

# TABLE OF CONTENTS

<b>Chapter 1 INTRODUCTION.....15</b>	6.1 THE PRESENT TRANSMISSION AND DISTRIBUTION NETWORK.....59
<b>Chapter 2 UNDERLYING PHILOSOPHY OF THE IEP 2013–2022.....19</b>	6.2 POWER SYSTEM MODELING AND PLANNING.....60
2.1 CEB STRATEGIC ROLE AND ITS NATIONAL CONTRIBUTION.....19	6.3 TRANSMISSION NETWORK EXPANSION PLAN.....63
2.2 CEB’S LEAST-COST POLICY.....19	6.4 DISTRIBUTION NETWORK EXPANSION PLAN.....68
2.3 BALANCING THE 10-YEAR DEMAND-SUPPLY.....19	6.5 GRID INTEGRATION OF RENEWABLE ENERGY (RE) SYSTEMS.....71
2.4 THE IEP 2013–2022 IN SUPPORT OF NATIONAL INFLUENTIAL STRATEGIES.....20	6.6 MODERNIZING THE NATIONAL ELECTRICITY NETWORK.....75
<b>Chapter 3 A REVIEW OF THE IEP 2003–2012.....23</b>	<b>Chapter 7 ENVIRONMENTAL ISSUES IN ELECTRICITY ACTIVITIES.....79</b>
<b>Chapter 4 DEMAND FORECAST FOR MAURITIUS.....31</b>	7.1 OVERVIEW OF CEB’S CONCERNS FOR THE ENVIRONMENT.....79
4.1 THE ELECTRICITY MARKET.....31	7.2 ENVIRONMENTAL LEGISLATION APPLICABLE TO THE ELECTRCITY SECTOR.....80
4.2 THE UPCOMING 10–YEARS DEMAND OUTLOOK.....35	7.3 ENVIRONMENTAL IMPACT ASSESSMENT (EIA).....80
<b>Chapter 5 POWER GENERATION PLAN 2013–2022.....45</b>	7.4 ENVIRONMENT MONITORING AT THE CEB.....82
5.1 FLASHBACK ON INTEGRATED ELECTRICITY PLAN (IEP 2003–2012).....45	7.5 CEB’S COMMITMENT TO CLIMATE CHANGE.....82
5.2 THE 2013–2022 GENERATION EXPANSION PLAN.....49	7.6 ENVIRONMENT ACTION PLAN.....84
<b>Chapter 6 TRANSMISSION AND DISTRIBUTION PLAN 2013–2022.....59</b>	

<b>Chapter 8 ELECTRICITY DEMAND–SUPPLY IN RODRIGUES.....89</b>	<b>Chapter 10 ELECTRICITY TARIFF IN PERSPECTIVE.....109</b>
8.1 EXPECTED CHANGES IN THE SOCIAL AND ECONOMIC ENVIRONMENT.....89	10.1 OVERVIEW OF A PROPOSED COST-REFLECTIVE TARIFF MODEL..... 110
8.2 TREND IN ELECTRICITY CONSUMPTION.....90	10.2 IMPLEMENTATION ISSUES..... 111
8.3 DEMAND FORECAST 2013–2022.....91	10.3 METERING.....111
8.4 ELECTRICITY GENERATION PLAN FOR RODRIGUES.....93	<b>Chapter 11 ACTION PLAN.....115</b>
8.5 RODRIGUES’ ELECTRICAL NETWORK EXPANSION PLAN.....96	<b>APPENDICES</b>
8.6 ENVIRONMENTAL CONSIDERATION IN MANAGING RODRIGUES SYSTEM.....99	A1 DEMAND FORECAST METHODOLOGY..... 120
8.7 DEMAND-SIDE MANAGEMENT (DSM) PROGRAMME FOR RODRIGUES..... 100	B1 USEFUL INFORMATION ON POWER PLANTS..... 131
8.8 RODRIGUES SHORT-TERM ACTION PLAN..... 100	B2 GENERATION PLANNING METHODOLOGY..... 133
<b>Chapter 9 DEMAND–SIDE MANAGEMENT (DSM).....103</b>	B3 ENERGY GENERATION ESTIMATION METHODOLOGY..... 138
9.1 RECENT DSM INITIATIVES IMPLEMENTED..... 103	C1 NETWORK PLANNING METHODOLOGY..... 140
9.2 THE ENERGY EFFICIENCY MANAGEMENT OFFICE (EEMO)..... 104	<b>GLOSSARY.....144</b>
9.3 PROPOSED 2013–2022 DSM INITIATIVES..... 104	