

Scoping Report and TOR for Parent Stock Farm - Bel Ga Myanmar Limited



**Prepared for:
Bel Ga Myanmar Limited**

**Prepared by:
Social & Environmental Associates-Myanmar (SEAM) Co.,
Limited**

Contents

1. EXECUTIVE SUMMARY.....	8
1.1 Executive Summary English Version.....	8
1.2 Executive Summary Myanmar Version.....	18
2. Context of the Project.....	39
2.1 Project Background.....	39
2.2 Presentation of the Project Proponent.....	40
2.3 Presentation of EIA Consultant.....	43
3. Policy, Legal and Institutional Framework.....	46
3.1 Corporate Environmental and Social Policies.....	46
3.1.1 Bel Ga’s Environmental Commitment.....	46
3.1.2 Bel Ga’s Social Commitment.....	46
3.2 National Policy and Legal Framework.....	47
3.2.1 National Environmental Policy (2019).....	47
3.2.2 Environmental Conservation Law (2012).....	47
3.2.3 Environmental Conservation Rules (2014).....	48
3.2.4 Environmental Impact Assessment Procedures (2015).....	48
3.2.5 Myanmar Constitution Law (2008).....	50
3.3 Institutional Framework.....	50
3.3.1 The Export and Import Law (2012).....	50
3.3.2 Myanmar Investment Commission Notification No. 1 of 2013.....	50
3.3.3 Prevention of Hazard from Chemicals and Related Substances Law (2013).....	50
3.3.4 Land Acquisition Act (1894).....	51
3.3.5 Land Acquisition, Resettlement and Rehabilitation Law 2019.....	51
3.3.6 Conservation of Water Resources and Rivers Law (2006).....	52
3.3.7 Conservation of Water Resources and River Rules (2013).....	53
3.3.8 Factories Act 1951.....	53
3.3.9 Public Health Law (1972).....	53
3.3.10 Law on Health and Safety in the Workplace (2014).....	54



3.3.11 The Prevention and Control of Communicable Diseases Law (1995).....	54
3.3.12 Animals and Animal-products Import/Export Rules and Regulations (June 2013)	54
3.3.13 Animal Health and Development Law (1993).....	54
3.3.14 The underground water act (1930).....	54
3.3.15 Automobile Law (2015) and Motor Vehicle Rules (1989)	55
3.3.16 Vehicle Safety and Vehicle Management Act (2020).....	55
3.3.17 The Myanmar Insurance Law (1993).....	55
3.3.18 Natural Disaster Management Law (2013).....	55
3.3.19 Myanmar Fire Brigade Law (2015)	56
3.3.20 Labour Organisation Law, 2011	56
3.3.21 Employment and Skill Development Law (2013)	56
3.3.22 Minimum Wage Law, 2015	57
3.3.23 The Payment of Wages Law (2016).....	57
3.3.24 The Workmen’s Compensation Act (1951).....	58
3.3.25 Social Security Law (2012).....	58
3.3.26 Settlement of Labour Dispute Law (28 Mar. 2012).....	59
3.3.27 Holidays Act, 1951 (Amended 2018)	59
3.3.28 Occupational Safety and Health Law (2019).....	60
3.3.29 Commercial Tax Law (2014) (1990 Obsolete)	61
3.3.30 Electricity law 2014	62
3.3.31 The Law on Standardization 2014	62
3.3.32 The Protection of Biodiversity and Conservation Areas Law, 2018.....	62
3.3.33 The protection of wildlife, wild plant and Conservation of Natural Area Law	
(1994).....	63
3.4 National and International Standards and Guidelines	63
3.4.1 National Environmental Quality (Emission) Guidelines	63
3.4.2 Project’s Environmental and Social Standards	65
4. Project Description and Alternatives.....	66
4.1 Introduction.....	66

4.2 Project Size.....	66
4.3 Project development and schedule.....	66
4.4 Project Location.....	69
4.5 Project Infrastructure.....	71
4.6 Production Process.....	71
4.6.1 Rearing.....	72
4.6.2 Production.....	72
4.7 Supplements and vaccination.....	72
4.8 Equipment List.....	73
4.9 Power Consumption.....	74
4.10 Water Consumption.....	74
4.11 Workplace Health and Safety Plan.....	75
4.12 Employment Plan.....	76
4.13 Wastewater Management.....	76
4.14 Solid Waste Management Plan.....	79
4.14.1 Overall Solid Waste Disposal System.....	79
4.14.2 Hazardous Waste Management System.....	82
4.14.3 Incinerator and its Operation.....	82
4.15 Causes of Zoonotic Diseases and its Control Mechanism.....	84
4.16 Fire Safety Plan.....	85
4.17 Alternatives in Consideration.....	85
4.17.1. Alternatives with Project and without Project.....	86
4.17.2 Alternative Location and Technology for Proposed Project.....	88
5. DESCRIPTION OF THE EXISTING ENVIRONMENT.....	89
5.1 Setting the Study Limits.....	89
5.2 Physical Components.....	90
5.2.1 Topography.....	90
5.2.2 Hydrology.....	90
5.2.3 Climate.....	90

5.2.4 Air Quality and Noise Monitoring	91
5.2.5 Noise Monitoring	94
5.2.6 Vibration Monitoring	96
5.2.7 Odor Monitoring	98
5.2.8 Soil Quality	101
5.2.9 Water Quality Survey	105
5.3 Biological Components	111
5.3.1 Methodology	111
5.3.2 Two seasons monitoring result	114
5.4 Infrastructure and Services	126
5.5 Socio-Economic Components	127
5.6 Cultural Components	130
5.7 Visual Components	131
6.0 IMPACT ASSESSMENT AND MITIGATION MEASURES	133
6.1 Impact and Risk Assessment Methodology	133
6.1.1 Identifications of Impacts' Assessment	133
6.1.2 Evaluation of Impact Assessment	135
6.2 Impact and Risk Identification, Assessment and Mitigation	136
6.2.1 Potential environmental and social impacts during Pre-construction Phase	136
6.2.2 Potential environmental and social impacts during Construction Phase	136
6.2.3 Potential environmental and social impacts during Operation Phase	137
6.2.4 Potential environmental and social impacts during Decommissioning phase	138
7.0 PUBLIC CONSULTATION AND DISCLOSURE	139
7.1 Prior informed and consent Public Consultation	139
7.2 Summary of Consultation and activities undertaken	142
7.3 Results of Consultation	143
7.4 Consultation findings to be undertaken	150
7.5 Disclosure	151
7.6 CSR Program	151

8.0 ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN	152
8.1 ESMP for construction phase of Poultry Farm project	153
8.2 ESMP for Operation phase of Chicken Hatching project	163
8.3 ESMP for Decommissioning, closure and post closure phases Chicken Hatching project	175
9.0 Conclusion and Recommendation	176
10.0 Terms of Reference (TOR) for ESIA Study	178
APPENDIX 1: Photo logs for Air, Noise, Odour, Water, Soil and Social Survey	182
APPENDIX 2: Water Quality Laboratory Analysis Results	186
APPENDIX 3: Soil Quality Laboratory Analysis Results	192
APPENDIX 4: Flora and Fauna species record lists (Dry Season and Wet Season)	196
APPENDIX 5: Public Consultation Attendee lists	222
APPENDIX.6: Duties and Function of Each Department at Bel Ga Ltd	228