

Title: **Skills for Outstanding Projects
Support Contract at Kusile
Power Station Project**

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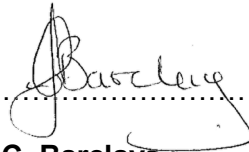


S. Foku

**Middle Manager
Commissioning**

Kusile Power Station Project

Functional Responsibility



C. Barclays

Senior Manager

Projects Oversight/Delivery

Kusile Power Station Project

Authorised by



Z. Shange

General Manager

Kusile Power Station Project

Date:

Date: 2026-05-11

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Part 3: Scope of Work

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1. Description of the service

1.1 Executive Overview

Eskom Kusile Project requires Commissioning and Construction management services. The service provider to be appointed will assist Eskom in Commissioning and Construction management of the outstanding works to get the remainder of the Kusile Project completed. The resources provided by the service provider will work under the direction and guidance of Eskom Commissioning and Construction Management staff. They will form part of an integrated team that will use Eskom's systems and procedures. The overall responsibilities of the service provider will be as follows:

- a) Provide advisory and support services for the execution of the Commissioning and Construction activities.
- b) Ensure compliance with Plant Safety Regulations (PSR), Fossil Fuel Fire Regulation (FFFR), Operating Regulations for High Voltage System (ORHVS), OHS Act, and Master Installation Electrician (MIE).

2. Detailed Scope of work

2.1 Construction services will include the following:

- Construction service will offer Kusile project team 'eyes and ears' and being the first to know of any potential plant challenges that may delay the construction progress schedule
- This service is an important conduit for flow of information between a number of Departments and Contractors at Kusile. (Construction Supervision Integration)
- The Construction Supervisor service offers the first point of contact between the Contractor and Kusile Project team and provide line of sight on project progress for Kusile Project Team Executive Management

- In particular, the Construction Supervision service provides crucial early warning of any potential delays on site and plays a critical role in resolving challenges to allow construction to proceed uninterrupted
- As part of the Safety, Health, Environment and Quality (SHEQ) system, the Construction Supervision service offers monitoring, tracking and ensuring the Contractor SHEQ performance is in compliance with Kusile site regulations during construction and the capability to ensure challenges are resolved amicably as and when they occur. Tracking compliance with the Inspection and Test Plans (ITPs) for each milestone daily and records in Daily Diary whether activities are at risk of failing inspections is an integral part of Construction Supervision Services at Kusile Power Station Project.
- Ensure Contractors adhere to quality plans and submits Data Books in accordance with the project schedule.
- Track progress against the constraint logs or 2, 3 or 6 weeks look ahead plans
- Monitor construction progress daily using physical quantities versus Contractor's schedule and Weekly work plans
- If progress does not meet schedule, engage immediately with Contractor to identify root causes or raise the issues in the relevant meetings
- Write Daily Diaries detailing progress, quality, health and safety issues.
- Review Application for Final Inspection (AFI) before it is submitted to Quality and identify any additional work required before formal inspection is scheduled
- Coordinate pre-safety clearance walk downs during AFI submission
- Attend start-up meeting for plant safety clearance booking
- Ensure that plant is safety cleared in accordance to the Commissioning procedure

- Ensure submission of accurate and complete Construction Turn over (CTO) files to Commissioning
- Daily site-plant walk downs of all responsible areas of all the outstanding projects (Waste Water Treatment Plant, BOP, Conveyors (Coal and Ash), Coal Offloading, (Switchgear & HVAC), BMH Transfer Houses) to verify the status of plant is in compliant with Construction & Operating Regulations.
- Support Commissioning Department on Testing & Optimisation of newly constructed systems.
- Identify defects and coordinate remedial works
- Drive completion of Construction as per project schedule
- Drive the hand over process from contractor to client for safety clearance of systems and assist with Commissioning activities
- Drive safety compliance with the safety department, (attend daily contractors toolbox talks/DSTI/ Hot work permits).
- Drive Integration between Eskom and the different contractors in the work areas during construction
- Assist in coordinating Quality inspections with the Quality Department on completed construction works as well with safety clearances and KKS certifications
- Comprehensive Lifting Equipment Inspections: Examine cranes, hoists, winches, forklifts, and all other lifting machinery to ensure safe operation and compliance with relevant regulations
- Load Testing & Certification: To oversee that equipment is tested to its rated capacity, and detailed certification is provided to meet legal and insurance requirements.
- Preventive Maintenance Advice: Recommend maintenance schedules and procedures to extend the lifespan of machinery and prevent costly breakdowns.

