1. INTRODUCTION

This document establishes the standard technical scope and evaluation criteria for the Commercial enquiry to establish a prequalified contractors demonstrating the competency and capacity for the execution of Environmental services within the Gemma Cluster, Distribution.

2. TECHNICAL SCOPE

The term Environmental Services in this document is used to describe the environmental input that is required by the various Environmental legislation. Scope of work entails the provision of environmental management and associated services to the Gemma Cluster, Distribution business, which will include and not limited to the following: Environmental Impact Studies/ Assessment, Environmental Control Officer and Assurance, Environmental Specialists studies on an “as and when” required basis:

Panel A: Environmental Impact Assessment

Panel A will cover the core projects, electrification, and minor reticulation, renewable energy, ERE projects, maintenance and operations related projects for the Cluster. Environmental services are legal requirements for all projects types that Eskom Distribution undertake :

- Environmental Impact Assessment and Basic assessment relevant Environmental Permits
- Environmental and Social Due diligence
- Environmental and Social Health Impact Assessment
- Environmental Audits
- Environmental Control Officer
- Environmental Management Programme
- Environmental Management System
- Environmental training and awareness relevant environmental materials for projects (posters, pocket booklets etc.
- Legal compliance reviews
- Legal Audits
- Public participation
- Rectifications and amendments of authorisations
- Scoping report
- Socio-economic study or Social Impact Assessment and
- Strategic environmental assessment
- Environmental Appeals Processes
- Maintenance Management Plans
- Water Licence Application

Panel S: Specialists

Panel S will cover the specialist services required for core projects, electrification, minor reticulation, ERE projects, maintenance and operations related projects for the Cluster. Environmental services are legal requirements for all projects types that Eskom Distribution undertake.

The specialist services include:

- Biodiversity management / biodiversity-offset studies
- Rehabilitation Assessment and Mitigation
- Faunal and Avifaunal studies
- Air Quality, Dust and Noise Abatement Studies and Mitigation
- Community engagement / public participation
- Contaminated land analysis, Land Assessments and Land Monitoring
- Ecology/ Botanical studies (Including search & rescue)
- Effluent management
- Energy management
- Environmental and social audits and due diligence assessment/audits in terms of Funders requirements (IPP studies)
- Ground water
- Stormwater Studies
- Agricultural Assessment
- Geo-technology
- Heritage / archaeological palaeontology / cultural landscape
- Hydrological (Water analysis, Water balance modelling and Water impact study / wetlands, wetland delineation, floodline studies, Water treatment, Waste Water Monitoring)
- Socio-economic studies
- Soil Sampling
- Surface Water Monitoring/Ground Water Monitoring
- Terrestrial ecology
- Traffic Impact Assessment
- Visual Impact Assessment
- Waste management
- GIS Mapping/ Modelling/ Fine-Scale mapping

In general, the scope of work covered by this contract includes the following. (Any other additional or project specific tasks related to the services will be outlined in the relevant task order)

Environmental Services	**Scope of work**
Basic Assessment Studies	To conduct Basic Assessment and EIA study according to National Environmental Act, 1998 (Act no 107 of 1998) and Regulations on environmental impact assessment, relevant environmental regulations which will include: • To liaise with relevant Department to register the project • Conduct the initial site visit with Eskom for confirmation of the site. • Conduct site visit with specialists • Conduct environmental investigations • Conduct public participation if required • Liaise with the department until the Environmental Authorization (EA) is issued.

	• Notify the interested and affected parties as per Environmental Authorization (EA) conditions. • Compile Environmental Management Programme (EMPr) • Amendment of Authorizations
Heritage study	The study will include the following: • Identify and map all archaeological or heritage resources. • To conduct assessment on significant resources in terms of section 6(2) and 7 of the National Heritage Resources Act 25 of 1999. • Assess the impact of the development on heritage resources. • Evaluation of the impact of the development on heritage and archaeological resources relative to and develop mitigation measures. • The study should include baseline information; occurrences and structures of archaeological, heritage or cultural importance • Liaise with community and tribal authority • Provide report with findings and recommendation • Submit report to relevant Heritage Department on behalf of Eskom.
Palaeontology/ Archaeological Study	The study will include the following: • Conduct research on prehistoric life forms and the evolution of plant, animal & human life at the proposed project location/site. • Investigate and determine the possible impacts proposed development will cause on the paleontological/ archaeological resources through desktop study and site verification when necessary • Produce report with findings and recommendation • Submit report to relevant Heritage Department on behalf of Eskom if there is a need.
Faunal & Avifaunal studies	The study will include the following: • Brief introduction containing information, details concerning the specific investigation and description to define the problem. • Investigation on the types of birds found on the area (including, red data, rare and endangered) • Determine the impacts to be caused by the development • A general description of the problem and methodology of the investigation. • Description of the location of the problem by referring to pole number and/or GPS readings • Compile are report with all possible impacts and mitigation measures or recommendations. • Digital photos and sensitivity maps to be included in the report.
Botanical/ Ecological study	The study will include the following: • Investigate the condition of the vegetation, compile species composition (Species List), rare and endangered species and declared weeds and invader plants. • 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. • Identification of specific species that will be impacted upon and under which national and provincial legislation these species are protected or listed. • 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. • Any other conditions that is specific to the project

