Appendix B

Terms of Reference Cross Check

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Terms of Reference

TOR Item	EAR Reference
Executive summary	
The executive summary should describe the Project and convey the most important and preferred matters, impacts and environmental management options relating to the Project in a concise and readable form. It should use plain English, avoid jargon, be written as a stand-alone document and be structured to follow the EAR. It should be easy to reproduce and distribute on request to those who may not wish to read the whole EAR.	Executive Summary
Glossary of terms	
Provide a list of acronyms, abbreviations and project-specific terms, including definitions for each.	Glossary
1.0 Introduction	
Clearly explain the purpose of the EAR. Include why the EAR has been prepared and what the report aims to achieve. Include an overview of the structure of the document.	Chapter 1, Section 1.1
1.1 Project proponent	
Identify the proponent.	Chapter 1, Section 1.2
1.2 Legislative framework	
Provide a brief description of the Projects status under the *State Development and Public Works Organisation Act 1971*.	Chapter 1, Section 1.3
Provide a brief description of the legislative requirements that guide Powerlink operations, e.g. *Electricity Act 1994* and *Electrical Safety Act 2002*.	Chapter 1, Section 1.2
Provide a brief description of the legislative requirement for the EAR and the proposed approval process for the Project under relevant Commonwealth, State and local legislation and policy.	Chapter 1, Section 1.4
Describe the Project in terms of the State Interest for Energy and Water Supply.	Chapter 28, Section 28.3
Discuss how the Project achieves the requirements of S36 of the *Planning Act 2016*.	Chapter 1, Section 1.3

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TOR Item	EAR Reference
2.0 Project justification and feasible alternatives	
2.1 Project justification	
The justification for the Project should be described, with particular reference made to the economic and social benefits, and Powerlink's statutory obligations.	Chapter 2, Section 2.1
The relevance of the Project should be discussed in relation to the regional, State and National context.	Chapter 2, Section 2.1
2.2 Feasible alternatives	
Describe any feasible alternatives to the Project, including conceptual, technological and locality alternatives, as well as discussion on not proceeding with the Project. Describe any non-network alternatives.	Chapter 2, Section 2.2
Alternatives should be discussed in sufficient detail to enable an understanding of the decision making process. Comparative environmental impacts should be summarised where possible.	Chapter 2, Section 2.2
Reasons for selecting the preferred options should include technical, commercial, social and natural environment aspects.	Chapter 2, Section 2.2
3.0 Project description	
3.1 Proposed development	
The EAR must describe and illustrate, at a minimum, the following specific information about the Project:	
• project title	Chapter 3, Section 3.1
• project description, including the size, scale and intensity of the infrastructure and associated land requirements	Chapter 3, Sections 3.5, 3.6, 3.7, 3.8 and 3.9
• project objectives	Chapter 3, Section 3.1
• rationale for the Project and lifespan	Chapter 3, Section 3.1
• regional and local context of the Project's footprint (with maps at suitable scales)	Chapter 3, Section 3.3
• relationship to Genex's current and future development plans for Kidston	Chapter 3, Sections 3.1 and 3.4

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• relationship to other major projects and/or developments (of which Powerlink should reasonably be aware)	Chapter 3, Sections 3.1 and 3.4
• workforce numbers to be employed by the Project during its various phases	Chapter 3, Section 3.8
• where personnel would be accommodated	Chapter 3, Section 3.7
• proposed construction staging and likely schedule of works	Chapter 3, Section 3.2
• operations and maintenance requirements.	Chapter 3, Sections 3.5.3 and 3.6.3
3.2 Site description	
Provide real property descriptions of the Project land; any easements; tenures; and identification number of any lease for the Project land that is subject to the application.	Chapter 3, Section 3.3
Describe and map any key transport corridors, local government orstate-controlled roads, rail, air and other infrastructure or services in the region and to the site.	Chapter 3, Section 3.3
Describe and illustrate specific information about the Project including the precise location of the proposed development in relation to designated and protected areas.	Chapter 8
3.3 Construction	
Describe the following information about the Project (where relevant):	
• all pre-construction activities (e.g. vegetation clearing, site access, interference with a watercourse and floodplain areas, etc.)	Chapter 3, Section 3.5.2, 3.6.2
• existing infrastructure and easements on the potentially affected land	Chapter 3, Section 3.3 Chapter 4 Chapter 13 Chapter 24
• the proposed construction methods, associated equipment and techniques	Chapter 3, Sections 3.5.2, 3.6.2

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TOR Item	EAR Reference
• location, design and capacity of water supply, telecommunications, power generation and transmission infrastructure	Chapter 24
• hours of operation for proposed construction works, including night time works	Chapter 3, Section 3.2
• workforce accommodation options	Chapter 3, Section 3.7
• the sequencing and staging of activities	Chapter 3, Section 3.2
• the capacity of high-impact plant and equipment, their chemical and physical processes, and chemicals or hazardous materials to be used	Chapter 3, Sections 3.5.2, 3.6.2 and 3.9
• the known locations of new or altered works and structures and infrastructure necessary to enable construction	Chapter 3, Sections 3.5.2, 3.6.2 and 3.7
• location of quarry operations the Project may source materials from	Chapter 3, Section 3.9
• the range of land uses and site layout, to include (where relevant): - laydown areas - staging areas - brake and winch sites - helicopter over run paths - concrete batching plants - transformer vehicle movements - swept paths - entry and exit strategies.	Chapter 3, Sections 3.5.2.9, 3.7 and 3.9
• built form and design specifics	Chapter 3, Sections 3.5.1 and 3.6.1
• the commissioning process including landscaping and the rehabilitation of affected areas after construction	Chapter 3, Sections 3.5.2 and 3.6.2