- Approval and Signing off on specialised systems (Hydrogen, FGD, Conveyors, DCS, Compressor plant) (SP)

2.2 Commissioning services will include the following:

- Preparing and applying permits to work on a 24/7 basis (RP)
- Providing 24 hours coverage for the running of non-commercial plant on site (Hydrogen, FGD, Conveyors, DCS, Compressor plant) (RP/SP)
- Responsible for energizing all new plant (RP)
- Applying for sanction for test of all new motors (RP)
- RP's at Kusile also support the contract package teams that have plants that are not handed over including brush gear inspections and the maintenance of lights in the units.
- RPs are responsible for applying and accepting permits to work after the safety clearance for phasing the electrical test.
- Walk down and lock out system after safety clearance. (RP)
- Advise and commission of specialised systems (Hydrogen, FGD, Conveyors, DCS, Compressor plant) (SS)
- Approval and Signing off on specialised systems (Hydrogen, FGD, Conveyors, DCS, Compressor plant) (SS)
- To ensure that pre walk downs are carried out prior to the installation to advice accordingly (guidance) in terms of material to be used and on how the installation should be executed (supervision) in accordance with the health and safety standards (MIE).
- Populate equipment register/component list for hazardous locations with the contractors' input and making sure it is updated before hand over to the Client (MIE)
- Monitor Contractors' construction power (DB's) as per OHS Act requirements and ensure the valid certificate of compliance is issued (MIE)
- Ensure that the Contractors comply with the Electrical Installation Regulations and issuing of Hazardous COC's as per the OHS Act (MIE)

- Ensure that no repairs are affected on any piece of electrical equipment unless is rendered dead (MIE)
- Ensure that under any normal working conditions where there is a possibility of static electricity formation, necessary measures are taken to prevent the formation of electric sparks (MIE)
- Verify that the equipment is correctly installed as per the IA certifications, serial numbers and Ex ratings and ensure that the equipment is in the correct zone as per the Area Classification drawings (MIE)
- Follow up on the electrical machinery installed in hazardous location to ensure that they are visually inspected and tested periodically at intervals not exceeding two (2) years (MIE)
- Flush various systems in preparation for commissioning (Waste -Water treatment and Compressor plant) (JS)
- Install temporary piping and strainers for system flushing (JS)
- Install “jumpers” for system flushing (JS)
- Field operators support for all BOP plant under commissioning (JS)
- Operating of valves and equipment during commissioning, under the supervision of Eskom Commissioning personnel (JS)
- Perform plant condition monitoring (e.g.: Check for pump / motor vibrations and bearing temperature for plant under commissioning) (JS)
- Prepare plant standby for commissioning activities (JS)
- Housekeeping duties on all BOP commissioned plant (JS)
- Routine checks on plant in-service under commissioning (JS)
- General support as labourers for Commissioning BOP (JS)
- Completes daily, weekly, and monthly checklists on the commissioning plant equipment maintenance procedures and maintains records of scheduled maintenance procedures (JS)
- Maintenance of document management systems through the management of documentation throughout the information lifecycle (JS)

- Liaise with relevant role players on operational business undertakings relating to document management including projects (JS)
- Provide administrative support in respect of documents and records (JS)

2.3 Reports

The following report shall be submitted:

