
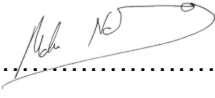



|   |                          |                          |
|---|--------------------------|--------------------------|
|  | <b>SCOPE REQUIREMENT</b> | <b>Scope Requirement</b> |
|---|--------------------------|--------------------------|

|        |  |                               |                              |
|--------|--|-------------------------------|------------------------------|
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|   |   |   |
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## **1 INTRODUCTION**

The existing UPS and Generator are installed at installed at Simmerpan site for Distribution (DX) operations, Gauteng Cluster. Their size capacities are 200KVA for Generator and 80KVA for UPS. They are used as power backup systems in the event of electric failure for Business Operations.

## **2 SCOPE REQUIREMENT**

Scope of work includes the followings:

### **2.1 UPS**

- Replacement of DC Capacitors
- Replacement of AC Capacitors
- Conduct major service UPS and batteries
- Perform batteries discharge test or obtain installation date

### **2.2 GENERATOR**

- Perform generator major service
- Remove and service radiator and pressure test
- Replacement of hoses
- Replacement of thermostats
- Replacement batteries
- Detailed assessment of engine overheating and remedial works
- Test and recharge batteries
- Battery relocation from Eskom Braamfontein to Simmerpan site.

Find attached assessment report that was conducted by Third Party on UPS and Generator at Simmerpan site.

The scope of work must be executed in compliance with engineering standards and Health and Safety Regulation requirements.

### **2.3 QUALIFICATION – Engineering Compliance**

The Supplier must poses electrical engineering, valid Diploma qualification as minimum requirement and ECSA registration.

The quality specification QM- 58 is used as quality management system for execution of project scope of work.

### **2.4 Purpose**

The Purpose of the document is to record the scope requirement of generator and UPS at Eskom Simmerpan site, within Distribution Data Centre/ Equipment Room.

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## 2.5 Applicability

The document is applicable to the works related to project scope for UPS and Generator at Simmerpan site, specific Distribution Data Centre/ Equipment Room

## 3 NORMATIVE/INFORMATIVE REFERENCES

Assessment report of UPS and Generator attached.

### 3.1 NORMATIVE REFERENCES

- ISO 9001 Quality Management Systems.
- [2] National Building Regulations And Building Standards Act No. 103 Of 1977

### 3.2 INFORMATIVE REFERENCES

- Eskom Real Estate Standards
- Occupational Health and Safety Act 85 of 1993
- Manufacturer Operation and Maintenance Manuals
- National Building Regulations and Building Standards

## 4 DEFINITIONS AND ABBREVIATIONS

### 4.1 Classifications:

**4.1.1 Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

### 4.2 ABBREVIATIONS

| Abbreviation | Description                     |
|--------------|---------------------------------|
| UPS          | Un-interrupted Power Supply     |
| Dx           | Eskom Distribution              |
| URS          | User Requirements Specification |
| OEM          | Original Equipment Manufacture  |

## 5 PROCESS FOR MONITORING

Document revisions will be marked in ascending numeric order. Final copy approved by Regional Manager to be stored accordingly.

## 6 RELATED/SUPPORTING DOCUMENTS

Not applicable

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## 7 REQUIREMENTS

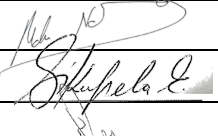
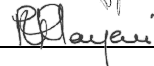
Scope repairs of Generator and UPS system

## 8 RECORDS

All records to be managed in compliance to the Eskom records management policy.

## 9 AUTHORISATION

This document has been seen and accepted by:

| Name              | Designation               | Signature   |
|-------------------|---------------------------|---|
| Paul Segwe        | Middle Manager            |   |
| Mdu Ndawo         | Regional Manager          |   |
| Ernest Sikupela   | Regional Manager          |  |
| Nerisha Pillay    | IM Manager                |   |
| Phumzile Mlangeni | Facility Manager (Acting) |  |

## 10 ACKNOWLEDGEMENTS

Not applicable.

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