

Topic	Relevant ToR section	Summary of submission comments	PB response
social & economic	S. 4.19.2 General Social Impacts	When would the compensation be paid?	Submissions made in this regard have been noted. Powerlink undertakes compensation in accordance with state legislative provisions contained in the <i>Acquisition of Land Act 1967</i> . Consideration of property valuation impacts and compensation issues are already included in the ToR and therefore, will be discussed as part of the Draft EIS. It should be noted that whilst these topics will be generally discussed in the Draft EIS, the compensation process will be undertaken by Powerlink as a separate process outside of the EIS and under the aforementioned legislative framework. Therefore, amendment of the ToR is not considered necessary.
visual amenity	S. 4.19.2 General Social Impacts	With regard to goals of the National Strategy for the Conservation of Australia's Biological Diversity, how will Powerlink work these goals into ensuring the scenic amenity issues are maintained?	Goals of the National Strategy for Conservation of Australia's Biological Diversity relate to conservation of biological diversity. Where the objectives and goals of this document are considered relevant to the Project, these will be considered and discussed. Amendment of the ToR is not considered necessary.
visual amenity	S. 4.19.2 General Social Impacts	With regard to the Noosa Plan part 3 (specifically 3.1.3 j - tourism), how does Powerlink expect visitors to the region to accept rural accommodation when unsightly pylons and powerlines are clearly visible from existing B&B's and wineries?	This information is required to be provided under Section 7.3 of the ToR as follows: 'Include also any potential conflict with Planning Scheme measures including strategic plans, any development control plans and the intent of the zones through which the transmission corridor may pass.'
health	S. 4.20 Electric and Magnetic Fields	The impacts of EMR need to be assessed at the maximum capacity (to be clearly stated) of the proposed transmission lines and any studies on exposure based upon the maximum values. The potential impacts on health may be wide ranging and the studies reviewed or carried out must include, but not be limited to, childhood leukaemia, adult brain cancer, Lou Gehrig's Disease and miscarriage.	Section 4.20.2 requires that the EIS 'assess the potential risk of electric and magnetic fields from the proposed line on adult and child health, including identification of the potential hazards, transient and prolonged exposure, epidemiological studies, etc'. No amendment of the ToR is considered necessary.
health	S. 4.20 Electric and Magnetic Fields	An independent analysis of the potential and perceived health risks must be undertaken including a full analysis of the most recent research in the field of EMR - that is to include but not be limited to the most recent research being conducted by(submitted gives references).	Section 4.20.2 requires that the EIS 'assess the potential risk of electric and magnetic fields from the proposed line on adult and child health, including identification of the potential hazards, transient and prolonged exposure, epidemiological studies, etc'. No amendment of the ToR is considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
health	S. 4.20 Electric and Magnetic Fields	Clearly state the Powerlink policy that forms the basis of determining the safe distance (in metres) between the outside conductor on the transmission line and any proposed or existing built structures.	Submissions in this regard have been noted. Consideration of any potential risk of electric and magnetic fields from the proposed line on adult and child health and fauna is already included in the ToR and will be included in the Draft EIS process and reporting. A discussion of distances between built structures and the transmission line and sub-station will also be included. Therefore, amendment of the ToR is not considered necessary
health	S. 4.20 Electric and Magnetic Fields	Submitter advises and is concerned about an interaction between electromagnetic interference and cardiac pacemakers. What steps will Powerlink take to eliminate the risk for people who have implanted CPM's?	Submissions in this regard have been noted. Consideration of any potential risk of electric and magnetic fields from the proposed line on adult and child health and fauna is already included in the ToR and will be included in the Draft EIS process and reporting. Therefore, amendment of the ToR is not considered necessary
air quality, climate	S. 4.10 Air quality and climate (including sub-sections 4.10.1 to 4.10.3)	There needs to be an analysis and risk assessment based on increased exposure to air pollution via corona ion effects given the prevailing wind patterns and the siting of dwellings.	Submissions in this regard have been noted. The ToR for this project already includes provision for investigation and reporting in the EIS of the likely impacts of the Project on air quality during the construction and operation phases and how this may affect the surrounding environment including, but not necessarily limited to, residences and ecologically sensitive areas. Therefore, amendment of the ToR is not considered necessary.
