

APPENDIX K: NEED AND DESIRABILITY

The following table describes the need and desirability for the proposed development in terms of this Department's guideline on Need and Desirability (March 2013)/DEA Integrated Environmental Management Guidelines.

Guideline	EAP Response
<p>1. How will this development (and its separate elements/aspects) impact on the ecological integrity of the area?</p>	<p>Construction work will take place in close proximity to the Plankenberg river and associated wetland features.</p> <p>The Aquatic Biodiversity Assessment (Appendix G1) states that the river and its wetlands have been heavily modified from the natural state but still do provide important habitat and ecosystem services in the agricultural and urbanised landscape surrounding them. To minimise the negative impacts associated with the proposed development the following mitigation measures are recommended:</p> <ol style="list-style-type: none"> 1. All wetlands and riparian areas that are close to the construction sites must be clearly marked prior to construction commencing. 2. Where possible, and where construction will not impact directly on the river or wetlands, construction activities should not come closer than 17m to the edge of the riparian zone of the Plankenbrug River or closer than 15m to any of the wetlands. 3. Work in the vicinity of the river and wetlands should preferably take place during the dry season. If this cannot be achieved, then runoff from the construction area should be directed away from the river and wetlands, first into settlement ponds and then the river. 4. Disruption of flow should be kept to a minimum during construction, but where necessary, temporary diversion measures should allow flushing of the streams to prevent build-up of material. All diversion measures must be removed from the river and wetlands after construction is complete.
<ul style="list-style-type: none"> • How were the following ecological integrity considerations taken into account? <ul style="list-style-type: none"> ○ Threatened Ecosystems, 	<p>No threatened ecosystems will be impacted by the proposed road expansion.</p>

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<ul style="list-style-type: none"> o Sensitive, vulnerable, highly dynamic or stressed ecosystems, such as coastal shores, estuaries, wetlands, and similar systems require specific attention in management and planning procedures, especially where they are subject to significant human resource usage and development pressure, 	<p>Construction work will take place in close proximity to the Plankenberg river and associated wetland features. However, a freshwater specialist was appointed to assess the potential impacts on the Plankenberg river and associated wetlands. See Item 1 above.</p>
<ul style="list-style-type: none"> o Critical Biodiversity Areas ("CBAs") and Ecological Support Areas ("ESAs"), o Conservation targets, o Ecological drivers of the ecosystem, 	<p>According to the Western Cape Biodiversity Spatial Plan (2017), the Plankenberg River corridor is categorised as an Ecological Support Areas 2 (ESA2).</p> <p>ESA2 Definition: Areas that are not essential for meeting biodiversity targets, but that play an important role in supporting the functioning of PAs or CBAs and are often vital for delivering ecosystem services.</p> <p>ESA2 Objective: Restore and/or manage to minimise impact on ecological processes and ecological infrastructure functioning, especially soil and water-related services, and to allow for faunal movement.</p> <p>See Item 1 above for the mitigation measures.</p>
<ul style="list-style-type: none"> o Environmental Management Framework 	<p>The SEMF has a pivotal role in giving effect to the Stellenbosch Environmental Vision by means of contextualizing international and national environmental imperatives applicable to Stellenbosch Municipality and bringing them to fruition within the realities and sitespecific characteristics of Stellenbosch Municipality.</p> <p>The SEMF is a critical instrument in guiding the use of the resources of the Municipality in a manner that will ensure sustainable outcomes based on municipal development needs and priorities.</p> <p>The SEMF is premised upon and gives effect to the following normative principles for spatial development stipulated by the National Development Plan:</p> <p><u>Spatial justice</u></p>

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	<p>The historic policy of confining particular groups to limited space, as in ghettoisation and segregation, and the unfair allocation of public resources between areas, must be reversed to ensure that the needs of the poor are addressed first rather than last.</p> <p><u>Spatial sustainability</u></p> <p>Sustainable patterns of consumption and production should be supported, and ways of living promoted that do not damage the natural environment</p> <p><u>Spatial resilience</u></p> <p>Vulnerability to environmental degradation, resource scarcity and climatic shocks must be reduced. Ecological systems should be protected and replenished.</p> <p><u>Spatial quality</u></p> <p>The aesthetic and functional features of housing and the built environment need to be improved to create liveable, vibrant and valued places that allow for access and inclusion of people with disabilities.</p> <p><u>Spatial efficiency</u></p> <p>Productive activity and jobs should be supported, and burdens on business minimised. Efficient commuting patterns and circulation of goods and services should be encouraged, with regulatory procedures that do not impose unnecessary costs on development.</p> <p>The proposed road expansion will not deviate from any of the above principles and will be in line with the Stellenbosch Environmental Management Framework.</p>
<ul style="list-style-type: none"> o Spatial Development Framework, and 	<p>The Stellenbosch SDF (MSDF) is public policy statement that seek to influence the overall spatial distribution of current and future land use within a municipality or other described region to give effect to the vision, goals and</p>

