

CROSS REFERENCE WITH TERMS OF REFERENCE (SEE SECTION 4.17 OF THE EIS)

Element of the TOR	EIS Section No.	Relevant Expert Report
Executive Summary		
Glossary		
1 INTRODUCTION	1	
1.1 Project Proponent	1.1	
1.2 Project Description	1.2, 3.2, 3.3	
1.3 Project objectives and scope	1.3	
1.4 The EIS Process	1.4	
1.5 Public consultation process	1.5, 4.13	Appendix 21
1.6 Project approvals	1.6, 3.3	Appendix 2
1.7 Accredited process for controlled actions under Commonwealth legislation	1.7, 4.11	Appendix 3, Appendix 19
2 PROJECT NEED AND ALTERNATIVES	2	
2.1 Project Justification	2.1, 4.15	Appendix 23
2.2 Compatibility with the Port of Townsville	2.2	Appendix 9, Appendix 15, Appendix 16, Appendix 17, Appendix 21, Appendix 22
2.3 Alternatives to the Project	2.3	
3 DESCRIPTION OF THE PROJECT	3, 1.2	
3.1 Ecologically Sustainable Development	3.1, 4.13, 4.15	Appendix 21, Appendix 23, Chapter 5
3.2 Location	3.2	
3.3 Concept master plan	3.3	
3.4 Construction	3.4	Appendix 5
3.4.1 Construction methodology and sequencing	3.4.1	Appendix 5
3.4.2 Construction of the TOT precinct	3.4.2	Appendix 5
3.4.3 Construction of the Breakwater Cove precinct	3.4.3, 3.7	Appendix 5
3.4.4 Material extraction and delivery	3.4.4	Appendix 15
3.5 Operations	3.5, 3.6	Appendix 14, Appendix 12
3.5.1 Operation of the Townsville Ocean Terminal precinct	3.5, 3.6	Appendix 14, Appendix 12
3.5.2 Operation of the Breakwater Cove precinct	3.5, 3.6	Appendix 14, Appendix 12
3.6 Rehabilitation and decommissioning	3.6, 4.11	Appendix 19, Appendix 5
3.7 Land Tenure	3.7	
4 ENVIRONMENTAL VALUES AND MANAGEMENT OF IMPACTS	4	

Element of the TOR	EIS Section No.	Relevant Expert Report
4.1 Climate	4.1	Appendix 7
4.2 Land	4.2	Appendix 8, Appendix 12
4.2.1 Description of environmental values	4.2.1	
4.2.1.1 <i>Topography/geomorphology/bathymetry</i>	4.2.1.1	Appendix 8, Appendix 12, Appendix 13
4.2.1.2 <i>Geology</i>	4.2.1.2	Appendix 8
4.2.1.3 <i>Soils</i>	4.2.1.3	Appendix 8
4.2.1.4 <i>Land use</i>	4.2.1.4	
4.2.1.5 <i>Acid Sulfate Soils</i>	4.2.1.5	Appendix 8, Appendix 12
4.2.1.6 <i>Contaminated Land</i>	4.2.1.6	Appendix 12
4.2.1.7 <i>Sensitive environmental areas</i>	4.2.1.7 and 4.11	Appendix 19
4.2.2 Potential impacts and mitigation measures	4.2.2	Appendix 8
4.2.2.1 <i>Land use suitability</i>	4.2.2.1	
4.2.2.2 <i>Soil erosion</i>	4.2.2.2	Appendix 8
4.2.2.3 <i>Settlement</i>	4.2.2.3	Appendix 8
4.2.2.4 <i>Acid Sulphate Soils</i>	4.2.2.4	Appendix 8, Appendix 12
4.2.2.5 <i>Contaminated Land</i>	4.2.2.5	Appendix 12
4.3 Traffic and Transport	4.3	Appendix 9
4.3.1 Existing transport infrastructure	4.3.1	Appendix 9
4.3.2 Potential impacts and mitigation measures – land based transport	4.3.2	Appendix 9
4.3.3 Potential impacts and mitigation measures – marine transport	4.3.3	
4.4 Non-transport infrastructure	4.4	Appendix 10
4.4.1 Description of environmental values	4.4.1	Appendix 10
4.4.2 Potential impacts and mitigation measures	4.4.2	Appendix 10
4.4.2.1 <i>Energy</i>	4.4.2.1	Appendix 10
4.4.2.2 <i>Water supply and storage</i>	4.4.2.2	Appendix 10
4.4.2.3 <i>Stormwater drainage</i>	4.4.2.3	Appendix 10
4.4.2.4 <i>Sewerage</i>	4.4.2.4	Appendix 10
4.4.2.5 <i>Telecommunications</i>	4.4.2.5	Appendix 10
4.4.2.6 <i>Other infrastructure</i>	4.4.2.5	Appendix 10
4.5 Waste	4.5	Appendix 11
4.5.1 Character and quantities of waste materials	4.5.1	Appendix 11
4.5.1.1 <i>Solid waste disposal</i>	4.5.1.1	Appendix 11
4.5.1.2 <i>Liquid waste</i>	4.5.1.2	Appendix 11, Appendix 10, Appendix 12