health	S. 4.20 Electric and Magnetic Fields	Any mitigation measures must clearly be based on prudent avoidance based upon health of the individuals within the vicinity of the proposed transmission line/substation. Any assessment needs to be based purely on health effects and not potential legal liability.	Section 4.20.2 requires that the EIS 'assess the potential risk of electric and magnetic fields from the proposed line on adult and child health, including identification of the potential hazards, transient and prolonged exposure, epidemiological studies, etc'. No amendment of the ToR is considered necessary.
town planning, legislation	S. 5 Town Planning & Legislative Requirements	(para 1, S. 5.2, sentence 2): the sentence needs to be replaced with 'The description of the proposed Study Alignment and the substation site should be sufficient to identify the land involved, and the description of the infrastructure should be as specific as possible and should include the physical details of all individual structures, the extent of cut and fill, extent of clearing, and should include all expected following infrastructure that will emanate from the substation in the short, medium and long term.	The technical details of the proposed Project will be detailed in accordance with Sections 3.1, 3.2 and 3.3 of the ToR and can be referred to for the purposes of assessment of the proposed Project against relevant Commonwealth, State and local legislative and planning provisions. Amendment of the ToR is not considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
town planning, legislation	S. 5.2 Description of Each Relevant Planning Scheme	This section (S. 5.2) must cover the 'Compliance with Local Authority Planning Schemes' and as such this should be reflected in the title of this section'	Local government planning and land use requirements of the relevant Council areas including local ordinances and by-laws such as local vegetation laws will be considered and discussed (refer Section 7.2 of the ToR). Additionally, an assessment of any potential conflict with relevant Planning Scheme measures including strategic plans, any development control plans and the intent of the zones through which the transmission corridor may pass will be included. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.2 Description of Each Relevant Planning Scheme	Change the first paragraph of S. 5.2 as follows: 'Identify any aspect where the proposal is in conflict with the relevant local authority planning scheme and associated policies and strategies. Where there are issues of conflict or impacts undertake the appropriate background studies and consultation to identify the extent of those impacts.'	Local government planning and land use requirements of the relevant Council areas including local ordinances and by-laws such as local vegetation laws will be considered and discussed (refer Section 7.2 of the ToR). Additionally, an assessment of any potential conflict with relevant Planning Scheme measures including strategic plans, any development control plans and the intent of the zones through which the transmission corridor may pass will be included. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.3 Description of each State Planning Policy	This section (S. 5.3) must cover the 'Compliance with each State Planning Policy' and as such this should be reflected in the title of this section	Section 5.3 of the ToR requires provision of a description of any special attributes affecting the Study Alignment and substation site that are identified in a State planning policy and the EIS is to include a statement about the consistency with any relevant State planning policy. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.3 Description of each State Planning Policy	Change this paragraph as follows: 'Identify any aspect where the proposal is in conflict with the relevant State Planning Policy. Where there are issues of conflict or impacts undertake the appropriate background studies and consultation to identify the extent of those impacts.'	Section 5.3 of the ToR requires provision of a description of any special attributes affecting the Study Alignment and substation site that are identified in a State planning policy and the EIS is to include a statement about the consistency with any relevant State planning policy. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.3 Description of each State Planning Policy	A conclusion is required at the end of each State Planning Policy (SPP) stating how the Study alignment and substation site complies with the intent of the SPP. Amend second paragraph as follows: after 'complies', add 'or conflicts'.	Section 5.3 of the ToR requires provision of a description of any special attributes affecting the Study Alignment and substation site that are identified in a State Planning Policy (SPP) and the EIS is to include a statement about the consistency with any relevant SPP. Amendment of the ToR is not considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
town planning, legislation	S. 5.4 Effect on Regional Plan, if any	This section (S. 5.4) must cover the implications of the South-East Queensland Regional Plan (SEQRP) and as such this should be reflected in the title of this section.	Section 5.4 of the ToR requires provision of a description of any special attributes affecting the Study Alignment and substation site that are identified in the South East Queensland Regional Plan (SEQRP) and the EIS is to include a statement about the consistency of the proposed Project with the SEQRP. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.4 Effect on Regional Plan, if any	Change first paragraph as follows: 'Identify any aspect where the proposal is in conflict with the SEQRP and associated implementation policies.'	Section 5.4 of the ToR requires provision of a description of any special attributes affecting the Study Alignment and substation site that are identified in the South East Queensland Regional Plan (SEQRP) and the EIS is to include a statement about the consistency of the proposed Project with the SEQRP. Amendment of the ToR is not considered necessary.