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• infrastructure requirements (e.g. roads, electricity, telecommunications, sewerage).	Chapter 3, Sections 3.5.2 and 3.6.2
Where possible show maps of aspects of the Project (e.g. access tracks, development footprint, laydown areas, etc.).	Chapter 3 figures
3.4 Operation and maintenance	
Describe the following information about the Project (where relevant):	
• anticipated staff numbers	Chapter 3, Sections 3.5.3 and 3.6.3
• staff site access	Chapter 3, Sections 3.5.3 and 3.6.3
• hours of operation	Chapter 3, Sections 3.5.3 and 3.6.3
• maintenance procedures for the proposed development	Chapter 3, Sections 3.5.3 and 3.6.3
• the integration of required infrastructure (e.g. connecting to the wider electrical network)	Chapter 3, Section 3.1
• project operation procedures.	Chapter 3, Sections 3.5.3 and 3.6.3
3.5 Decommissioning	
Provide information on the decommissioning process at the end of the life of the Project. This will include the removal of infrastructure from the site and the potential long term use of the site.	Chapter 3, Sections 3.5.4 and 3.6.4

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TOR Item	EAR Reference
4.0 Assessment of matters	
This section aims to: • describe the existing environmental values of the area which may be affected by the Project • assess the potential impact of the Project on those environmental values • develop mitigation measures to minimise those impacts.	Chapters 4 to 25
When addressing the existing environment describe the physical features of the study corridor in sufficient detail to allow the environmental impacts of the proposal to be adequately assessed and to provide a baseline against which predicted and future changes can be measured. Map and illustrate values where possible and practical.	Chapters 4 to 25
For each matter, the sequence of assessment should be undertaken and presented as follows: 1. Existing environment 2. Potential impacts (construction, operation and decommissioning – if relevant) 3. Management and mitigation measures.	Chapters 4 to 25
For each matter, describe the proposed mitigation measures and how the proposed activity will be consistent with best practice management. Where a government plan is relevant to the activity or study corridor, describe the activity's consistency with that plan.	Chapters 4 to 25
Additionally, describe how the achievement of the objectives would be monitored, audited and reported, and how corrective actions would be managed.	Chapters 4 to 25
4.1 Land	
Describe and illustrate the topography of the study corridor, and highlight any significant features shown on the maps. Include and name rivers and creeks. Maps should include a scale, and have contours at suitable increments relevant to the scale, location, potential impacts and type of project, shown with respect to Australian Height Datum (AHD) and drafted to GDA94.	Chapter 4, Sections 4.1, 4.2 and 4.3
Describe and map the geology and landforms of the study corridor. Show geological structures that could have an influence on, or be influenced by, the Project's activities.	Chapter 4, Sections 4.1, 4.2 and 4.3

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Describe, map and illustrate soil types and profiles of the study corridor at a scale relevant to the Project Describe the management of soil and erosion and sediment control. Identify potential and actual areas of acid sulfate soils within the study corridor. Where potential areas are identified, further investigations (including field surveys) should be undertaken in accordance with the State Planning Policy and accepted industry guidelines. Describe the management practices required for any acid sulfate soils within the Project area in accordance with regulatory requirements.	Chapter 4, Sections 4.1, 4.2 and 4.3
Describe any known mineral deposits, mines or quarries of commercial significance, including any registered exploration permits, mineral development licences, or mining leases, and active, disused, or abandoned workings within the study corridor. Describe the extent, if any, of any mining tenements with suitable mapping within the study corridor and address impacts on known mining and petroleum resources and resource exploration and development tenure activities.	Chapter 4, Sections 4.1, 4.2 and 4.3
Detail any known or potential sources of contaminated land based on searches of affected land parcels on the Environmental Management Register and Contaminated Land Register. Describe how any proposed land use may result in land becoming contaminated. Map and describe any potential or known unexploded ordnance.	Chapter 4, Sections 4.1, 4.2 and 4.3
4.2 Climate	
Provide a description of the climatic features and microclimate of the region (temperature, wind, frost, rainfall, etc.). Climate information should be presented in a statistical form including long-term averages and extreme values, as necessary.	Section 5.1
Describe in general detail how the potential effects of climate change may impact on the development.	Section 5.2, Section 5.4
Direct greenhouse gas emissions associated with the Project should be assessed taking into account construction materials, vehicle movement including assumptions about travel and load capacities, construction and maintenance equipment, vegetation clearing, and changes in electrical losses. Anticipated emissions should be assessed in a regional and national context.	Section 5.4.1
4.3 Air quality	
Provide a description of the air quality values in the study corridor and how they may be affected by the Project.	Section 6.2
Describe the nature and extent of existing significant emissions sources in the study corridor.	Section 6.2.1