Element of the TOR	EIS Section No.	Relevant Expert Report
4.5.2 Description of environmental values	4.5.2	Appendix 11
4.5.3 Potential impacts and mitigation measures	4.5.3	Appendix 11
4.6 Water resources	4.6	Appendix 12
4.6.1 Description of environmental values	4.6.1	Appendix 12
4.6.1.1 <i>Surface waterways</i>	4.6.1.1	Appendix 12, Appendix 14
4.6.1.2 <i>Groundwater</i>	4.6.1.2	Appendix 12
4.6.2 Potential impacts and mitigation measures	4.6.2	Appendix 12
4.6.2.1 <i>Surface water and water courses</i>	4.6.2.1	Appendix 12
4.6.2.2 <i>Groundwater</i>	4.6.2.2	Appendix 12
4.7 Coastal environment	4.7	Appendix 13
4.7.1 Description of environmental values	4.7.1	Appendix 12, Appendix 13
4.7.1.1 <i>Water quality</i>	4.7.1.1	Appendix 12
4.7.1.2 <i>Coastal processes</i>	4.7.1.2	Appendix 13
4.7.2 Potential impacts and mitigation measures	4.7.2	Appendix 12, Appendix 13
4.7.2.1 <i>Water Quality</i>	4.7.2.1	Appendix 12
4.7.2.2 <i>Coastal Processes</i>	4.7.2.2	Appendix 13, Appendix 14
4.8 Air	4.8	Appendix 15
4.8.1 Description of environmental values	4.8.1	Appendix 15
4.8.1.1 <i>Greenhouse gas emissions</i>	4.8.1.1	Appendix 15
4.8.2 Potential impacts and mitigation measures	4.8.2	Appendix 15
4.8.2.1 <i>Greenhouse gas abatement</i>	4.8.2.1	Appendix 15
4.9 Visual amenity and lighting	4.9	Appendix 16
4.9.1 Description of environmental values	4.9.1	Appendix 16
4.9.1.1 <i>Landscape character</i>	4.9.1.1	Appendix 16
4.9.1.2 <i>Visual amenity</i>	4.9.1.2	Appendix 16
4.9.2 Potential impacts and mitigation measures	4.9.2	Appendix 16
4.9.2.1 <i>Landscape character</i>	4.9.2.1	Appendix 16
4.9.2.2 <i>Visual amenity</i>	4.9.2.2	Appendix 16
4.9.2.3 <i>Lighting</i>	4.9.2.3	Appendix 16
4.10 Noise and vibration	4.10	Appendix 17
4.10.1 Description of environmental values	4.10.1	Appendix 17
4.10.2 Potential impacts and mitigation measures	4.10.2	Appendix 17
4.11 Nature conservation	4.11	Appendix 19, Appendix 3
4.11.1 Description of environmental values	4.11.1	Appendix 19, Appendix 3

Element of the TOR	EIS Section No.	Relevant Expert Report
4.11.1.1 <i>Flora</i>	4.11.1.1	Appendix 19, Appendix 3
4.11.1.2 <i>Terrestrial fauna</i>	4.11.1.2	Appendix 19, Appendix 3
4.11.1.3 <i>Aquatic biology and fisheries</i>	4.11.1.3	Appendix 19, Appendix 3
4.11.2 Potential impacts and mitigation measures	4.11.2	Appendix 19, Appendix 3
4.11.2.1 <i>Flora and Fauna</i>	4.11.2.1	Appendix 19, Appendix 3
4.11.2.2 <i>Aquatic Ecology and Fisheries</i>	4.11.2.2	Appendix 19, Appendix 3
4.12 Cultural heritage	4.12	Appendix 20
4.12.1 Description of environmental values	4.12.1	Appendix 20
4.12.1.1 <i>Indigenous Cultural Heritage</i>	4.12.1.1	Appendix 20
4.12.1.2 <i>Non-Indigenous Cultural Heritage</i>	4.12.1.2	Appendix 20
4.12.2 Potential impacts and mitigation measures	4.12.2	Appendix 20
4.13 Social	4.13	Appendix 21
4.13.1 Description of environmental values	4.13.1	Appendix 21
4.13.2 Potential impacts and mitigation measures	4.13.2	Appendix 21
4.14 Health and safety	4.14	Appendix 22
4.14.1 Description of environmental values	4.14.1	Appendix 22, Appendix 15, Appendix 17
4.14.2 Potential impacts and mitigation measures	4.14.2	Appendix 15, Appendix 17, Appendix 22
4.15 Economy	4.15	Appendix 23
4.15.1 Description of environmental values	4.15.1	Appendix 23
4.15.2 Potential impacts and mitigation measures	4.15.2	Appendix 23
4.16 Hazard and risk	4.16	Appendix 24
4.16.1 Description of environmental values	4.16.1	Appendix 24
4.16.2 Potential impacts and mitigation measures	4.16.2	Appendix 24
4.16 Cross-reference with the Terms of Reference	4.16	
5 ENVIRONMENTAL MANAGEMENT PLAN	5	
6 REFERENCES	6	