



## Environmental Services Panel Scope of work

Gauteng Cluster’s scope of work will entail the supply of Environmental and associated services to the Eskom businesses, which will include the following: Environmental Impact Studies/ Assessment, Environmental Control Officer and Assurance, Environmental Specialists studies as and when required.

Environmental Services	Scope of work	Contract duration
Basic Assessment study	<p>To conduct Basic Assessment study according to National Environmental Act, 1998 (Act no 107 of 1998) and Regulations on environmental impact assessment, relevant environmental regulations which will include;</p> <ul style="list-style-type: none"> <li>• To Liaise with the Department of Forestry, Fisheries and the Environment (DFFE) to register the project.</li> <li>• Conduct the initial site visit with Eskom for confirmation of the site.</li> <li>• Conduct site visit with specialists.</li> <li>• Conduct environmental investigations.</li> <li>• Conduct public participation if required.</li> <li>• Liaise with the department until the Environmental Authorization (EA) is issued.</li> <li>• Notify the interested and affected parties as per EA conditions.</li> <li>• Compile Environmental Management Programme (EMPr).</li> </ul>	4 Years
Heritage study	<p>Identify and Map all archaeological or heritage resources.</p> <ul style="list-style-type: none"> <li>• To conduct assessment on significant resources in terms of section 6(2) and 7 of the National –Heritage Resources Act 25 of 1999.</li> <li>• Assessment the impact of the development on heritage resources.</li> <li>• Evaluation of the impact of the development on heritage and archaeological resources relative to and Develop mitigation measures.</li> <li>• The study should include baseline information; occurrences and structures of archaeological, heritage or cultural importance.</li> <li>• Liaise with community and tribal authority.</li> <li>• Provide report with findings and recommendation.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Submit report to SAHRA on behalf of Eskom.</li> </ul>	4 Years
Palaeontology Study	<p>The study will include the following:</p> <ul style="list-style-type: none"> <li>• Conduct research on prehistoric life forms and the evolution of plant and animal life at the proposed project location/site.</li> <li>• Investigate and determine the possible impacts proposed development will cause on the paleontological resources through desktop study and site verification when necessary.</li> <li>• Produce report with findings and recommendation.</li> <li>• Submit report to SAHRA on behalf of Eskom if there is a need.</li> </ul>	4 Years
Avifauna study	<p>The study will include the following:</p>	4 Years

	<ul style="list-style-type: none"> <li>• Brief introduction containing information, details concerning the specific investigation and description to define the problem.</li> <li>• Investigation on the types of birds found on the area (including, red data, rare and endangered).</li> <li>• Determine the impacts to be caused by the development.</li> <li>• A general description of the problem and methodology of the investigation.</li> <li>• Description of the location of the problem by referring to pole number and/or.</li> <li>• GPS readings.</li> <li>• Compile are report with all possible impacts and mitigation measures or recommendations.</li> <li>• Digital photos and sensitivity maps to be included in the report.</li> </ul>	
Botanical/Ecological I study	<p>The study will include the following:</p> <ul style="list-style-type: none"> <li>• Investigate the condition of the vegetation, compile Species composition (Species List), Rare and endangered species and Declared weeds and invader plants.</li> <li>• Recommendations regarding existing infrastructure – the botanist should give an estimation/description of what the impact on the vegetation will be if bush clearing is done to normal Eskom standards, and make recommendations if the impact is seen as unacceptable or acceptable.</li> <li>• Identification of specific species that will be impacted upon and under which national and provincial legislation these species are protected or listed.</li> <li>• A list with GPS co-ordinates of these species must be forwarded to Eskom in order to obtain the required permits for the cutting, trimming or felling of protected trees, should these be identified during the survey. Assistance to obtain the required permits must be rendered, although Eskom will have to submit the application themselves.</li> <li>• Any other conditions that is specific to the project</li> <li>• Provide Botanical study report showing impacts and recommendations</li> <li>• General counting of trees as per Gauteng Cluster request</li> </ul>	4 Years
Hydrological study (Floodline, Wetland and water use license application	<p>The study will include the following;</p> <ul style="list-style-type: none"> <li>• Determine the state of water resource within the proposed development area</li> <li>• Determine the impacts of the proposed development on water resource</li> </ul>	4 Years