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Describe the characteristics of contaminants or materials that may be released as a result of the construction or operations of the Project. Emissions during construction, commissioning, operations and upset conditions should be described.	Section 6.3.1.1, 6.3.1.2, 6.3.1.3
Identify potentially impacted receptors within the study corridor. The description of impacts should take into consideration the assimilative capacity of the receiving environment and the practices and procedures that would be used to avoid or minimise impacts.	Section 6.2.2, 6.3.1
The assessment must include reference to all performance criteria relevant to the Project under the *Environment Protection Act 1994*, Environment Protection Regulation 2008 and Environmental Protection (Air) Policy 2008.	Section 6.2
4.4 Water Resources and Hydrology	
Describe the location, scale and significance of hydrological features and characteristics within the study corridor, to include surface waters and groundwater.	Chapter 7, Section 7.1
Detail the chemical and physical characteristics of surface waters and groundwater within the study corridor that may be affected by the Project. Include a description of water quality variability associated with climatic and seasonal factors, variability of freshwater flows and extreme events.	Chapter 7, Section 7.1
Assess the potential impacts of the Project on the quality and quantity of surface waters, groundwater and overland flow taking into consideration the practices and procedures that would be used to avoid or minimise impacts. Demonstrate how any impacts will be appropriately addressed.	Chapter 7, Section 7.2
Describe where water will be sourced and assess impacts on the water cycle in the region. Describe sources, quantities and other relevant factors.	Chapter 7, Section 7.2.4
Describe flood events in the region, including: • Details of historical events • Expected flood extents, leveraging any previous work by local or State Government • Potential impacts to and from the Project and how those impacts are mitigated and managed • Details of flood immunity requirements for different aspects of the Project and how they will be achieved.	Chapter 7, Sections 7.1.1.5 and 7.2 Appendix D

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TOR Item	EAR Reference
4.5 Protected areas	
Provide a description of the location, scale and significance of protected areas within the study corridor. The assessment should include, but not be limited to, areas of international, national, state and local significance.	Chapter 8, Section 8.1
Identify mitigation measures that can be applied to manage impacts.	Chapter 8, Section 8.3
Describe the potential impacts on the identified values of the protected area.	Chapter 8, Section 8.2
4.6 Flora	
Describe the presence, extent and integrity of matters of floristic and vegetative value in the study corridor. The assessment should include, but not be limited to, the following key elements: • matters of state environmental significance • biological diversity of listed flora species and regional ecosystems • the existing integrity of ecological processes, including habitats of threatened, near-threatened or special least-concern flora species e.g. the prevalence of invasive species • actions of the Project that require an authority under Commonwealth or state legislation.	Chapter 9, Section 9.1 Chapter 11, Sections 11.1 and 11.2 Appendix E Appendix F
Describe the likely impacts on the flora and flora habitat values of affected areas arising from the construction and operation of the Project. Take into account any proposed avoidance and/or mitigation measures.	Chapter 9, Section 9.3 Appendix E Appendix F

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TOR Item	EAR Reference
4.7 Fauna	
Describe the presence, extent and integrity of matters of fauna value in the study corridor. The assessment should include, but not be limited to, the following key elements: • matters of state environmental significance • terrestrial and aquatic ecosystems and their interaction • waterways providing for fish passage • biological diversity including listed fauna species and their habitat • the existing integrity of ecological processes, including habitats of threatened, near-threatened or special least-concern species • the integrity of landscapes and places, including wilderness and similar natural places • impacts on native fauna due to proximity to the site and site impacts (e.g. lighting, noise, waste, pest species) • actions of the Project that require an authority under Commonwealth or state legislation.	Chapter 10, Section 10.1 Chapter 11, Sections 11.1 and 11.2 Appendix E Appendix F
Describe the likely impacts on the fauna and fauna habitat values of affected areas arising from the construction and operation of the Project. Take into account any proposed avoidance and/or mitigation measures.	Chapter 10, Section 10.3 Appendix E Appendix F
4.8 Matters of national environmental significance	
Under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), actions that have, or are likely to have a significant impact on a matter of national environmental significance require approval from the Australian Government Minister for the Environment. The Minister will decide whether assessment and approval is required under the EPBC Act. Key matters of national environmental significance to be discussed for the Project include:	
• listed threatened species and communities	Chapter 9, Section 9.1 Chapter 10, Section 10.1 Chapter 11, Section 11.1 Appendix E Appendix F

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• listed migratory species, protected under international agreements	Chapter 10, Section 10.1 Chapter 11, Section 11.1 Appendix E Appendix F
The EAR must:	
a) describe the presence and extent of matters of national environmental significance in relation to the Project	Chapter 9, Section 9.1 Chapter 10, Section 10.1 Appendix E Appendix F
b) assess all the relevant impacts that the Project will or is likely to have on matters of national environmental significance	Chapter 9, Section 9.2 Chapter 10, Section 10.2 Appendix E Appendix F
c) conclude the potential significance of impact on each relevant matter of national environmental significance, in reference to *Matters of National Environmental Significance: Significant impact guidelines 1.1*.	Chapter 11, Section 11.1
d) conclude if the Project needs to be referred to the Australian Government Minister for the Environment for a determination as to whether or not it is a Controlled Action under the EPBC Act.	Chapter 11, Section 11.1 Chapter 27, Section 27.1
4.9 Biosecurity	
Describe the presence and prevalence of non-native fauna and flora species within the study corridor. Describe the potential impact of the Projects construction and operation on the introduction and spread of pest species. Propose detailed measures to control and limit the spread of pests and weeds within the Project footprint and adjacent areas, including any controls used in the development of the Project to date. Reference biosecurity information published by the state or local government for the region.	Chapter 12

