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|  | Scope of Work | Kriel Power Station |
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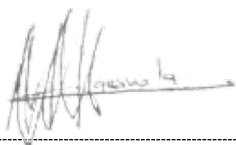
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1. Introduction

The scope comprises providing Electrical Certificate of Compliance (COC) services for all distribution boxes and containers that are temporarily connected during outages at Kriel Power Station for a period of five years. This service ensures compliance with electrical legal requirements as per SANS 10142-1 standards and helps prevent electrical faults that could lead to electrocution.

2. Supporting Clauses

2.1 Scope

This document provides a comprehensive scope of work for the provision of Electrical Certificate of Compliance (CoC) services for the Kriel Power Station. It ensures adherence to statutory and Eskom-specific standards and contributes to the operational efficiency and safety of the power station during scheduled outages.

2.1.1 Purpose

The primary purpose of this contract is to engage a qualified contractor to issue Electrical Certificates of Compliance for all temporary connected distribution boxes and containers during outages at Kriel Power Station.

2.1.2 Applicability

This document is applicable to Kriel Power Station.

2.1.3 Effective date

Effective upon the execution of the contract and remains valid for the duration of five years.

2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] SANS 10142-1: The wiring of premises
- [2] Eskom Plant Safety Regulations (36-681 Rev01)
- [3] Driven Machinery Regulations, 1988
- [4] RSR0001: Kriel SHE Requirements for Contractors

These documents are indispensable for the application of this document, i.e. documents to be used together with this document.

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2.2.2 Informative

[5] National Environmental Management Act (Act 107 of 1998)

[6] ISO 14001: Environmental Management Systems

[7] ISO 9001: Quality Management Systems

List of documents that are further sources of information referenced in your document, e.g., laws, standards, codes and procedures.

2.3 Definitions

CoC: Certificate of Compliance

Registered Person: An individual authorized by the Department of Labour to issue CoCs.

Task Order: Specific instructions issued by the Service Manager to execute defined tasks.

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

2.4 Abbreviations

| Abbreviation | Explanation |
|---------------------|---------------------------------|
| CoC | Certificate of Compliance |
| SHE | Safety, Health, and Environment |
| QMS | Quality Management System |
| TSC | Term Service Contract |

2.5 Roles and Responsibilities

- Electrical Engineering Department [EPE]: The department will be responsible for compilation of the scope and monitoring of the execution of the scope during GO, MGO and opportunity outages.
- Outage Department [OD]: The department will be responsible for the coordination and execution of the scope of work during GO, MGO and opportunity outages

2.6 Process for Monitoring

The general electrical maintenance work will be monitored by both EPE and OD during the different outages through daily outage progress meetings and contractor weekly safety meeting.

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2.7 Related/Supporting Documents

See section 2.2 Normative/Informative References

3. Scope of Work

3.1 Service Requirements

3.2 Regulatory Compliance

- All work must be executed in accordance with SANS 10142-1 standards
- Only a Registered Person with a valid license issued by the Department of Labour shall issue Certificates of Compliance
- The correct version of the Certificate of Compliance must be issued by the Registered Person for validation purposes
- All electrical boards must be inspected and tested before connecting to a power supply

3.3 Testing Requirements

- Testing instruments must be calibrated with valid calibration certificates
- Calibration certificates must be available at all times during testing
- All testing equipment must comply with relevant South African standards

3.4 Safety Requirements

- Test before touch rule must be strictly adhered to when testing live distribution boxes
- Direct supervision by the Responsible Person is mandatory during testing
- An Eskom delegate will sign the COC acceptance on behalf of Eskom
- Contractor must comply with all relevant safety regulations including:
 - ORHVS – Regulations – EPC – 32-846
 - 36-681 Rev01 – Plant Safety Regulations
 - RLR0037 – Management and control of the Declared Outage Permit
 - Driven Machinery Regulations 1988

3.5 Service Delivery Framework

3.6 Task Order Management

- Task orders will be issued by the Service Manager on an "as and when" required basis
- The Contractor will be notified minimum one month in advance of any Outage dates
- Emergency Task Orders may be given at any time by the Service Manager

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- Response times:
 - Normal task orders: 1 day of receiving the Task Order
 - Emergency conditions: 6 hours

3.7 Documentation Requirements

- Baseline risk assessment: To be submitted a month before start of work
- Quality Control Plans (QCPs): To be submitted a month before start of work
- Contractor's Safety files: Two weeks before start of work
- Issue COC: Immediately after testing
- Daily progress reports: After every shift
- All documentation must be submitted on a formal transmittal form to the Service Manager

3.8 Quality Control Requirements

3.9 Quality Management

- Contractor must maintain a quality management system
- Quality Control Plans must be submitted and approved before work commencement
- All work must be performed according to approved procedures and standards
- Regular quality audits will be conducted
- Ensure compliance with Eskom's QM58 standards.
- Perform all activities under a documented Quality Management System (QMS) aligned with ISO 9001:2008.

3.10 Testing and Verification

- All distribution boxes must be thoroughly tested
- Complete testing documentation must be maintained
- Test results must be verified and approved before COC issuance

3.11 Health, Safety, and Environmental Requirements

3.12 Safety Management

- Compliance with Kriel Power Station SHE Requirements (RSR0001)
- Implementation of safety management system
- Regular safety meetings and toolbox talks
- Proper use of Personal Protective Equipment (PPE)

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3.13 Environmental Management

- Compliance with environmental regulations
- Proper waste management
- Prevention of environmental incidents
- Submission an Environmental Management Plan (EMP) detailing mitigation measures for potential environmental impacts.
- Comply with Kriel Power Station's EMS and relevant legislative requirements.

3.14 Performance Monitoring and Reporting

3.15 Regular Meetings

- Weekly progress meetings during outages
- Daily safety toolbox talks
- Special meetings as required

3.16 Progress Reporting

- Daily progress reports during outages
- Weekly progress forecasts
- Monthly performance reports
- Immediate reporting of any incidents or non-conformances

3.17 Contract Administration

3.18 Documentation

- Maintenance of all required records
- Regular updating of all required certifications and licenses
- Maintenance of quality records

3.19 Communication

- Regular communication with Service Manager
- Prompt reporting of any issues or concerns
- Maintenance of all required communication channels

4. Acceptance

This document has been seen and accepted by:

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| Name | Designation |
|---------------|--------------------------------|
| G. Mthombene | Electrical Engineering Manager |
| R. Nelwamondo | Engineering Manager |
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5. Revisions

| Date | Rev. | Compiler | Remarks |
|---------------|-------------|-----------------|---|
| December 2024 | 1 | W. Masemola | Official revision of the document |
| December 2024 | 0.1 | W. Masemola | Initial draft of the document for review and approval |

6. Development Team

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

- W. Masemola
- R. Mahlaku

7. Acknowledgements

Everyone that helped with the compilation of the document.

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