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	<p>objectives of the municipal IDP or related business plans of government. The MSDF covers the jurisdictional area of the municipality.</p> <p>The Swellendam SDF identified key themes in the built environment context. The movement and access theme includes the following attributes that relate to the development proposal:</p> <ul style="list-style-type: none"> • The Road Master Plan (RMP) found that the present road network 3 particularly provincial roads 3 fails to cope with the longer-term growth needs of the Stellenbosch area and some roads, particularly in the historic town area, may in future operate at capacity during peak periods (unless modal shift changes). • The RMP found that the following road sections function beyond capacity: The R304 before its intersection with the R44; The R44 (south) between Paradyskloof and the Van Reede intersection; Bird Street between the R44 and Du Toit Street; Merriman and Cluver Streets between Bird Street and Helshoogte Road; Dorp Street between the R44 and Piet Retief Street; Adam Tas Road between its junction with the R44 and Merriman Street. Piet Retief Street; Van Reede and Vrede Streets between the R44 and Piet Retief Street. <p>The above attributes indicate that there is a clear need for the proposed road upgrade.</p>
<ul style="list-style-type: none"> o Global and international responsibilities relating to the environment (e.g. RAMSAR sites, Climate Change, etc.). 	<p>The potential impacts associated with the proposal are limited and not expected to extend beyond the site.</p> <p>There are no RAMSAR sites present on site.</p> <p>The proposal is not expected to have an impact on Climate Change.</p>
<ul style="list-style-type: none"> • How will this development disturb or enhance ecosystems and/or result in the loss or protection of biological diversity? What measures were explored to firstly avoid these negative impacts, and where these negative impacts 	<p>The proposed road expansion will not result in the loss or protection of biological diversity.</p>

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could not be avoided altogether, what measures were explored to minimise and remedy (including offsetting) the impacts? What measures were explored to enhance positive impacts?	
<ul style="list-style-type: none"> How will this development pollute and/or degrade the biophysical environment? What measures were explored to firstly avoid these impacts, and where impacts could not be avoided altogether, what measures were explored to minimise and remedy (including offsetting) the impacts? What measures were explored to enhance positive impacts? 	<p>Pollution and degradation of the biophysical environment will be avoided as far as possible, however, where impacts cannot be avoided, measures to reduce negative impacts to an acceptable level have been provided.</p> <p>Refer to the EMPr of the draft BAR (Appendix H) which provides management measures to mitigate all potential impacts associated with the proposed development.</p>
<ul style="list-style-type: none"> What waste will be generated by this development? What measures were explored to firstly avoid waste, and where waste could not be avoided altogether, what measures were explored to minimise, reuse and/or recycle the waste? What measures have been explored to safely treat and/or dispose of unavoidable waste? 	<p>The proposed expansion activities will generate construction waste during the construction phase. The EMPr includes measures to minimise, reuse and recycle waste during the construction phase (Appendix H of the draft BAR).</p>
<ul style="list-style-type: none"> How will this development disturb or enhance landscapes and/or sites that constitute the nation's cultural heritage? What measures were explored to firstly avoid these impacts, and where impacts could not be avoided altogether, what measures were explored to minimise and remedy (including offsetting) the impacts? What measures were explored to enhance positive impacts? 	<p>The proposal will not disturb any landscapes that constitutes national cultural heritage.</p>
<ul style="list-style-type: none"> How will this development use and/or impact on non-renewable natural resources? What measures were explored to ensure responsible and equitable use of the resources? How have the consequences of the depletion of the non-renewable natural resources been considered? What measures were explored to firstly avoid these impacts, and where impacts could not be avoided altogether, what measures were explored to minimise and remedy (including offsetting) the impacts? What measures were explored to enhance positive impacts? 	<p>The proposal will not have any impact on non-renewable natural resources.</p>