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TOR Item	EAR Reference
4.10 Land use	
Discuss the compatibility of the Project with the surrounding area and the region, taking into consideration the proposed measures that would be used to avoid or minimise impacts. The discussion should include:	
• existing and proposed land uses within the study corridor, referring to regional plans and the local government planning scheme	Chapter 13, Section 13.1
• any tenures overlying the study corridor, and any to be applied for as part of this Project	Chapter 13, Section 13.1.1
• state interests identified in the State Planning Policy	Chapter 28
• locational factors influencing the choice of site.	Appendix K
Discuss the proposal in the context of the relevant statutory regional plan and planning scheme.	Chapter 28
Identify existing and potential native title rights and interests possibly impacted by the Project and the processes that will be used to manage those impacts.	Chapter 13, Section 13.1.6
4.11 Visual amenity	
Describe and illustrate the visual impact of the construction and operation of the Project. Include major views, view sheds, outlooks, and features contributing to the amenity of the area, including assessment from private residences.	Chapter 14, Section 14.2 Appendix G
Evaluate local and regional visual impacts of the Project and any broad scale clearing. Include potential visual impacts on the users of State-controlled roads.	Chapter 14, Section 14.2 Appendix G
Sketches, diagrams, computer imaging and photos may be used where possible to portray the near views and far views of the completed development and their surroundings from visually sensitive locations.	Appendix G
4.12 Social and economic	
Describe the regional social and economic characteristics of the study corridor, including the residential, commercial, industrial and agricultural values.	Chapter 15, Section 15.1

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TOR Item	EAR Reference
Describe the likely impacts (positive and negative) on affected communities. Identify the relevant stakeholders (local and regional) and the likely economic impacts arising from each key stage of the construction and operation of the Project. Quantify economic impacts where suitable data and methodology can be applied. Otherwise, these should be assessed qualitatively.	Chapter 15, Section 15.2
Discuss mitigation measures proposed to mitigate expected negative impacts.	Chapter 15, Section 15.3
4.13 Indigenous cultural heritage	
Provide a description of Indigenous cultural heritage values present in the study corridor. Any detailed investigation or study should be conducted by an appropriately qualified cultural heritage practitioner.	Chapter 16
Provide strategies to mitigate and manage any negative impacts on Indigenous cultural heritage values and enhance any positive impacts.	Chapter 16
4.14 Non-indigenous cultural heritage	
Undertake a study of, and describe, the known and potential historical cultural and landscape heritage values of the area potentially affected by the Project. Any such study should be conducted by an appropriately qualified cultural heritage practitioner.	Chapter 17, Sections 17.1 and 17.2
Provide strategies to mitigate and manage any negative impacts on non-Indigenous cultural heritage values and enhance any positive impacts.	Chapter 17, Sections 17.2 and 17.3
4.15 Transport and traffic	
Describe the existing transport infrastructure within the study corridor, including a description of the existing aerodromes, road and rail networks.	Chapter 18, Section 18.2
Consider impacts to local aircraft flight paths, including commercial and private flights.	Chapter 18, Section 18.3

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TOR Item	EAR Reference
Information should be provided on road transportation requirements on public roads for both construction and operations phases, including: • proposed road access to the Project, including wet weather access if different from normal access • the estimated volume, composition (types and quantities) of, origin and destination of goods to be moved including construction materials, plant, raw materials, wastes, hazardous materials • the volume of traffic generated by workforce personnel, visitors and service vehicles and the delivery of materials, plant, and equipment to the Project • anticipated times at which movements may occur.	Chapter 18, Section 18.3
Describe management and mitigation measures that may be applied during the construction and operation of the Project in relation to transport infrastructure and traffic management.	Chapter 18, Section 18.4
4.16 Noise and vibration	
Describe the noise and vibration emissions (point source and general emissions) that may occur during all stages of the Project (i.e. construction, operation and decommissioning as relevant).	Chapter 19, Section 19.2 Appendix H
Provide a description of the location of sensitive receptors within the study corridor.	Chapter 19, Section 19.1 Appendix H
Consider the cumulative impact of noise with other known emissions of noise associated with existing development and proposed future developments.	Chapter 25, Section 25.2 Appendix H
The assessment must include reference to all performance criteria relevant to the Project under the *Environment Protection Act 1994*, Environment Protection Regulation 2008 and Environmental Protection (Noise) Policy 2008.	Chapter 19, Section 19.2 Appendix H
4.17 Hazards, health and safety	
Describe the potential risks to people and property that may be associated with the Project. The assessment should include:	
• potential hazards, accidents, spillages, fire and abnormal events that may occur during all stages of the Project	Chapter 20, Section 20.3
• identifying all hazardous substances to be used, stored, processed or produced and the rate of usage	Chapter 20, Section 20.4.2