	<ul style="list-style-type: none"> <li>• Provide recommendations regarding the positioning of infrastructure in order to ensure that impacts on wetland/water resources are minimized</li> <li>• Provide advice on any other condition relating to wetland and wetland delineation in the forms maps, GIS Shape file, DGN file or AutoCAD</li> <li>• Provide wetland study report with impacts and recommendations</li> <li>• Interpretation of Survey data for the power line route</li> <li>• Create a map for floodline delineation for 1:100 year floodline on a GIS Shape file, DGN file or AutoCAD for streams crossing</li> <li>• Conduct Water Use License related study and acquire Water Use License</li> <li>• Create a map for flood line delineation for 1:100 year floodline on a GIS Shape file</li> <li>• Create a map for floodline delineation for 1:100 year floodline on a GIS Shape file, DGN file or AutoCAD for streams crossing</li> <li>• Conduct topographically survey for streams crossing.</li> <li>• Compiling a report of an overview of the technical methodology used to reach the outcomes of the study and recommend mitigation measures.</li> </ul>	
Visual impact study	<p>The study will include the following;</p> <ul style="list-style-type: none"> <li>• Determine the extent of impact.</li> <li>• Conduct site visit.</li> <li>• Understand the proposed project and the receiving environment.</li> <li>• Establishment of view catchment area, view corridors, viewpoints and receptors.</li> <li>• Indication of potential lighting impacts at night.</li> <li>• Description of alternatives, mitigation measures and monitoring programmes in a form of a report.</li> </ul>	4 Years
Social impact study	<p>The study will include the following;</p> <ul style="list-style-type: none"> <li>• Determine project impacts on the social, economic, cultural and livelihood activities of affected communities.</li> <li>• Conduct community meetings.</li> <li>• Come up with a social plan.</li> <li>• Come up with mitigation measures and recommendation in a report.</li> </ul>	4 Years

Traffic flow impact	<p>The study will include the following;</p> <ul style="list-style-type: none"> <li>• Assesses the effects that a particular development will have on the transportation network in the community.</li> <li>• What needs to be done in the immediate vicinity of the site to meet the access needs of the development?</li> <li>• Provide report with associated impacts of the proposed development on traffic network and recommendation.</li> </ul>	4 Years
Environmental Control Officer	<p>To Conduct Environmental Control Officer (ECO) duties for all Environmental authorizations/Permits/Licenses during construction.</p> <ul style="list-style-type: none"> <li>• ECO's responsibilities will be to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorization are implemented and to ensure compliance with the provisions of the approved Environmental Management Program (EMPr).</li> <li>• Conduct Environmental Induction to the construction contractor at the beginning of the project.</li> <li>• Conduct site monitoring and Compile Monthly Compliance monitoring report and submit to Eskom Environmental Officer.</li> <li>• The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.</li> <li>• Submit compliance audit report/monitoring in terms of the environmental authorization to the Director: Compliance Monitoring of the relevant Department.</li> </ul> <p>Submit an environmental audit report to the department within 30 days of completion of the construction phase and within 30 days of completion of rehabilitation activities.</p>	4 Years
Public participation Process	<p>To Conduct Public Participation Process for proposed projects by:</p> <ul style="list-style-type: none"> <li>• Identification of Interested and affected parties (I&amp;APs).</li> <li>• Generating and distributing Background Information Documents.</li> <li>• Placing Newspaper Adverts.</li> <li>• Conducting Public meetings.</li> <li>• Record Issues raised by I&amp;APs.</li> <li>• Liaising with the relevant authorities when required.</li> </ul> <p>Submit reports to relevant authorities on behalf of Eskom.</p>	4 Years

**Compile by : Emelda Malima**

**Manager Environmental Management Gauteng Cluster**

**Signature:**

A handwritten signature in black ink, appearing to read 'Emelda Malima', is written over a small rectangular box.