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<ul style="list-style-type: none"> • How will this development use and/or impact on renewable natural resources and the ecosystem of which they are part? Will the use of the resources and/or impact on the ecosystem jeopardise the integrity of the resource and/or system taking into account carrying capacity restrictions, limits of acceptable change, and thresholds? What measures were explored to firstly avoid the use of resources, or if avoidance is not possible, to minimise the use of resources? What measures were taken to ensure responsible and equitable use of the resources? What measures were explored to enhance positive impacts? 	<p>The proposal is not expected to impact any renewable natural resources.</p> <p>Measures to avoid, mitigate and manage impacts will be included in the EMP (Appendix H of the draft BAR).</p>
<ul style="list-style-type: none"> ○ Does the proposed development exacerbate the increased dependency on increased use of resources to maintain economic growth or does it reduce resource dependency (i.e. de-materialised growth)? (note sustainability requires that settlements reduce their ecological footprint by using less material and energy demands and reduce the amount of waste they generate, without compromising their quest to improve their quality of life) ○ Does the proposed use of natural resources constitute the best use thereof? Is the use justifiable when considering intra- and intergenerational equity, and are there more important priorities for which the resources should be used (i.e. what are the opportunity costs of using these resources this the proposed development alternative?) ○ Do the proposed location, type and scale of development promote a reduced dependency on resources? 	<p>The proposal is for a road expansion and will make use of resources such as various building materials and therefore will contribute to economic growth in the supply chain in sourcing the resources.</p> <p>The road expansion is justified as there is a need to increase the carrying capacity of the road.</p> <p>The proposed location does not necessarily promote a reduced dependency on resources as there will be a need for resource allocation for construction purposes but this will be temporarily and should be beneficial for economic growth in the area.</p>

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<ul style="list-style-type: none"> • How were a risk-averse and cautious approach applied in terms of ecological impacts? <ul style="list-style-type: none"> ○ What are the limits of current knowledge (note: the gaps, uncertainties and assumptions must be clearly stated)? ○ What is the level of risk associated with the limits of current knowledge? ○ Based on the limits of knowledge and the level of risk, how and to what extent was a risk-averse and cautious approach applied to the development? 	<p>The proposal was assessed according to the criteria drawn up from the EIA Regulations published by the Department of Environmental Affairs and Tourism (April 1998) in terms of the Environmental Conservation Act, 1989 (Act No. 73 of 1989).</p> <p>Refer to Section J, Question 2.4 of the draft BAR for the gaps, uncertainties and assumptions on the proposed development. The proposal has been assessed and all potential impacts and risks have been provided in Section H of the draft BAR.</p>
<ul style="list-style-type: none"> • How will the ecological impacts resulting from this development impact on people's environmental right in terms following: <ul style="list-style-type: none"> ○ Negative impacts: e.g. access to resources, opportunity costs, loss of amenity (e.g. open space), air and water quality impacts, nuisance (noise, odour, etc.), health impacts, visual impacts, etc. What measures were taken to firstly avoid negative impacts, but if avoidance is not possible, to minimise, manage and remedy negative impacts? ○ Positive impacts: e.g. improved access to resources, improved amenity, improved air or water quality, etc. What measures were taken to enhance positive impacts? ○ Describe the linkages and dependencies between human wellbeing, livelihoods and ecosystem services applicable to the area in question and how the development's ecological impacts will result in socio-economic impacts (e.g. on livelihoods, loss of heritage site, opportunity costs, etc.)? • Based on all of the above, how will this development positively or negatively impact on the ecological integrity objectives/targets/considerations of the area? • Considering the need to secure ecological integrity and a healthy biophysical environment, describe how the alternatives identified (in terms 	<p>The proposed development is not expected to have negative impacts on peoples' environmental rights. Measures to avoid, mitigate and manage negative impacts and promote positive impacts have been included in the EMPr (Appendix H of the draft BAR).</p> <p>The overall positive impacts associated with the proposal exceed the negative impacts.</p> <p>One of the principles of the EMPr (Appendix H of the draft BAR) is that negative impacts on the environment and on people's environmental rights be anticipated and prevented, and where the impacts cannot be avoided or prevented, the impacts are minimised and remedied.</p> <p>The EMPr (Appendix H of the draft BAR) also encourages and promotes community well-being and empowerment through environmental training of workers during the construction phase.</p>