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TOR Item	EAR Reference
• potential natural hazards (e.g. cyclone, storm tide inundation, flooding, bushfire, landslide, shoreline erosion) and implications related to climate change	Chapter 20, Sections 20.2 and 20.3
• how the Project may potentially affect hazards away from the Project site (for example, changing flooding characteristics and bushfire risk).	Chapter 7, Section 7.2 Chapter 20, Sections 20.2 and 20.3 Chapter 22, Section 22.2
Provide details on the safeguards that would reduce the likelihood and severity of hazards, consequences and risks to persons, within the study corridor. Identify the residual risk following application of mitigation measures.	Chapter 20, Section 20.4
Present an assessment of the overall acceptability of the impacts of the Project in light of the residual uncertainties and risk profile.	Chapter 20, Section 20.5
Provide an outline of the proposed integrated emergency management planning procedures (including evacuation plans, if required) for the range of situations identified in this section.	Chapter 20, Section 20.4.4
Outline any consultation undertaken with the relevant emergency management authorities, including the Local Disaster Management Group.	Chapter 20, Section 20.4.4
4.18 Electric and magnetic fields	
Describe the levels of extra low frequency electric and magnetic fields (EMF) associated with the Project.	Chapter 21, Section 21.4.1
Assess the potential of higher frequency electric fields caused by corona to cause interference with nearby electronic systems such as navigation aids, mobile communications, and television and radio reception.	Chapter 21, Section 21.4.4
Describe impacts of EMF on types of agriculture traversed by the proposed transmission line alignment where certification information is available from Australian industry recognised certification.	Chapter 21, Section 21.4.4.2
4.19 Bushfire risk	
Describe the existing fire hazard severity of the study corridor.	Chapter 22, Section 22.1
Discuss any likely causes of fire resulting from construction, operation or maintenance activities of the Project.	Chapter 22, Section 22.2.1

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Discuss any likely effects of fire on the planning, construction, operation, and maintenance activities of the Project.	Chapter 22, Section 22.2.2
4.20 Waste management	
Describe the expected significant waste streams from the Project activities during the construction and operational phases.	Chapter 23, Section 23.3
Define and describe the objectives and practical measures for protecting or enhancing environmental values from impacts by wastes.	Chapter 23, Sections 23.2 and 23.3
Assess the proposed management measures against the preferred waste management hierarchy, namely: avoid waste generation; cleaner production; recycle; reuse; reprocess and reclaim; waste to energy; treatment; disposal. This includes the generation and storage of waste.	Chapter 23, Sections 23.2 and 23.3
4.21 Infrastructure	
Describe the existing infrastructure within the study corridor (e.g. pipelines, electricity infrastructure, etc.).	Chapter 24, Section 24.1
Provide details on the requirements for new infrastructure, upgrades and / or the relocation of existing infrastructure to facilitate the Project (accompanied with concept and layout plans). Take into consideration the water supply, energy supply, telecommunication, stormwater, waste and sewerage required by the Project.	Chapter 24, Section 24.2
Describe potential impacts to surrounding infrastructure as a result of the Project (both state and local).	Chapter 24, Section 24.2
4.22 Cumulative impacts	
To the extent of the information available, the assessment should endeavour to predict the cumulative impact of the Project on environmental, social and economic values over time and in combination with impacts created by the activities of other adjacent and upstream and downstream developments and landholders.	Chapter 25 Cumulative Impacts
5.0 Offsets	
Discuss the applicability of the EPBC Act Environmental Offsets Policy and Queensland Environmental Offsets Policy to the Project. If the policy does not apply, state the reasons for this. Include a description of how impacts have been avoided and minimised, and note that offsets apply only to significant residual impacts.	Chapter 1, Section 1.5 Chapter 11, Sections 11.1 and 11.2

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TOR Item	EAR Reference
Discuss options for acquitting the total offset liability, noting that Powerlink will choose the most appropriate mechanism to meet the offset requirement based on Powerlink's requirements.	Chapter 1, Section 1.5
6.0 Environmental management	
Describe the operational planning and controls that will be implemented to manage environmental impacts during the construction and operation phases of the Project. The environmental controls will be developed from, and be consistent with, the information in the EAR	Chapter 26 Appendix I
The operational controls will be provided as an appendix, capable of being read as a stand-alone document without reference to other parts of the EAR.	Appendix I
The draft EMP must comprise the following components for performance criteria and implementation strategies.	
• Powerlink's commitments to acceptable levels of environmental performance, including environmental objectives, performance standards and associated measurable indicators, performance monitoring and reporting.	Appendix I
• Impact prevention or mitigation actions to implement the commitments. Powerlink's Standard Environmental Controls must be reference for this purpose.	Appendix I
• Corrective actions to rectify any deviation from performance standards.	Appendix I
• An action program to ensure the environmental protection commitments are achieved and implemented. This will include strategies in relation to: - continuous improvement - environmental auditing - monitoring - reporting - staff training - a rehabilitation program for land proposed to be disturbed under each relevant aspect of the proposal.	Appendix I
The draft EMP shall be in a format to allow it to be integrated into Powerlink's Environmental Management System.	Appendix I

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TOR Item	EAR Reference
7.0 Planning and approvals requirements	
The purpose of this section is to provide an overview of how relevant legislation and policies apply to the Project. The component of the Project that triggers each legislative act or policy must be identified. Where the relevance of an act or policy needs to be determined at a later stage of the Project, this must be clearly identified.	Chapter 27
7.1 Commonwealth	
Detail the requirements of relevant Commonwealth legislation including the roles of government agencies.	Chapter 27, Section 27.1
Describe any approval that has been obtained from a Commonwealth agency or authority, including any conditions that apply to the Project. Include any other requirements for approvals or conditions that apply, or that Powerlink reasonably believes are likely to apply, to the Project.	Chapter 27, Section 27.1
Describe the monitoring, enforcement and review procedures that apply, or are proposed to apply, to the Project.	Chapter 27, Section 27.1
7.2 State	
Detail the requirements of relevant State legislation including the roles of government agencies.	Chapter 27, Section 27.2
Describe any approval that has been obtained by Powerlink or Genex, including any conditions that apply to the Project. Include any other requirements for approvals or conditions that apply, or that Powerlink reasonably believes are likely to apply, to the Project.	Chapter 27, Section 27.2
Describe the monitoring, enforcement and review procedures that apply, or are proposed to apply, to the Project.	Chapter 27, Section 27.2
7.2.1 State Planning Policy	
Identify which State interests are applicable to the Project and provide a statement about how they relate to the Project.	Chapter 27, Section 27.3
7.2.2 Regional Plans	
Identify if any regional plans, state development areas or other areas of significance are applicable to the study corridor and provide a statement about how they relate to the Project.	Chapter 27, Section 27.3

