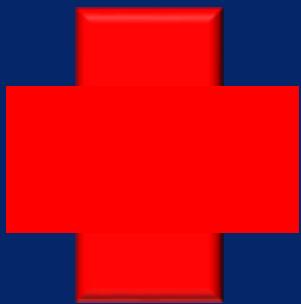


ENVIRONMENTAL IMPACT ASSESSMENT



PROPOSED SETTING UP OF A PRIVATE HOSPITAL



AT FLACQ

Aegle Medical and Surgical Ltd

NOV 2016

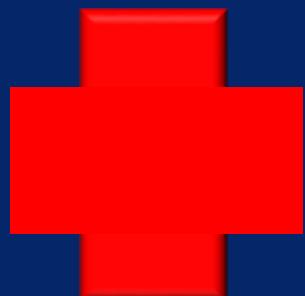


Table of Contents

EXECUTIVE SUMMARY	1
CHAPTER 1: INTRODUCTION	4
1.1 Background	4
1.2 Scope	5
1.3 Promoters Profile.....	6
1.4 Mauritius Health Sector	10
1.5 Project's Justification	32
1.6 Review: Local Legislations & Policies	37
1.7 Project Team	42
1.8 Structure of EIA Report	44
CHAPTER 2: PHYSICAL ENVIRONMENT	45
2.1 Outline.....	45
2.2 Project Area.....	46
2.3 Demography	47
2.4 Site Ownership	48
2.5 Site Status.....	48
2.6 Zoning	50
2.7 Accessibility	50
2.8 Surrounding Environment.....	50
2.9 Climatic Conditions.....	51
CHAPTER 3: PROJECT DESCRIPTION	55
3.1 Overview	55
3.2 Facilities Review	56

Environmental Impact Assessment for Private Hospital at Flacq

CHAPTER 4: ENVIRONMENT, QUALITY ASSURANCE, HEALTH & SAFETY	65
4.1 FIRE SAFETY	65
4.2 HEALTH & SAFETY	66
4.3 QUALITY ASSURANCE	66
CHAPTER 5: UTILITIES REQUIREMENTS, MATERIALS & CONSUMABLES	67
5.1 Utilities Requirements	67
5.1.1 Water Requirements	67
5.1.2 LPG Gas	67
5.1.3 General Purpose Power Outlets	67
5.1.4 Telephone System	67
5.1.5 Nurse Call System	67
5.1.6 Storm Water Drainage System	68
5.1.7 Power	68
5.1.8 Parking Provisions	68
5.1.9 Energy conservation and Management	68
5.1.10 Hot Water	69
5.1.11 Medical Gases	69
5.1.12 Lighting	69
5.2 Health Care Materials	70
5.3 Consumables	74
CHAPTER 6: EIA METHODOLOGY	75
6.1 EIA Overview	75
6.2 Effects Assessment Method	76
6.3 Methodology	79
CHAPTER 7: PREDICTED ENVIRONMENTAL EFFECTS	81

Environmental Impact Assessment for Private Hospital at Flacq

7.1	Environmental Effects During Commissioning phase of project	81
7.1.1	Solid wastes	81
7.1.2	Wastewater Generation.....	82
7.1.3	Air Quality	83
7.1.4	Impact on Fauna.....	84
7.1.5	Impact on Flora.....	85
7.1.6	Impact on Wildlife	85
7.1.7	Traffic Implications	86
7.1.8	Noise Pollution.....	87
7.1.9	Impact on Landscape	88
7.1.10	Impact on Land use	89
7.1.11	Improvement in Economy.....	89
7.1.12	Impact on National Heritage.....	90
7.2	Environmental Effects During Operational phase of project	92
7.2.1	Solid wastes	93
7.2.2	Wastewater Generation.....	102
7.2.3	Hazardous Materials	104
7.2.4	Radiation Hazards	105
7.2.5	Air Quality	106
7.2.6	Noise Impact	108
7.2.7	Fire Safety.....	110
7.2.8	Facility's Security	113
7.2.9	Health Risks	114
7.2.10	Fly / Rodent.....	115
7.2.11	Flora	115

Environmental Impact Assessment for Private Hospital at Flacq

7.2.12	Fauna	116
7.2.13	Wildlife	117
7.2.14	Impact on Land Use	117
7.2.15	Landscape	118
7.2.16	Traffic Impact	118
7.2.17	Visual Improvement/ Aesthetics.....	119
7.2.18	Socio-Economic Improvement	120
7.2.19	National / Cultural Heritage	121
CHAPTER 8: MITIGATING MEASURES		123
8.1	Overview	123
8.2	Mitigating Measures for Commissioning phase.....	123
8.2.1	Solid Wastes.....	123
8.2.2	Wastewater Management.....	124
8.2.3	Air Quality	124
8.2.4	Noise Mitigation	124
8.2.5	Traffic	125
8.3	Mitigating Measures for Operational phase	127
8.3.1	Solid Wastes.....	127
8.3.2	Wastewater.....	130
8.3.3	Hazardous Waste	131
8.3.4	Air Quality	132
8.3.5	Noise	133
8.3.6	Fire Hazards	133
8.3.7	Facilities Security.....	135
8.3.8	Health Risks	135

Environmental Impact Assessment for Private Hospital at Flacq

8.3.9 Fly & Pest Control	137
8.3.10 Traffic impact.....	137
8.3.11 Visual Impact.....	138
CHAPTER 9: RESIDUAL IMPACTS	140
9.1 Overview	140
9.2 Summary of the residual impacts	142
CHAPTER 10: SOCIO ECONOMIC & CULTURAL IMPLICATIONS	144
CHAPTER 11: ENHANCEMENT OPPORTUNITIES	146
CHAPTER 12: ENVIRONMETAL MONITORING PLAN	147
CHAPTER 13: PROJECT'S ALTERNATIVES.....	155
CHAPTER 14: SUMMARY OF ENVIRONMENTAL OUTCOMES.....	156
CHAPTER 15: CONCLUSION	157
CHAPTER 16: REFERENCES	159

Annex 1: Certificate of Incorporation / Business Card

Annex 2: Title Deed

Annex 3: Lease Agreement

Annex 4: Site & Location Plan

Annex 5: Context Plan

Annex 6: Building plans

Annex 7: Internal Building Arrangement

Annex 8: Existing Building & Land Use Permit

Annex 9: No Objection Letter – Ministry of Health

Annex 10: Wastewater disposal Method

Annex 11: Selected Equipment Specifications

Annex 12: Piping & Electrical Drawings + Wastewater drainage

Annex 13: Specifications of Generator and compressor

Annex 14: MSDS of Selected Chemicals

Annex 15: Parking Facilities

Annex 16: Traffic Impact Study

Annex 17: Consultation Meeting with Community