town planning, legislation	S. 5.4 Effect on Regional Plan, if any	Amend South East Queensland Regional Development Plan to read South East Queensland Regional Plan.	The title of South East Queensland Regional Plan given in the ToR is incorrect. An amendment to the ToR has been made to clarify this matter.
visual amenity	S. 5.4 Effect on Regional Plan, if any	The project needs to consider visual amenity as per Section 2.1.6 of the SEQ RP Rural Precinct Planning, the Dept. Infrastructure and Planning Scenic Amenity Guidelines and the OUM's Implementation Guideline No. 8.	Consideration of the proposed Project's effect on the South East Queensland Regional Plan will be discussed in accordance with Section 5.4 of the ToR. Amendment to the ToR is not considered necessary.
town planning, legislation	S. 5.4 Effect on Regional Plan, if any	SEQRP is due for revision by 2010. Infrastructure planning needs to be consistent with this revised plan.	Infrastructure decisions and assessment are based on current government policy and legislation. Prediction of future direction of government policy cannot be assumed and therefore not considered relevant to the current ToR and proposed Project. No amendment to the ToR is considered necessary.
lifestyle values	S. 5.5 Each Existing Land Use	The submitter requests that all existing and potential recreational use of areas by landowners, residents and their families (e.g. swimming in creeks and dams) be included in the ToR.	Section 5.5 of the ToR has been amended to include scope to assess recreational land uses.
tourism	S. 5.6 Socio-economic Characteristics	The submitter states that the proposed Project will have serious impacts on the regions liveability, especially for properties that derive their livelihood from tourism based and farming activities. How will Powerlink eliminate these adverse impacts?	Submissions made in this regard have been noted. Consideration of the potential impact of the Project on local business, industry and tourism is already included in the ToR and will be investigated and reported as part of the Draft EIS. Therefore, amendment of the ToR is not considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
wording of ToR	S. 5.7 Description of nature, scale and intensity	This sentence does not make sense. Expand and explain what the intention of this sentence is.	An amendment to this sentence in the ToR has been made to clarify the intent.
land degradation	S. 6 EMP	Suggest provision of bond to ensure compliance with EMP and easement agreements.	Thank you for your submission in relation to this matter. However, the issue is not considered to directly relate to the ToR or the environmental impact assessment process. Therefore, this issue has been forwarded to Powerlink for consideration and response in due course.
global warming, greenhouse	S. 6 EMP	Add bullet point to criteria to assess the impact and mitigation of climate change.	Should the EIS identify greenhouse gas emission mitigation measures are required, this would be addressed under the air quality criteria in the Environmental Management Plan (Section 6). Amendment to the ToR is not considered necessary.
monitoring	S. 6 EMP	Please add the following to EMP; a) public reporting against KPI's, b) action required if KPI are not met, c) the frequency and duration of monitoring activities	Section 6 of the ToR provides for an Environmental Management Plan (EMP) to be prepared which is to cover the life-cycle of the proposed transmission line and substation. A list of matters to be addressed include; key performance objectives, performance indicators and management strategies are specifically referred to. Monitoring requirements has been added to this list.
town planning, legislation	S. 7.2 State Legislation and permit requirements	The draft TOR does not state under which legislation this EIS is being undertaken.	Section 7.3 of the ToR indicates that the EIS will be used by Powerlink to support an application for Community Infrastructure Ministerial Designation under the <i>Integrated Planning Act 1997</i> . Further, as noted in the Preface of the ToR, upon finalisation of the EIS and Powerlink's approval of the Final Alignment and substation site, Powerlink will follow the Department of Local Government, Planning, Sport and Recreation "Guidelines about Environmental Assessment and Public Consultation Procedures for Designating Land for Community Infrastructure, Powerlink Manual". Amendment of the ToR is not considered necessary.