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7.3 Local government planning, ordinances and by-laws	
Identify local government planning schemes that are applicable to the study corridor and provide a statement about how they relate to the Project.	Chapter 27, Section 27.4
Identify applicable local ordinances and by-laws and provide a statement about how they relate to the Project.	Chapter 27, Section 27.4
7.4 Summary of legislative triggers	
Provide a summary of the Commonwealth, State and local legislative requirements. The table must include the applicable legislation, responsible authority, a description of the relevant activity and the licence / permit / approval requirements for the Project.	Chapter 27, Section 27.5
8.0 Community and stakeholder consultation	
8.1 Summary of engagement	
Describe the engagement process and outcomes for the Project. This section provides a narrative of the engagement process, offering a detailed description in support of the formal descriptions. Include discussion of:	Chapter 28
• engagement processes and frameworks employed	Chapter 28, Section 28.1
• stakeholders and landholders contacted	Chapter 28, Section 28.2
• numbers of meetings, workshops and other modes of engagement • different engagement activities undertaken for each stage of the development	Chapter 28, Section 28.3
• notices, documents and engagement collateral utilised	Chapter 28, Section 28.3
• issues identified and any changes made to incorporate feedback	Chapter 28, Section 28.3
8.2 Identified stakeholders	
Identify all affected parties and stakeholders, including:	
• any local government that would be affected by the infrastructure proposal	Chapter 28, Section 28.2

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• any directly affected, non-local government utility providers	Chapter 28, Section 28.2
• for site based infrastructure, all adjoining landowners	Chapter 28, Section 28.2
• for linear infrastructure, any directly affected landowners and adjoining landowners to the study corridor	Chapter 28, Section 28.2
• any identified cultural heritage or native title parties.	Chapter 28, Section 28.2
8.3 Consultation activities	
Describe consultations undertaken to date and intentions for advisory agency and community consultation and engagement.	Chapter 29, Section 29.3
Requirement for Final EAR Provide: • a list of all parties and stakeholders consulted (other than persons who have indicated that they do not wish to be identified or referenced in the report).	To be provided with Final EAR submission
• a summary of all submissions	To be provided with Final EAR submission
• the issues raised in the submissions and how those issues have been addressed	To be provided with Final EAR submission
• Powerlink's response to any matters in the state interest review	To be provided with Final EAR submission
• any changes that have occurred to the infrastructure proposal following the end of the state interest review	To be provided with Final EAR submission
• details of any matters that the Minister has advised may be included in the designation if made	To be provided with Final EAR submission
• any further environmental, social or economic impacts identified through the consultation, and how these impacts will be avoided, mitigated or offset	To be provided with Final EAR submission

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• evidence of consultation with the local government about any associated infrastructure requirements, specifically roles and responsibilities and funding arrangements.	To be provided with Final EAR submission
• a checklist to demonstrate compliance with the consultation requirements of Chapter 7 of the MGR.	To be provided with Final EAR submission
9.0 References	
All references consulted during preparation of the EAR must be presented using the Harvard (Author/Date) system.	Reference List
10.0 Appendices to the EAR	
Appendices should provide the complete technical evidence used to develop assertions and findings in the main text of the EAR. No significant issue or matter should be mentioned for the first time in an appendix.	
Appendices to the EAR should include, where appropriate:	
• the final TOR	Appendix A
• the TOR checklist – a table listing the section of the EAR where each component of the TOR is addressed	Appendix B
• a copy of the Infrastructure Proposal for the Project	Appendix C
• list of approvals and permits that are or may be required for the Project	Chapter 28
• relevant technical reports	Appendix D Appendix E Appendix F Appendix G Appendix H
• draft EMP	Appendix I
• Consultation Report, including submissions [Final EAR].	To be provided with Final EAR submission

D R A F T

Department of State Development, Manufacturing, Infrastructure and Planning Acknowledgement of Request to Designate Premises for the Development of Infrastructure

Component	Reference
Acknowledgement of request to designate premises for the development of infrastructure (Given under chapter 7, part 2, section 3.1 of the Minister's Guidelines and Rules (MGR))	
The Department of State Development, Manufacturing, Infrastructure and Planning (the department), received your request on 21 June 2018 to designate premises between Kidston and Mount Fox in North Queensland for the development of infrastructure.	Noted
The department has reviewed your infrastructure proposal and considers that the supplied material sufficiently addresses the matters outlined in chapter 7, part 1, section 2.2 of the MGR.	Noted
You may now prepare a Draft Environmental Assessment Report (dEAR) and undertake consultation, consistent with chapter 7, parts 3 and 4 of the MGR. Please provide a copy of the dEAR and amended consultation strategy to the department prior to the commencement of consultation.	Noted
Type of infrastructure	
Type of infrastructure The infrastructure proposal requests the premises be designated for the following infrastructure as per schedule 5, part 2 of the Planning Regulation 2017 (the regulation): • Item 7: electricity operating works.	Noted
Relevant local governments	
The department considers the following local governments are or may be affected by the proposal: • Etheridge Shire Council • Charters Towers Regional Council • Hinchinbrook Shire Council.	Noted

