Contents

Non-Technical Summary 1

1 Introduction 4
  1.1 Background to the Project 4
  1.2 Outline description of the Project components 5
  1.3 Energy consumption in Mauritius 5
  1.4 Project Justification 7
  1.5 Regulatory Framework 11

2 The Promoter, Professional Team, Project Stakeholders 14
  2.1 Akuo Energy 14
  2.2 The Promoter 16
  2.3 The Project Team 16
  2.4 Schedule of Implementation 17

3 Baseline Environment 18
  3.1 Site Description 18
  3.2 Public roads and access 19
  3.3 Adjacent land uses and activities 19
  3.4 Climatic environment 20

4 Project Description 26
  4.1 Overview 26
  4.2 Solar yield assessment and plant characteristics 26
  4.3 Photovoltaic ‘solar tables’ 28
  4.4 Power Conversion System 31
  4.5 Connection to CEB 66kV Substation 33
  4.6 Agrinergie® 34
  4.7 Project utilities and infrastructure 36
  4.8 Risk Assessment for civil aviation activities. 39
  4.9 Construction phase 40
  4.10 Decommissioning and site rehabilitation phase 41

5 Assessment of Impacts and Mitigating Measures 43
  5.1 Generic Significance Criteria 43
  5.2 Key beneficial impacts 44
  5.3 Impacts during construction 45
  5.4 Impacts during operation 50

6 Environmental Monitoring Plan 55
6.1 Development of emergency plans 55
6.2 Construction Stage Environmental Monitoring Plan 55
6.3 Operation Stage Environmental Monitoring Plan 59
6.4 Decommissioning Stage Environmental Monitoring Plan 62

7 Conclusion 66
7.1 Summary 66

Appendices

Appendix A
Extract from Signed Energy Supply & Purchase Agreement

Appendix B
Drawings

Appendix C
Legal Documents

Appendix D
Land Conversion Application

Appendix E
Lease Agreement

Appendix F
Land Surveyor’s Plans

Appendix G
3D Visualisations

Appendix H
Geotechnical Investigation Report

Appendix I
Correspondence with Authorities

Appendix J
Datasheets

Appendix K
Risk Assessment Report