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<p>of all the different elements of the development and all the different impacts being proposed), resulted in the selection of the "best practicable environmental option" in terms of ecological considerations?</p>	
<ul style="list-style-type: none"> • Describe the positive and negative cumulative ecological/biophysical impacts bearing in mind the size, scale, scope and nature of the project in relation to its location and existing and other planned developments in the area? 	<p>No cumulative impacts have been identified by the freshwater specialist.</p>
<p>2. "promoting justifiable economic and social development"</p> <ul style="list-style-type: none"> • What is the socio-economic context of the area, based on, amongst other considerations, the following considerations? <ul style="list-style-type: none"> ○ The IDP (and its sector plans' vision, objectives, strategies, indicators and targets) and any other strategic plans, frameworks of policies applicable to the area ○ Spatial priorities and desired spatial patterns (e.g. need for integrated of segregated communities, need to upgrade informal settlements, need for densification, etc.) ○ Spatial characteristics (e.g. existing land uses, planned land uses, cultural landscapes, etc.), and ○ Municipal Economic Development Strategy ("LED Strategy") 	<p>The proposal is aligned with all the relevant policies and guidelines.</p>
<ul style="list-style-type: none"> • Considering the socio-economic context, what will the socio-economic impacts be of the development (and its separate elements/aspects), and specifically also on the socio-economic objectives of the area? <ul style="list-style-type: none"> ○ Will the development complement the local socio-economic initiatives (such as local economic development (LED) initiatives), or skills development programs? 	<p>The benefits to society in general and to the local communities will include:</p> <ul style="list-style-type: none"> • Short term employment and business opportunities during the construction phase.

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<ul style="list-style-type: none"> • How will this development address the specific physical, psychological, developmental, cultural and social needs and interests of the relevant communities? 	<p>The proposal will provide new employment and business opportunities to the local community.</p>
<ul style="list-style-type: none"> • Will the development result in equitable (intra- and inter-generational) impact distribution, in the short- and long-term? Will the impact be socially and economically sustainable in the short- and long-term? 	<p>The impacts associated with the road expansion will result in low environmental impacts with the potential positive impacts associated with employment opportunities therefore, the impacts will be socially and economically sustainable.</p>
<ul style="list-style-type: none"> • In terms of location, describe how the placement of the proposed development will: <ul style="list-style-type: none"> ○ result in the creation of residential and employment opportunities in close proximity to or integrated with each other, ○ reduce the need for transport of people and goods, ○ result in access to public transport or enable non-motorised and pedestrian transport (e.g. will the development result in densification and the achievement of thresholds in terms public transport) ○ compliment other uses in the area ○ be in line with the planning for the area, ○ for urban related development, make use of underutilised land available with the urban edge ○ optimise the use of existing resources and infrastructure ○ opportunity costs in terms of bulk infrastructure expansions in non-priority areas (e.g. not aligned with the bulk infrastructure planning for the settlement that reflects the spatial reconstruction priorities of the settlement) ○ discourage "urban sprawl" and contribute to compaction/densification, 	<p>The road expansion will create employment opportunities during the construction phase and further will reduce traffic on the Koelenhof Road through the expansion initiative. The expansion will take place in the road reserve and therefore will be in line with the planning of the area.</p>

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<ul style="list-style-type: none"> ○ contribute to the correction of the historically distorted spatial patterns of settlements and to the optimum use of existing infrastructure in excess of current needs ○ encourage environmentally sustainable land development practices and processes ○ take into account special locational factors that might favour the specific location (e.g. the location of a strategic mineral resource, access to the port, access to rail, etc.), ○ the investment in the settlement or area in question will generate the highest socio-economic returns (i.e. an area with high economic potential), ○ impact on the sense of history, sense of place and heritage of the area and the socio-cultural and cultural-historic characteristics and sensitivities of the area, and ○ in terms of the nature, scale and location of the development promote or act as a catalyst to create a more integrated settlement? 	
<ul style="list-style-type: none"> • How were a risk-averse and cautious approach applied in terms of socio-economic impacts? <ul style="list-style-type: none"> ○ What are the limits of current knowledge (note: the gaps, uncertainties and assumptions must be clearly stated)? ○ What is the level of risk (note: related to inequality, social fabric, livelihoods, vulnerable communities, critical resources, economic vulnerability and sustainability) associated with the limits of current knowledge? ○ Based on the limits of knowledge and the level of risk, how and to what extent was a risk-averse and cautious approach applied to the development? 	<p>The proposal was assessed according to the criteria drawn up from the EIA Regulations published by the Department of Environmental Affairs and Tourism (April 1998) in terms of the Environmental Conservation Act, 1989 (Act No. 73 of 1989).</p> <p>Refer to Section J, Question 2.4 of the draft BAR for the gaps, uncertainties and assumptions on the proposed development. The proposal has been assessed and all potential impacts and risks have been provided in Section H of the Draft BAR.</p>