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Component	Reference
Real property description	
Table 1 details the real property descriptions of the lands that will be affected by the infrastructure proposal.	
Lot on Plan: • 59 SP237064 • 26 WU4 • 100 SP281848 • 3198 PH2177 • 3 WU48 • 6 WU50 • 1 0064 • 5234 SP275834 • 1 CLK23 • 5 CLK23 • 11 CLK26 • 6 CLK25 • 501 SP232789 • 547 SP242570 • 3 CLK34 • 4 CD35 • 1 CD25 • 3 CD12 • 14 LH8 • 182 PH995 • 66 SP287774 • 1 SP289310 • 4 PY15	Noted. The following lots are not anticipated to be affected: 26 WU4 100 SP281848 6 CLK25 4 PY15
Consultation Requirements	
The proposed consultation strategy provided with the designation request has been reviewed and it is to be amended to specifically include the following: • the adjoining landholders that are identified in the infrastructure proposal as target stakeholders • the holders of resource tenements affected by the infrastructure and include them as target stakeholders • identify any directly affected non-government utilities and include them as target stakeholders and • identify which engagement methods will be applied to each category of Powerlink's target stakeholders, in accordance with the MGR, Chapter 7, Part 3, section 4.2 and Part 4, sections 5.'1 — 5.6, in a way that is differentiated from general public consultation.	Noted. The consultation strategy has been amended

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Component	Reference
In addition, the consultation strategy must document how the Infrastructure Entity will: • give notice to the Minister, all affected parties and stakeholders, in accordance with the • MGR, Chapter 7, Part 4, Section 5.4 on: - how the dEAR can be viewed or accessed including a link to the department's infrastructure designations website, or - how they will be provided with a copy of the dEAR, and - how to make a submission to the Minister within the consultation period including through the department's infrastructure designations website; and • undertake newspaper advertising that is in accordance with the MGR, Chapter 7, Part 4, Section 5.5 and 5.6.	Chapter 28, Section 28.4
Consultation is to be carried out in accordance with the consultation strategy provided with the request, and the required amendments, and is to occur for a minimum period of 20 business days, inclusive.	Chapter 28
Advice about the draft Environmental Assessment Report (dEAR)	
It is recommended that the dEAR address, among any other statutory requirements, the following state interests that apply to the proposal:	
Agriculture	
The construction and operation of the infrastructure must ensure development on, or adjacent to, the stock route network does not compromise the ongoing functionality and connectivity of the network's primary use for moving stock on foot, and other uses and values including grazing, environmental, recreational, cultural heritage, and tourism values.	Chapter 13, Sections 13.1.1 and 13.1.3
The dEAR should demonstrate how the construction and operation of the infrastructure will: • avoid fragmentation of ALC Class A or Class B land into lot sizes inconsistent with the current or potential use of the land for agriculture • not have an irreversible impact on, or adjacent to, ALC Class A or Class B land • maintain or enhance land conditions and the biophysical resources underpinning ALC Class A or Class B land and • not compromise the safe and effective operation of existing intensive agricultural land uses, such as intensive animal industries, aquaculture, and intensive horticulture.	Chapter 13, Section 13.2.1

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Component	Reference
The dEAR should include management strategies to prevent the spread of pests during construction and operation activities in accordance with general biosecurity obligations, including practices for managing weeds of national significance (such as siam weed, *Chromolaene odorata,* which has recently been seen in the area).	Chapter 12 Appendix I
Development and Construction	
The dEAR should include:	
• real property descriptions of the land affected by the infrastructure, and any easements/tenures or leases, existing or to be created that are to be subject to the infrastructure designation • details of any tenures (e.g. easements, strata title rights) existing along the route of the infrastructure and their effects • how existing and potential native title rights affected by the infrastructure will be identified and addressed appropriately.	Chapter 3 Chapter 4 Chapter 13 Chapter 27
The infrastructure must be designed, constructed and operated to avoid, manage or mitigate to an acceptable level any impacts on the natural, cultural and economic values of Girrigun National Park.	Chapter 8
The dEAR should address any potential land use/tenure conflicts arising from the purchase and use of land in the vicinity of the infrastructure by the Australian Defence Force.	Chapter 13 Chapter 25
Mining and Extractive Resources	
The dEAR should address how the infrastructure will impact on areas of known mineral deposits, mines or quarries including land under exploration permits or mining leases, as well as disused or abandoned mine workings, and how these impacts will be managed or mitigated to protect, and allow the productive use of, the resources and ensure the safety of workers.	Chapter 4