- Daily Diaries as per the Kusile Power Station Project prescribed template
- Weekly and monthly reports as prescribed
- Monthly Timesheets

2.4 Abbreviations

[1] Abbreviation	[2] Description
AP	Appointed Person
HV	High voltage
MIE	Master Installation Electrician
KET	Kusile Executive Team
HV	High Voltage
JS	Junior Supervisor
LV	Low Voltage
RP	Responsible Person
PSR	Plant Safety Regulations
ORHVS	Operating Regulations for High Voltage System
QMS	Quality Management System
URS	User Requirement Specifications
TET	Technical Evaluation Team
SES	Site Environmental Specification
CEMP	Construction Environmental Management Plan
SSA	Site Specific Agreement

WTW	Water Treatment Works
PQMP	Project Quality Management System and Plan
SS	Senior Skills
LMI	Lifting Machinery Inspector
CS	Construction Supervisor
ITP's	Inspection Test Plan
DSTI	Daily Site Task Instruction
HVAC	Heating Ventilation and Air Conditioning
CTO	Construction Turnover
AFI	Application for Inspection
COC	Certificate of Compliance
SHEQ	Safety Health Environment and Quality

3. Specification and description of the services

- The Service provider will provide skilled personnel of the required discipline levels for a 6-month period from 1 June 2026 to 30 November 2026.
- The detailed activities to be executed and deliverables to be produced will be agreed between the Employer and Service provider during the contract.

4. Constraints on how the Service provider provides the Services.

The Service provider ensures that the people provided to undertake the Services have the necessary competence and availability to effectively and efficiently perform the roles and tasks to which they are assigned. Should at any time the Employer consider this not to be the case then the Employer may inform the Service provider and request the Service provider to take action to address the situation. If, in the sole discretion of the Employer, the matter is not resolved satisfactorily by the end of the fifth working day

thereafter, then the Employer may request that the individual be removed or replaced, and the Service provider shall at no cost to the Employer comply forthwith.

5. Management meetings

Meetings of a general nature may be convened and chaired by the Employer's Agent.

6. Records and forecasting of expenses.

Records and forecasting of expenses will be required on monthly basis.

Hourly claimed rate should be supported by timesheets and the invoices/receipts for all claimed expenses to be reimbursed at cost. In addition, the following must be done:

- The timesheets must be signed by the relevant assigned manager in the relevant project.

6.1 Invoicing and payment

The Service provider shall address the tax invoice to:

Eskom Holdings SOC Limited

Kusile Power Station

Suite 46

Postnet

Highveld Mall

Emalahleni

1035

Attention: Khulekile Khoza

Tel+27 17 612 6431

ONLY ORIGINAL INVOICES WILL BE ACCEPTED

Vat 4740101508

The following must be stated on the Tax Invoice:

- Name and address of the Contractor and the Employer:
 - The contract number and title
 - Contractor's VAT registration number
 - The Employer's VAT registration number 4740101508.
 - Description of service provided for each item invoiced based on the Price List.
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT

6.2 Quality Management

System requirements

The Service provider and all Sub-consultants shall comply with the requirements listed in Employer's standard document, 'Supplier Quality Management Specification (QM 58) 240-105658000, for all the Employer Quality requirements.

The Service provider shall develop and submit a Project Quality Management System and Plan (PQMP) for this contract. This PQMP shall describe the project quality requirement and shall also describe the requirement for continued compliance to the requirement of ISO 9001 Quality Management Systems Requirements.

Information in the quality plan

The Service provider shall provide all information, material and records required to comply with the Eskom Quality Management System and such further information, material and records as may be requested by the Employer from time to time.

7. The Parties use of material provided by the Service provider

7.1 Employer's purpose for the material

Clause 70.1 states that the Employer has the right to use the material provided by the Service provider for the purpose stated in the Scope. Such material will amongst other things be used by the Employer for strategic planning.

