

Contents

	Page
Executive Summary	1
1 Project Background	6
1.1 Project Overview	6
1.2 Hotel Concept	6
1.3 Justification of the Project	8
1.3.1 Foreign Currency Earnings	8
1.3.2 Tourism Developments in Mauritius Economy	8
1.3.3 Employment Creation Potential	9
1.4 Legal, Institutional and Regulatory Framework	9
1.4.1 Environmental Protection Act 2002	9
1.4.2 The Planning and Development Act 2004	10
1.4.3 The National Development Strategy - April 2003	10
1.4.4 The Grand Port-Savanne DCA Outline Planning Scheme 2006	11
1.4.5 Road Traffic Act	11
1.4.6 Maurice Ile Durable Project (MID)	11
1.4.7 SSR International Airport Safeguarding	11
1.5 Sustainable Development Vision	12
1.6 Implementation Schedule	12
2 Project Brief, Promoter and Professional Services	13
2.1 Brief Description of the Project	13
2.2 The Promoter	13
2.3 The Hotel Management - Minor International	14
2.4 The Promoter's Representative	14
2.5 Professional Services	14
2.5.1 Project Manager	14
2.5.2 Architect and Master Planning Services	15
2.5.3 Quantity Surveying	15
2.5.4 Landscape Engineer	15
2.5.5 Engineering Services	15
2.5.6 Land Surveying	15
2.5.7 The Flora and Fauna Specialist	15
2.5.8 Cultural Heritage Survey	15
2.5.9 Ecological and Environmental Management Plan	16
3 The Project Description	17
3.1 The Project Site	17
3.1.1 Site Location	17

3.1.2	Site Ownership	17
3.1.3	Site Boundaries	17
3.1.4	Site Topography	17
3.1.5	Site Occupancy	18
3.2	The Le Chaland Resort Hotel	23
3.2.1	The Room Accommodation	23
3.2.2	The Central Facilities	24
3.2.3	The Beach Restaurant	24
3.2.4	The Day Spa	24
3.2.5	Light Structures on Existing Plinths	24
3.2.6	Back of House Remote Services	24
3.2.7	Back of House M&E Compound	25
3.2.8	Le Chaland Resort Hotel Footprint	25
3.2.9	Height above Ground	26
3.2.10	Setbacks	26
3.2.11	Hotel Access Driveway and Parking Spaces	26
3.3	Project Utilities and Infrastructure Requirements	27
3.3.1	Potable Water	27
3.3.2	Electricity Supply	28
3.3.3	Wastewater Collection, Treatment & Disposal	30
3.3.4	Storm Water Collection and Disposal	31
3.3.5	Solid Waste Management	33
3.3.6	Telecommunication	33
3.4	Ancillary Works	34
3.4.1	Relocation of the MTE and NCG Facilities	34
3.4.2	Construction of NCG Guard Post	34
3.4.3	Construction of a new Public Access Road	34
3.4.4	La Cambuse Public Beach Extension and Upgrading	35
3.4.5	Realignment of the 22kV CEB Transmission Line	35
3.4.6	Re-routing of Potable Water Supply to Public Beach	36
3.4.7	Realignment of Telecommunication Lines	36
3.4.8	Preservation of Sand Dune	36
4	Natural Environment of Site	38
4.1	Overview	38
4.2	Climatic Environment	38
4.2.1	Rainfall	38
4.2.2	Air Temperature	40
4.2.3	Free Surface Evaporation	40
4.2.4	Wind	40
4.2.5	Relative Humidity	41
4.2.6	Sunshine Hours	42
4.2.7	Sea Temperature	42

4.3	Local Air Quality	42
4.3.1	Fire Risks	43
4.4	Site Acoustic Environment	43
4.4.1	Site Noise	43
4.4.2	Aircraft Noise	43
4.4.3	Local Noise Regulations	44
4.5	Site Geomorphology	44
4.6	Site Geology	45
4.7	Site Pedology	45
4.7.1	Soil type	45
4.8	Sand Dune Formation	46
4.9	Surface Hydrology and Hydrogeology	48
4.9.1	Regional Surface Hydrology	48
4.9.2	Hydrogeology	48
4.10	Fauna and Flora	48
4.10.1	Site Fauna	48
4.10.2	Site Flora	49
4.11	Marine Environment	49
4.11.1	Tidal and Long-term Water Levels.	49
4.12	Environmentally Sensitive Areas (ESA)	50
4.12.1	The Blue Bay Marine Park	50
4.12.2	Coastal Sand Dune	51
4.12.3	Mare-aux-Songes Archeological Site	52
5	The Built Environment	53
5.1	Demography	53
5.2	Existing Regional Settlements and Population	53
5.3	Regional Industrial and Tourism Activity	54
5.3.1	Agriculture	54
5.3.2	Poultry Farming	54
5.4	Tourism	54
5.5	SSR International Airport	55
5.5.1	Synergy between Le Chaland Resort Hotel and Plaisance AeroVille Project	55
5.6	Public Amenities	56
5.6.1	Social Infrastructure	56
5.6.2	Public Beaches	56
5.7	Road Infrastructure	56
5.8	Public Services and Utilities	56
5.8.1	Domestic Water Supply	57
5.8.2	Electricity Supply	57
5.8.3	Telecommunications	57
5.8.4	Sewerage	57

5.8.5	Solid Waste Disposal	58
6	Environmental Management Plan	59
6.1	Introduction	59
6.2	Demolition and Site Clearance	60
6.2.1	The Demolition of Existing Building and Site clearance Phase	60
6.2.2	Removal of Floral Species within the footprint of new buildings	61
6.2.3	Modification of Site Geomorphology	62
6.2.4	Generation of Biological Wastes	62
6.3	Impacts at Construction Phase	63
6.3.1	Generation of Solid Wastes	63
6.3.2	Generation of Biological Pollution by Contractor Staff on Site	64
6.3.3	Spillage of Hydrocarbon	65
6.3.4	Exhaust Gases	65
6.3.5	Dust Emissions	66
6.3.6	Generation of Noise from Site Equipment and Traffic	67
6.3.7	Construction of New Access Road	68
6.3.8	Impacts on Sand Dune	70
6.3.9	Cultural Heritage Impact Assessment	71
6.3.10	Stormwater Management	71
6.4	Impacts at Operation Stage	72
6.4.1	Generation of Solid Wastes	72
6.4.2	Generation of Biological Pollution	73
6.4.3	Risks of Hydrocarbon spillage at Stand-by Power storage tanks	75
6.4.4	Atmospheric pollution by Stand-by Plant stack gases	76
6.4.5	Noise from Stand-by Plant and Electro-Mechanical Equipment	78
6.4.6	Increased demand on Public Utilities	80
6.5	Socio-Economic Impacts	82
6.5.1	At Conceptual Stage	82
6.5.2	At Construction Stage	83
6.5.3	At Operation Phase	83
7	The Environmental Monitoring Plan	86
7.1	The Environmental Monitoring Plan	86
7.2	EMP at Construction Phase	86
7.3	EMP at Operation Phase	86
8	Conclusion	93

Appendices

Appendix A

Letter of Intent - Ministry of Housing and Lands

Appendix B

CJ - Certificate of Incorporation

Appendix C

EIA Licence for the Construction of a Beach Resort at La Cambuse
ENV/12/1456 December 2009

Appendix D

Correspondences with Authorities

Appendix E

Correspondences with OMNICANE & MOISE

Appendix F

Architect Drawings

Appendix G

Ecological Impact Report

Appendix H

Waste Water Treatment Plant

Appendix I

Wind Roses at Plaisance