	• Provide Botanical study report showing impacts and recommendations. • General counting of trees. • Rehabilitation Assessment and Mitigation • Search & Rescue
Hydrological study (Floodline, Wetland, General Authorization and water use license application	The study will include the following: • Determine the state of water resource within the proposed development area • Determine the impacts of the proposed development on water resource • Provide recommendations regarding the positioning of infrastructure in order to ensure that impacts on wetland/water resources are minimized • Provide advice on any other condition relating to wetland and wetland delineation in the forms maps, Geographic Information System (GIS) Shape file, Design Graphic Norms (DGN) file or Auto Computer Aided Drawing Designs (CADD). • Provide wetland study report with impacts and recommendations • Interpretation of Survey data for the power line route • Create a map for floodline delineation for 1:100 year floodline on a Geographic Information System (GIS) Shape file, Design Graphic Norms (DGN) file or Auto Computer Aided Drawing Designs (CADD) for streams crossing • Conduct Water Use License/General Authorization related study and acquire Water Use License/General Authorization • Create a map for flood line delineation for 1:100 year floodline on a GIS Shape file • Create a map of delineated wetlands on a GIS Shape file, DGN file or Auto Computer Aided Drawing Designs (CADD) for streams crossing • Compiling a report of an overview of the technical methodology used to reach the outcomes of the study, findings of the study and recommend mitigation measures.
Visual impact study	The study will include the following: • Determine the extent of impact • Conduct site visit; • Understand the proposed project and the receiving environment; • Establishment of view catchment area, view corridors, viewpoints and receptors; • Indication of potential lighting impacts at night • Description of alternatives, mitigation measures and monitoring programmes in a form of a report
Social impact study	The study will include the following: • Determine project impacts on the social, economic, cultural and livelihood activities of affected communities • conduct community meetings • Come up with a social plan • Come up with mitigation measures and recommendation in a report
Traffic flow impact	The study will include the following: • Assesses the effects that a particular development will have on the transportation network in the community • What needs to be done in the immediate vicinity of the site to meet the access needs of the development? • Provide report with associated impacts of the proposed development on traffic network and recommendation
Environmental Control Officer (ECO)	To manage, supervise and inspect overall construction environmental performance against environmental requirements and ensure legal compliance to Environmental Authorization (EA), Environmental Management Plan (EMP) and Environmental Permits which include the following responsibilities;

	• Support Eskom and contractors throughout the construction phase of the projects and report project deviations and the implications on the project schedule to the responsible environmental practitioners • Ensure that mitigation/rehabilitation measures and recommendations referred to in the Environmental Authorization are implemented and ensure compliance with the provision of the approved EMP'r. • Monitor the implementation of environmental investigation mitigation measures and the effectiveness thereof, incidents such as animal interaction, customer complains, and major spillage incidents • Conduct contractor environmental induction and awareness • Attend monthly construction meetings and follow up on site instructions • Monitor and submit monthly reports of a standard acceptable to the department of environmental affairs, audit checklist and minutes to Eskom • Conduct a post construction audit and submit a final report to Eskom within the time period specified in the Environmental Authorization (EA).
GIS	• GIS Mapping • Modelling • Fine-Scale mapping

3. TECHNICAL EVALUATION STRATEGY

The evaluation strategy and supporting criteria described in the following sections will be used to evaluate qualifying bids.

The technical evaluation process will follow a chronological order which will start with Stage 1, namely, mandatory functional requirements. If all Stage 1 requirements have been satisfied then the evaluation will proceed to Stage 2, which is the evaluation of the predefined technical requirements.

Should the Stage 2 threshold be met, then the qualifying bids will be processed further for selection.

