

LAYING OF THE MARS SUBMARINE FIBRE OPTIC CABLE BETWEEN MAURITIUS AND RODRIGUES ISLANDS

ENVIRONMENTAL IMPACT ASSESSMENT REPORT

TABLE OF CONTENTS

0	EXECUTIVE SUMMARY	0-1
1	INTRODUCTION	1-1
1.1	THE PROMOTER AND PROJECT TEAM	1-1
1.1.1	<i>The Promoter: Mauritius Telecom Ltd</i>	<i>1-1</i>
1.1.2	<i>Mauritius Telecom Network</i>	<i>1-1</i>
1.1.3	<i>The Project Team</i>	<i>1-2</i>
1.2	PROJECT OVERVIEW AND LICENSING	1-2
1.2.1	<i>Project Overview</i>	<i>1-2</i>
1.2.2	<i>Licensing</i>	<i>1-3</i>
1.3	TIMEFRAME FOR DEVELOPMENT	1-3
1.4	SCOPE OF THE ENVIRONMENTAL IMPACT ASSESSMENT	1-3
1.5	LIAISON WITH STAKEHOLDERS AND CLEARANCES OBTAINED	1-4
1.6	STRUCTURE OF THE EIA REPORT	1-4
2	ENVIRONMENTAL LEGAL FRAMEWORK IN MAURITIUS	2-1
2.1	MAIN ENVIRONMENTAL LEGISLATION	2-1
2.1.1	<i>The Environment Protection Act 2002</i>	<i>2-1</i>
2.1.2	<i>Main Regulations under the Environment Protection Act 2002</i>	<i>2-1</i>
2.1.3	<i>The Requirement for Environmental Impact Assessment (EIA)</i>	<i>2-2</i>
2.2	OTHER MAIN APPLICABLE LEGISLATION	2-2
2.2.1	<i>the Information and Communication Technologies Act 2001</i>	<i>2-2</i>
2.2.2	<i>The Fisheries and Marine Resources Act 2007</i>	<i>2-2</i>
2.2.3	<i>The Beach Authority Act 2002</i>	<i>2-3</i>
2.2.4	<i>The National Development Strategy 2003 & Planning Policy Guidance 2004</i>	<i>2-3</i>
2.2.5	<i>The Grand Port Savanne Outline Planning Scheme</i>	<i>2-3</i>
2.2.6	<i>The Rodrigues Outline Planning Scheme</i>	<i>2-3</i>
2.3	INTERNATIONAL TREATIES AND AGREEMENTS	2-4
3	PROJECT JUSTIFICATION AND ALTERNATIVES	3-1
3.1	CLIENT’S BRIEF & PROJECT JUSTIFICATION	3-1
3.2	ALTERNATIVES	3-1
3.2.1	<i>Location of the beach landfall in Mauritius and Rodrigues</i>	<i>3-1</i>
3.2.2	<i>Routing of the cable for the beach manhole, across the lagoon and to the open sea</i>	<i>3-2</i>
3.2.3	<i>Methodology for the laying of the cable</i>	<i>3-3</i>
3.2.4	<i>No Project Alternative</i>	<i>3-3</i>
4	PROJECT DESCRIPTION AND METHODOLOGIES ADOPTED	4-1
4.1	PROJECT DESCRIPTION	4-1
4.1.1	<i>Project Background</i>	<i>4-1</i>

4.1.2	<i>Generalities of the Project</i>	4-1
4.1.3	<i>Technical Details</i>	4-2
4.2	METHODOLOGY FOR THE LAYING OF THE CABLE	4-2
4.2.1	<i>Methodology for Cable Laying at La Prairie, Mauritius</i>	4-2
4.2.2	<i>Methodology for Cable Laying at Grand Baie, Rodrigues</i>	4-5
5	BASELINE ENVIRONMENT	5-1
5.1	THE SITE AT LA PRAIRIE, MAURITIUS	5-1
5.1.1	<i>The Bio-Physical Environment</i>	5-1
5.1.2	<i>Socio-Economic Context</i>	5-3
5.2	THE SITE AT GRAND BAIE, RODRIGUES	5-3
5.2.1	<i>The Bio-Physical Environment</i>	5-3
5.2.2	<i>Socio-Economic Context</i>	5-6
5.3	OUTCOME OF THE MARINE SURVEY	5-7
6	PREDICTED ENVIRONMENTAL IMPACTS AND MITIGATING MEASURES	6-1
6.1	DESK REVIEW OF AVAILABLE DATA ON POTENTIAL IMPACTS AND MITIGATIONS MEASURES	6-1
6.1.1	<i>OSPAR Commission - Assessment of the Environmental Impacts of Cables, 2009</i>	6-1
6.1.2	<i>United Nations – Oceans and Laws of the Sea – Submarine Cables and Pipelines, 2015</i>	6-2
6.2	SCOPING AND IDENTIFICATION OF POTENTIAL IMPACTS	6-2
6.3	IMPACTS EVALUATION AND MITIGATION MEASURES.....	6-3
6.3.1	<i>Methodology</i>	6-3
6.3.2	<i>Impacts and Mitigation Measures</i>	6-4
6.4	SUMMARY OF IMPACTS AFTER MITIGATION MEASURES	6-7
7	ENVIRONMENTAL MONITORING PLAN	7-1
7.1	MONITORING CONSTRUCTION PHASE	7-1
7.1.1	<i>Monitoring</i>	7-1
7.1.2	<i>Maintenance</i>	7-1
7.1.3	<i>Environment Monitoring Plan during Construction Phase</i>	7-1
7.2	MONITORING DURING OPERATION PHASE	7-3
7.2.1	<i>General Inspection/Audit</i>	7-3
8	CONCLUSION	8-1
9	REFERENCES	9-1

LIST OF APPENDICES

Appendix A	Project Technical Details
Appendix B	Methodology for the Laying of the MARS Submarine Fibre Optic Cable