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<ul style="list-style-type: none"> • How will the socio-economic impacts resulting from this development impact on people's environmental right in terms following: <ul style="list-style-type: none"> ○ Negative impacts: e.g. health (e.g. HIV-Aids), safety, social ills, etc. What measures were taken to firstly avoid negative impacts, but if avoidance is not possible, to minimise, manage and remedy negative impacts? ○ Positive impacts. What measures were taken to enhance positive impacts? 	<p>The proposed development is not expected to impact on people's environmental right. Measures will be provided in the EMPr (Appendix H) to avoid any impacts on people's environmental right during the construction phase.</p> <p>I&APs will be provided with opportunities to comment on the proposed development during this BA process, thereby ensuring that all people's needs, rights and concerns will be addressed through this process.</p>
<ul style="list-style-type: none"> • Considering the linkages and dependencies between human wellbeing, livelihoods and ecosystem services, describe the linkages and dependencies applicable to the area in question and how the development's socio-economic impacts will result in ecological impacts (e.g. over utilisation of natural resources, etc.)? 	<p>No natural resources will be over-utilised. All potential environmental impact and risks associated with the proposed development were assessed as part of this BA process. Refer to the impact assessment tables included under Section H of the Draft BAR.</p>
<ul style="list-style-type: none"> • What measures were taken to pursue the selection of the "best practicable environmental option" in terms of socio-economic considerations? 	<p>The proposal is not expected to have any environmental impacts that will result in fatal flaws on socio-economic impacts provided that all the mitigation and management measures to be provided in the EMPr are implemented.</p>
<ul style="list-style-type: none"> • What measures were taken to pursue environmental justice so that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons (who are the beneficiaries and is the development located appropriately)? <p>Considering the need for social equity and justice, do the alternatives identified, allow the "best practicable environmental option" to be selected, or is there a need for other alternatives to be considered?</p> <ul style="list-style-type: none"> • What measures were taken to pursue equitable access to environmental resources, benefits and services to meet basic human needs and ensure human wellbeing, and what special measures were taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination? 	<p>The applicant will be encouraged to employing local community members during the construction phase to maximize employment opportunities.</p>

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<ul style="list-style-type: none"> • What measures were taken to ensure that the responsibility for the environmental health and safety consequences of the development has been addressed throughout the development's life cycle? 	<p>The basic assessment was undertaken by an independent EAP and the relevant legislation was considered.</p> <p>Under South African environmental legislation, the Applicant is held accountable for the potential impacts of the activities that are undertaken once the EA is granted. The Applicant is responsible for managing these impacts throughout the development phases. And therefore, the Applicant has overall and total environmental responsibility to ensure that the approved EA and EMPr is adhered to, implemented and managed. The Applicant is also responsible for ensuring compliance with all other environmental and water related legislation.</p>
<ul style="list-style-type: none"> • What measures were taken to: <ul style="list-style-type: none"> ○ ensure the participation of all interested and affected parties, ○ provide all people with an opportunity to develop the understanding, skills and capacity necessary for achieving equitable and effective participation, ○ ensure participation by vulnerable and disadvantaged persons ○ promote community wellbeing and empowerment through environmental education, the raising of environmental awareness, the sharing of knowledge and experience and other appropriate means, ○ ensure openness and transparency, and access to information in terms of the process, ○ ensure that the interests, needs and values of all interested and affected parties were taken into account, and that adequate recognition were given to all forms of knowledge, including traditional and ordinary knowledge, and 	<p>One round of public participation will be undertaken as part of this BA process. The PPP will be undertaken in terms of the NEMA EIA Regulations, 2014 (as amended) and DEA&DP's Circular EADP 0028/2014 (dated 9 December 2014) on the "One Environmental Management System". Refer to Section F of the BAR for a detailed description of the PPP to be undertaken.</p> <p>Various methods will be used to notify potential I&APs of the proposed development and inform them of the opportunity to partake in the PPP. These methods include advertisements in a newspaper, site notices, written notification letters to the adjacent landowners, the owner and/or person in control of the site, and to the landowners and/or occupiers of the properties adjacent to the site.</p>