4. TECHNICAL EVALUATION

4.1 STAGE 1: MANDATORY FUNCTIONAL REQUIREMENTS:

MANDATORY FUNCTIONAL CRITERIA AND RETURNABLE			
Criteria	**Returnable**	**Further Notes**	**Minimum**
Professional Registration as EAP or Specialist	A Valid registration with either EAPASA or SACNASP or any other relevant environmental field registration body, as an Environmental Assessment Practitioner or as a Specialist.	**Certificates:** This evidence is for the owner or co-owner/ relevant specialist (valid at the date submission)	Environmental Qualification certificates minimum3 years or NQF 6; Registration certificate as EAPASA or SACNASP Registration certificate as Specialist. Letter of good standing from Professional Bodies
Qualifications of Staff	Relevant 3 years or NQF 6 environmental qualification. Specialist qualification in related field.	**Certificates:** This evidence is for the resources who's CVs are submitted (valid at the date submission)	Diploma /B-Tech/ Degree in Environmental Management or Environmental Science. Relevant specialist field certificate.

Tender submissions meeting 100% of the Mandatory criteria will proceed to the next level of the technical evaluation.

Tender submissions failing to meet 100% of the Mandatory criteria will be deemed non-responsive; the submission will be disqualified and not evaluated further.

4.2 STAGE 2: TECHNICAL CRITERIA AND RETURNABLE

- The following evidence must be submitted at tender stage.
- The evidence will be assessed and scores will be allocated accordingly.
- The minimum threshold is set at **80%.**

TECHNICAL CRITERIA AND RETURNABLE					
No.	**Criteria**	**Returnable**	**Score**	**Scoring method**	**Weights**
1	Experience of Environmental Company & experience of key Resources you propose to satisfy the scope of work	The Curriculum Vitae of the EAPs and/ specialists.	5	5 points- Above 3 years 3 points- 3 years 0 points Less than three years	50%
2	Project Experience (Number of Environmental Projects Successfully Completed by Company/individual)	Successfully completed Basic Assessment or Environmental Impact Assessment Studies, evidence must include relevant Department reference numbers (attached EA). In case of a Specialist and ECO successfully completed specialist studies Monitoring reports, this must include the EIA reference numbers where applicable and the name of company the study was conducted for. The specialist and ECO will include a Curriculum Vitae of specialist under their employ.	5	5 points- five (5) or more successfully completed and / or Specialist studies/ ECO reports with CVs and affidavits. 3 points- three (3) or more successfully completed and/ or Specialist studies/ ECO Reports with CVs and affidavits. 0 points- Less than three (3) or no studies submitted	50%
Total			**10**		**100%**

4.3 TECHNICAL EVALUATION SCORING

Criteria for Guidance			Weight	Company Name	Scores
Manditory Functional	**Professional Registration as EAP or Specialist**	A Valid registration with either EAPASA or SACNASP or any other relevant environmental field registration body, as an Environmental Assessment Practitioner or as a Specialist	**100**	Submitted?	
	Qualifications of Staff	Relevant 3 years or NQF 6 environmental qualification. Specialist qualification in related field.			
	Total		**100**	**PASS/FAIL?**	**0.0**
Technical	**Experience of Environmental Company & experience of key Resources you propose to satisfy the scope of work**	Experience, scientific standing, communication skills, independence and leadership of the team leader together with the fields of expertise and depth of the experience of the team members, in relation to the project or projects of similar nature. Preference will be given to consultants who are registered / certified by relevant professional body in the field. The experience / appropriateness (supported by references and CVs) of the overall project team composition.	**50**	Notes	
	Project Experience (Number of Environmental Projects Successfully Completed by Company/individual)	Demonstration of complex projects of this nature that the organisation/company has been involved in.	**50**	Notes	
	Total		**100**		**0.0**
NB: Minimum technical threshold for contract award is 80%					

5. CONTRACT AWARDING

a) Contractors will be required to undergo an induction (which will entail the discussion of the Aspects and Impacts register, the Eskom Distribution Screening Document and other standard procedures that will be deemed appropriate by the Cluster to serve as an introduction of the study area) prior to contract signing.
b) Contractors must ensure that registration certificates that expire after contract awarding are renewed.

N/B: Terms of Reference for appointing Specialities or BA- reviewing and criteria- 7 days

6. APPROVAL OF TECHNICAL EVALUATION

NAME & SURNAME	DEPARTMENT & DESIGNATION	SIGNATURE & DATE
1.		
2.		
3.		