D R A F T

Component	Reference
Biodiversity	
The infrastructure must be designed, constructed (including any associated vegetation clearing) and operated, to ensure: • significant impacts on matters of national environmental significance avoided and the requirements of the Environment Protection and Biodiversity Conservation Act 1999 are considered • matters of state environmental significance are identified and adverse impacts on these matters avoided; or where adverse impacts cannot be reasonably avoided, they are minimised; these matters include but are not limited to: • regulated vegetation, including endangered and of concern regional ecosystems o wetlands and watercourses • essential habitat for an animal or plant that is endangered, vulnerable or near threatened • connectivity areas • protected wildlife habitat, for example: ▪ non-juvenile koala habitat trees, ▪ habitat for an animal that is endangered, vulnerable or special least concern as defined under the *Nature Conservation Act 1992* ▪ an area shown as a high risk area on the flora survey trigger map that contains plants that are endangered or vulnerable • matters of local environmental significance are identified and adverse impacts are avoided; or where adverse impacts cannot be reasonably avoided, they are minimised and • ecological processes and connectivity is maintained or enhanced by avoiding fragmentation of matters of environmental significance.	Chapter 9 Chapter 10 Chapter 11 Appendix E Appendix F
Where potential impacts to prescribed environmental matters are identified, an assessment to identify whether the proposal project will, or is likely to have, a significant residual impact on a matter of state environmental significance, is required consistent with the Department of Environment and Science, Significant Residual Impact Guideline.	Chapter 11, Section 11.1
If, despite management and mitigation of impacts, the infrastructure still has a significant impact on environmental values, an offset may be required under the *Environmental Offsets Act 2014.*	Chapter 1, Section 1.5

D R A F T

Component	Reference
Cultural Heritage	
The dEAR should identify matters of Aboriginal and Torres Strait Islander cultural heritage that may be affected by the infrastructure. Details of how any Aboriginal and Torres Strait Islander cultural heritage matters that are identified will be considered and appropriately conserved to support the requirements of the *Aboriginal Cultural Heritage Act 2003* and the *Torres Strait Islander Cultural Heritage Act 2003.*	Chapter 16
Water Quality	
The dEAR should demonstrate how the infrastructure will be designed, constructed and operated to avoid, minimise or mitigate adverse impacts on environmental values of receiving waters arising from: • altered stormwater quality and hydrology • waste water (other than contaminated stormwater and sewage) • the creation or expansion of non-tidal artificial waterways and • the release and mobilisation of nutrients and sediments.	Chapter 7 Chapter 23 Appendix I
During the construction of the infrastructure, the applicable stormwater management design objectives in the State Planning Policy, Appendix 2, Table A must be achieved.	Chapter 7
The dEAR should demonstrate how the impacts on waterways and fish habitats, where waterway barrier works, excavation or placing of fill (temporary or permanent), taking or interfering with water, or destroying vegetation in a watercourse, is required to allow machinery and/or vehicle access along the proposed transmission line corridor and substation sites, will be managed or mitigated.	Chapter 7 Chapter 26 Appendix I
Emissions and Hazardous Activities	
The dEAR should demonstrate how: • activities involving the use, storage, transport and disposal of hazardous materials and prescribed hazardous chemicals, dangerous goods, and flammable or combustible substances are located and managed to minimise health and safety risks to communities and individuals during the construction of the infrastructure • the construction of the infrastructure will deal with risks associated with potential contaminated land on properties listed on the Environmental Management Register/Contaminated Land Register.	Chapter 4 Chapter 20 Appendix I

D R A F T

Component	Reference
The infrastructure must be located, designed and managed to avoid or mitigate adverse impact of emissions on sensitive land uses, including potential impacts from electric and magnetic fields (EMF) including: • the potential impacts of EMF on the reception of electronic devices (including on the quality of satellite phones, cellular networks, UHF radio communication and the internet) • potential impacts of EMF in relation to both sensitive receptors and the workforce of the project. The assessment should describe the potential risk of EMF from the proposed transmission line and sub-stations on adult and child health in relation to scientific evidence and the current international best practice standards. Any potential impacts to current land practices should also be detailed (including cropping and livestock) and • suitable measures to avoid or mitigate impacts.	Chapter 21
Natural Hazards, Risk and Resilience	
The risks posed to people and property, from bushfires and flooding, resulting from constructing and operating the infrastructure, must be avoided or mitigated to an acceptable or tolerable level.	Chapter 7 Chapter 20 Chapter 22
The dEAR should demonstrate how the infrastructure will avoid direct, indirect and cumulative increases in the exposure or severity of bushfire and flooding hazards, and the potential for damage within the corridor or to surrounding properties	Chapter 7 Chapter 20 Chapter 22
Energy and Water Supply	
Identify potential impacts from the infrastructure on existing and approved future major water (e.g. Hell's Gate and Mount Fullstop Dams) and electricity infrastructure. Any such impacts must be managed and/or mitigated to ensure that the infrastructure does not compromise the integrity and the efficient delivery and functioning of the water infrastructure.	Chapter 25
The dEAR should demonstrate how: • the functioning of the infrastructure will be protected from encroachment by sensitive land uses over time • any adverse impacts from the construction and operation of the infrastructure on surrounding land uses and the natural environment must be managed/mitigated.	Chapter 13

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Component	Reference
Transport Infrastructure	
Demonstrate by way of a Traffic Impact Assessment, prepared in accordance with the Department of Transport and Main Roads Guide to Traffic Impact Assessment, and a consequent construction traffic management plan, that construction and operation of the infrastructure does not compromise the safety and efficiency of existing and future state transport infrastructure, corridors and networks. The Traffic Impact Assessment is to consider the timing of construction activities, types and volumes of vehicles involved (including construction, operation and workforce traffic), the materials and machinery transported, haulage routes and rail level crossings affected, and if required potential impacts on pavements and structures on haulage routes. For rail level crossings sight distances and queuing standards are to be assessed. Please also note that you are required to notify the relevant state department for the type of infrastructure proposed, being the Department of Natural Resources Mines and Energy, as outlined by chapter 7, part 1, section 2.3 of the MGR.	Chapter 18