global warming, greenhouse	S. 8 Environmental Cost-Benefit Summary	This section needs to quantify the costs and benefits of greenhouse gas emissions associated with the consumption and additional electricity facilitated by the new transmission lines and how they will reduce the greenhouse gas emissions through the life of the infrastructure.	Submissions made in this regard are noted. To the extent that greenhouse and climate change policies impact on the Project need, this issue will be considered in the EIS process and reported in the Draft EIS. Therefore, amendment of the ToR is not considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
<p>property devaluation, compensation</p>	<p>S. 8 Environmental Cost-Benefit Summary</p>	<p>This section (S. 8) needs to provide an independent assessment of the devaluation of properties directly and indirectly affected properties.</p>	<p>Section 3.7 of the ToR includes scope to investigate likely impacts of the proposed Project on the land crossed by the Study Alignment and substation site on land use status, property values and ownership as well as assessment of the need for any easement acquisition, compensation for loss of land and production and increased operational costs caused by land severance. Compensation will be undertaken in accordance with legislative provisions contained in the <i>Acquisition of Land Act 1967</i> and will be a separate process from the EIS process. Amendment of the ToR is not considered necessary to address this issue.</p>
<p>land improvement projects</p>	<p>S. 4.13 Nature Conservation (including sub-section 4.13.1)</p>	<p>The submitter advises that land improvement projects funded by government have been undertaken by landholders and community groups within the proposed study corridor. These areas will be directly affected by the powerline alignment.</p>	<p>Submissions made in this regard have been noted. As part of assessment of vegetation, flora, fauna, wildlife corridors and biodiversity in general throughout the study area, existing revegetation and rehabilitation areas will be addressed in the EIS process and reported in the Draft EIS. Therefore, amendment of the ToR is not considered necessary.</p>
<p>biodiversity, ecology</p>	<p>S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)</p>	<p>What steps will Powerlink take to minimise impacts on migratory species and ecosystems?</p>	<p>Section 4.13 includes scope to assess nature conservation values (biological diversity, habitats for rare, migratory and threatened species etc) and impacts to same resulting from project. Additionally, Section 4.14.3 includes scope to assess 'The barrier, fragmentation and edge effects of the Study Alignment and substation site'. Presence of migratory species within the Study Alignment and potential impacts to same resulting from the Project will be assessed in accordance with Sections 4.16.1 and 4.16.2 of the ToR respectively. Amendment of the ToR is not considered necessary.</p>
<p>land improvement projects</p>	<p>S. 4.13 Nature Conservation (including sub-section 4.13.1)</p>	<p>The submitter advises that large scale and costly land rehabilitation programmes have been undertaken along the study alignment. How will these areas be protected from direct impact through construction and operation? How will they be protected from weed and pest incursion? How will the water flow regime and stormwater conveyance be maintained so as not to adversely impact on these riparian areas?</p>	<p>Submissions made in this regard have been noted. As part of assessment of vegetation, flora, fauna, wildlife corridors and biodiversity in general throughout the study area, existing revegetation and rehabilitation areas will be addressed in the EIS process and reported in the Draft EIS. Additionally, the ToR for this Project already includes provision for investigation and reporting in the Draft EIS of potential impacts of the Project on hydrological values such as groundwater and surface water quality and flow, water contamination risk, flooding potential, surge potential, alterations to drainage patterns and crossing of waterways. Therefore, amendment of the ToR is not considered necessary.</p>

Topic	Relevant ToR section	Summary of submission comments	PB response
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	Assessment of potential impacts should consider the construction and operational phase of the Powerlink development.	An assessment of the potential impacts of the project should address all phases of the project. Amendments to the ToR have been made to clarify this matter.
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter provides an outline of the minimum subjects which should be included in any ecological reporting.	Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards. Reporting (EIS and supporting technical studies as appendices to the EIS), will meet the ToR requirements. Amendment of the ToR is not considered necessary.
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter provides recommendations on how to undertake flora and fauna studies including objectives, guidelines to be utilised, reference documents to be utilised, permits and qualifications of the consultant, level of reporting detail required, survey period, community consultation, past records and database searches and description of site characteristics	Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards by specialists. Reporting (EIS and supporting technical studies as appendices to the EIS), will meet the ToR requirements. Details of permits and the study team will be included in the EIS. Survey methodology, duration, location etc will be reported in EIS and supporting technical studies (as appendices). Amendment of the ToR is not considered necessary.
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter advises that data sources for background information for flora and fauna studies should include members of the local community in land management roles and property owners.	It is acknowledged that local community members and property owners often have broad ranged, first hand knowledge of the local environment and can be an excellent source of information for assessing ecological values and characteristics. An amendment to Section 4.1.61. of the ToR has been made to clarify this matter.