7.2 Safety and Health Management

The Employer expects the Service provider to engage in safety culture initiatives in line with the Eskom Life Saving Rules, Safety and Quality Requirements Standard.

The Service provider and all sub-consultants shall comply with the requirements listed in Employer's standard document, 'Eskom Safety, Health, Environment and Quality Policy 32-727', for all the Employer Health and Safety requirements.

The Employer places emphasis on the provision of a comprehensive Health and Safety file as per the attached checklist for this contract. The Project Health and Safety file shall comply with the requirements of the OHS Act.

The Service provider shall develop and submit a Health and Safety file for this contract. This shall describe the project health and safety requirements and shall also describe the requirement for continued compliance with the requirement of the OHS Act.

7.3 Working on the Employer's property

Employer's entry and security control, permits, and site regulations:

- The Service provider shall comply to the Employer's entry and security control, permits, and site regulations.
- All employees working on the Eskom Power Station Site must complete induction before work can start.
- Personal Protective Equipment (PPE) must be worn at all-times except in the PPE free zones.
- All employees must comply to Eskom Life Saving Rules:

Rule 1: Open, isolate, test, earth and create an equipotential zone before touch

Rule 2: Hook up at heights

Rule 3: Buckle up

Rule 4: Be sober

Rule 5: Ensure that you have a permit to work

Rule 6: Ensure safe live working

Rule 7: No reversing without a spotter or flagman

People restrictions, hours of work, conduct and records

The Service provider shall keep records of his people working on the Employer's property, including those of his Sub-consultants.

The Employer's Agent shall have access to these records at any time. These records may be needed when assessing the monthly payment.

7.4 Things provided by the Employer.

The Employer shall provide workspace for the Service provider use during performance of the services at any of the Eskom offices.

8. Skills development for project

The Service provider shall adhere to the SD&L requirements.

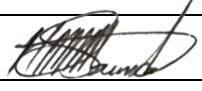
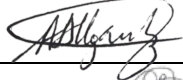
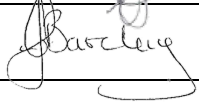
9. Conflict of Interest

During the course of executing its mandate, the Service provider and people appointed by the service provider will be exposed to Eskom's highly sensitive proprietary information, including but not limited to strategies proposed, considered and adopted for the Works under each Package, these include defence strategies proposed, considered and adopted against each of the Contractors, counter-claims considered and pursued against each of the Contractors, Eskom internal communication, communication between Eskom and its stakeholders, position papers and memoranda prepared in respect of any matter. The Service provider agrees that it will not, for the duration of its engagement and thereafter, assist any Contractor in acting against Eskom in any of the projects that fall within the Consultant's scope.

Further to the above all resources must comply to Eskom's Conditions of Service and sign non-disclosure agreements.

10. Acceptance

This document has been seen and accepted by:

Name	Designation	Signature
Hatlane Mabunda	Manager Commissioning	
Cobus Prinsloo	Middle Manager Construction	
Mandla Nhlengethwa	Middle Manager Construction	M.P.Nhlengethwa
Andile Ngxubaza	Manager Construction	
Sebongile Foku	Middle Manager Commissioning	
Chris Barclay	Senior Manager Project Oversight	

11. Revisions

Date	Rev.	Compiler	Remarks
	0	S. Foku	

12. Development Team

The following people were involved in the development of this document:

Name	Designation
Sebongile Foku	Middle Manager Commissioning
Hatlane Mabunda	Manager Commissioning
Kevin Naidoo	Senior Advisor Commissioning
Kholo Silindana	Senior Advisor Commissioning
Tumi Mpedi	Senior Advisor Commissioning

13. Acknowledgements

Thulani Silenge	Manager Quality Audit
Khulekile Khoza	Officer Project Accounting
Mmasefoloko Ramaphakela	Officer Environmental Management
Anvil Rhode	Manager Environmental Management
Davis Mposi	Senior Advisor Supplier Development