and pesticides, 1993 – 2004	39
Consumption of fertilisers, 1993 – 2004	40
Land under irrigation, 1996 – 2004	41
No. of EIA and PER licenses granted by type of project, 1995 – 2005	43

CHAPTER 6 - HUMAN SETTLEMENTS

Main energy indicators, Republic of Mauritius, 1993 - 2004	44
Fuel input for electricity production, Republic of Mauritius, 1993 – 2004	45
Final energy consumption by sector, Republic of Mauritius, 1993 – 2004	46
Vehicles registered by type, 1993 – 2004	47
No. of complaints received at the Pollution Prevention and Control Division of the Department of Environment by category, 1994 – 2005	48
Contraventions and notices established by Police De L'Environnement, 2002-2005	49

Overview

This pocketbook has been prepared with a view to providing data and information on environmental issues and thus assist the policy makers who can target and measure policy goals. Therefore these data could be used both for environmental planning and management for Sustainable Development (SD) as well as for linking the environment with other issues such as the economy.

There are various sectors of the economic, social and demographic fronts that need to identify key trends and changes that are affecting the environment.

The following table highlights the key socio-economic indicators of Mauritius. It shows the structural changes that have occurred during the last decade. It can be noted that, from 1995 to 2004, the Gross Domestic Product (GDP), which measures the total value of production in money terms, has increased from Rs 70,283 to Rs 174,468, or by about 148%. The share of agriculture in the economy has dropped to 6.2%. It can also be seen that there are new emerging sectors such as the financial services and tourism.

During the same period, 1995 to 2004 the population has increased by 10.9%, from 1,112,400 to 1,233,400.

Main socio-economic indicators, 1995 and 2004

Indicator	Units	1995	2004 ¹
1. Gross Domestic Product (GDP) at market prices	Rs mn	70,283	174,468
2. Sectoral contribution to GDP			
<i>Agriculture</i>	%	10.3	6.2
<i>Manufacturing</i>	%	22.9	21.0
<i>Construction</i>	%	6.4	5.8
<i>Wholesale and retail trade</i>	%	12.7	11.0
<i>Hotels and restaurants</i>	%	4.6	7.5
<i>Transport and communications</i>	%	11.4	13.1
<i>Financial intermediation and business services</i>	%	15.4	19.3
<i>Other</i>	%	16.3	16.1
3. GDP annual growth rate (basic prices)	%	5.5	4.1
4. Per capita GDP at market prices	Rs	62,606	141,422
5. Per capita GDP in US dollars	US\$	3,517	5,096
6. Investment (GDFCF)	Rs mn	16,499	37,729
7. Exports (f.o.b) (include ship's stores and bunkers)	Rs mn	27,326	55,223
8. Imports (c.i.f)	Rs mn	34,363	76,577
9. Population (mid year)	000	1,112.4	1,233.4
10. Population annual growth rate	%	1.2	0.8
11. Population density (per kilometre square)	Number	554	607
12. Total labour force ²	000	484.8	549.6
13. Total employment ²	000	460.5	504.5
<i>Agriculture (as a % of total)</i>	%	14.7	9.7
<i>Manufacturing (as a % of total)</i>	%	29.5	24.6
14. Unemployment rate ²	%	5.1	8.5
15. Inflation rate	%	6.0	4.7
16. Tourist arrivals	000	422.4	718.9

¹ Provisional

² Year 1995 estimates were based on data from various sources and refer to population aged 12 years and over.

As from 2004, the Continuous Multi Purpose Household Survey is used to measure labour force, employment and unemployment and the estimates refer to population aged 15 years and over.

Environment and economy are inextricably linked. Understanding the links between the two helps to identify the enabling factors which underlie environmental degradation, and provide a framework for policy development for the environment. The table below shows the main environment indicators that can be used concurrently with the socio-economic data to identify trends and links.

Main environment indicators, 1995 and 2004

Indicator	Units	1995	2004¹
1. Total land area	000 ha	186.5	186.5
2. Irrigated land	ha	17,306.0	21,417.0
3. Forest area (as a % of total land area)	%	30.6	23.8
4. Land protected areas	ha	11,125.0	13,926.0
5. Marine protected areas	000 ha	7,190.0	7,216.0
6. Threatened plant species (IUCN Red List)	Number	...	87
7. Threatened animal species (IUCN Red List)	Number	...	60
8. Total fish catch	tons	16,029.0	9,431.0
9. Mean catch per fisherman day	kg	4.8	4.2
10. Total Carbon dioxide emission	000 tons	1,738.4	2,795.7
11. Per capita carbon dioxide emission	Tons	1.6	2.3
12. Mean annual rainfall	millimetres	1,514.4	2,271.4
13. Annual fresh water abstraction	Mm ³	650.0	662.0
14. Daily per capita domestic water consumption	litres	154.8	160.0
15. Daily per capita solid waste generated (<i>estimate</i>)	Kg	0.6	0.9
16. Total electricity generated	GWh	1,165.5	2,165.0
17. Per capita primary energy requirement	toe	0.8	1.0
18. Per capita final energy consumption	toe	0.6	0.7
19. Energy intensity	toe per Rs 100,000 GDP	1.8	1.6

¹ Provisional

Explanatory Notes

Introduction

The statistics presented in this report are divided into six main information categories corresponding to the following components of the natural environment: Flora, Fauna, Atmosphere, Water, Land, and Human Settlements.

Due to its interdisciplinary nature, Environment Statistics have data sources that are dispersed and a variety of methods are applied in their collection and compilation. The systematic development and organisation of a complex field such as the environment statistics has necessitated the formulation of various frameworks and models. While the United Nation (UN) has prepared and adopted the Framework for the Development of Environment Statistics (FDES), the Organisation for Economic Co operation and Development (OECD) has developed and used the Pressure-State-Response (P-S-R) model.

For the purpose of this publication, both these models can be used to fit the data provided. An overview of the two models has been presented below.

1. The FDES model

Components of the environment	Information categories			
	Social and economic activities, natural events	Environmental impacts of activities/ events	Responses to environmental impacts	Stocks, inventories and background conditions
1. Flora	<i>e.g Forest area,</i>	<i>e.g Agricultural lands,</i>	<i>e.g Protected areas</i>	<i>e.g Populations,</i>
2. Fauna	<i>Fish catch,</i>	<i>Air quality,</i>	<i>EIA and PER</i>	<i>Climate,</i>
3. Atmosphere	<i>Temperature,</i>	<i>Water quality,</i>	<i>Air quality monitoring</i>	<i>Water balance,</i>
4. Water	<i>Water abstraction,</i>	<i>Solid wastes generation</i>		<i>Land availability</i>
5. Land	<i>Land use,</i>			
6. Human Settlements	<i>Energy consumption</i>			

2. The P-S-R model

	Pressure	State	Response
1. Flora	Indicators used to monitor the causes of environmental problems	Indicators used to monitor the conditions, practices and activities related to known environmental problems	Indicators used to monitor the measures and responses of society, such as sectoral regulations to the impacts on the environment
2. Fauna			
3. Atmosphere			
4. Water			
5. Land			
6. Human Settlements			

预览已结束，完整报告链接和二维码如下：

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