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<ul style="list-style-type: none"> o ensure that the vital role of women and youth in environmental management and development were recognised and their full participation therein were be promoted? 	
<ul style="list-style-type: none"> • Considering the interests, needs and values of all the interested and affected parties, describe how the development will allow for opportunities for all the segments of the community (e.g. a mixture of low-, middle-, and high-income housing opportunities) that is consistent with the priority needs of the local area (or that is proportional to the needs of an area)? 	<p>The construction activities will create temporary employment opportunities as well as benefit the local community through the sourcing of materials for the construction process.</p>
<ul style="list-style-type: none"> • What measures have been taken to ensure that current and/or future workers will be informed of work that potentially might be harmful to human health or the environment or of dangers associated with the work, and what measures have been taken to ensure that the right of workers to refuse such work will be respected and protected? 	<p>Health and safety concerns will be addressed in the EMPr (Appendix H). The Contractor shall at all times observe the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and ensure adequate safety precautions on the site throughout the development phase. An Environmental Control Officer (ECO) must be appointed to monitor compliance with the EMPr during the construction phase. This will be a condition of the Environmental Authorisation</p>

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	however; the Applicant is responsible to ensure compliance with the EA and EMPr.
<ul style="list-style-type: none"> • Describe how the development will impact on job creation in terms of, amongst other aspects: <ul style="list-style-type: none"> ○ the number of temporary versus permanent jobs that will be created, ○ whether the labour available in the area will be able to take up the job opportunities (i.e. do the required skills match the skills available in the area), ○ the distance from where labourers will have to travel, ○ the location of jobs opportunities versus the location of impacts (i.e. equitable distribution of costs and benefits), and ○ the opportunity costs in terms of job creation (e.g. a mine might create 100 jobs, but impact on 1000 agricultural jobs, etc.). 	<p>The proposal is expected to create new employment opportunities during the construction phase. The majority of the employment opportunities are likely to benefit previously disadvantaged individuals from the local community. Given the high unemployment levels in the surrounding areas, coupled with the low income and education levels, this would represent a positive socio-economic impact.</p>
<ul style="list-style-type: none"> • What measures were taken to ensure: <ul style="list-style-type: none"> ○ that there were intergovernmental coordination and harmonisation of policies, legislation and actions relating to the environment, and ○ that actual or potential conflicts of interest between organs of state were resolved through conflict resolution procedures? 	<p>All State Departments and Organs of State that have jurisdiction over the proposed development will be consulted during the PPP undertaken as part of the BA process.</p> <p>Consultation with the State Departments and Organs of State will assist in the coordination of policies, guidelines and legislation relating to the environment.</p>
<ul style="list-style-type: none"> • What measures were taken to ensure that the environment will be held in public trust for the people, that the beneficial use of environmental resources will serve the public interest, and that the environment will be protected as the people's common heritage? 	<p>The overarching purpose of the BA process is to determine, assess and evaluate the consequences (positive and negative) of a proposed development on the receiving environment (i.e., living and non-living aspects). An iterative approach will be followed as part of this BA process, in order to achieve the key purpose of Environmental Impact Assessments, which is to identify solutions, approaches or options for development that best meets the Sustainable Development objectives. Throughout the BA process there will</p>

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	<p>be opportunities to constantly refine and adapt the development proposal to respond to these issues or concerns, in relation to the environmental factors.</p> <p>The PPP to be undertaken as part of this BA process will provide members of the public (or I&APs) with the opportunity to raise any environmental concerns related to the proposed development. All issues and concerns raised will be addressed during the BA process.</p>
<ul style="list-style-type: none"> • Are the mitigation measures proposed realistic and what long-term environmental legacy and managed burden will be left? • What measures were taken to ensure that the costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimising further pollution, environmental damage or adverse health effects will be paid for by those responsible for harming the environment? 	<p>Mitigation measures described under Section I of the BAR were incorporated in the EMPr (Appendix H) and it will also become conditions of the environmental authorisation, should it be granted. The Applicant will be responsible for the implementation of and for compliance with the conditions of all environmental related approvals.</p>
<ul style="list-style-type: none"> • Considering the need to secure ecological integrity and a healthy biophysical environment, describe how the alternatives identified (in terms of all the different elements of the development and all the different impacts being proposed), resulted in the selection of the best practicable environmental option in terms of socio-economic considerations? 	<p>A description of alternatives is provided in Section F of this report. These alternatives were assessed in the BAR – refer to Section I and Section H of the BAR.</p>
<ul style="list-style-type: none"> • Describe the positive and negative cumulative socio-economic impacts bearing in mind the size, scale, scope and nature of the project in relation to its location and other planned developments in the area? 	<p>Impacts and risks were assessed in the BAR – refer to Section I and Section H of the BAR.</p>