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter provides advice regarding the importance of sourcing and referring to past records and database searches.	Data sources utilised for studies will include (but not be limited to) relevant public access databases, available scientific data, reference to scientific journals, papers etc, results of field surveys and consultation with stakeholders, community groups and property owners. An amendment to Section 4.16.1 of the ToR has been made to clarify this matter.
biodiversity, ecology	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3), S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter provides advice on how to accurately and clearly record and describe site characteristics	Flora and fauna surveys (comprising field surveys and desk-top assessments) will be conducted in accordance with current ecological best practice and professional standards by specialists. Reporting (EIS and supporting technical studies as appendices to the EIS), will meet the ToR requirements. Amendment of the ToR is not considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
vegetation, flora	S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3)	The submitter provides advice on the aims, methods and outputs of a flora assessment including need for seasonal variation in field surveying.	Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards. The method, duration, timing, location etc of field surveying will be dependent (to an extent) on the results of the desk top assessment (i.e. result of indicative mapping and resident species). The survey method, timing, duration will be determined by specialist ecologists and will be reported in the EIS as per Section 4.14.1. Where practical, targeted studies will be undertaken for the detection of rare and threatened species, potentially occurring in the study area as per Section 4.13.1. No amendment to the ToR is considered necessary.
vegetation, flora	S. 4.13 Nature Conservation, S. 4.14 Flora (including sub-sections 4.14.1 to 4.14.3)	The submitter provides advice on the aims, methods and outputs of a vegetation community assessment including confirmation of presence/absence of regional ecosystems and mapping of REs and regrowth vegetation.	Flora, fauna and vegetation surveys will be conducted in accordance with current ecological best practice and professional standards. The method, duration, timing, location etc of field surveying will be dependent (to an extent) on the results of the desk top assessment (i.e. result of indicative mapping and resident species). The survey method, timing, duration will be determined by specialist ecologists and will be reported in the EIS as per Section 4.14.1. Where practical, targeted studies will be undertaken for the detection of rare and threatened species, potentially occurring in the study area as per Section 4.13.1. No amendment to the ToR is considered necessary.
wildlife, fauna	S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter provides advice on the aims, methods and outputs of a fauna assessment including need for seasonal variation in field surveying.	This submission has been noted. Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards. The method, duration, timing, location etc of field surveying will be dependent (to an extent) on the results of the desk top assessment (i.e. result of indicative mapping and resident species). The survey method, timing, duration will be determined by specialist ecologists and will be reported in the EIS as per Section 4.14.1. Where practical, targeted studies will be undertaken for the detection of rare and threatened species, potentially occurring in the study area as per Section 4.13.1. No amendment to the ToR is considered necessary.

Topic	Relevant ToR section	Summary of submission comments	PB response
wildlife, fauna	S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter advises that survey works should be supplemented by undertaking searches of available literature and fauna databases.	The ecological assessment will include both desk-top and field survey components. As per Section 4.16.1, data sources utilised for studies should include (but not be limited to) relevant public access databases, available scientific data, reference to scientific journals, papers etc, results of field surveys and consultation with stakeholders, community groups and property owners. No amendment to the ToR is considered necessary.
wildlife, fauna	S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter advises that specific methods may be required to target particular fauna species.	Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards. The survey method, timing, duration will be determined by specialist ecologists and will be reported in the EIS as per Section 4.14.1. Where practical, targeted studies will be undertaken for the detection of rare and threatened species, potentially occurring in the study area as per Section 4.13.1. No amendment to the ToR is considered necessary.
wildlife, fauna	S. 4.16 Fauna (including sub-sections 4.16.1 to 4.16.3)	The submitter advises that methods and survey effort utilised in fauna assessment, map of survey locations and list of fauna identified or likely to inhabit study area be incorporated in reporting.	This submission has been noted. Flora and fauna surveys will be conducted in accordance with current ecological best practice and professional standards. The method, duration, timing, location etc of field surveying will be dependent (to an extent) on the results of the desktop assessment (i.e. result of indicative mapping and resident species). The survey method, timing, duration will be determined by specialist ecologists and will be reported in the EIS as per Section 4.14.1. Where practical, targeted studies will be undertaken for the detection of rare and threatened species, potentially occurring in the study area as per Section 4.13.1. No amendment to the ToR is considered necessary.