



SOW

Camden Power Station

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1. Introduction

The regulations requires the employer to ensure that safety signs are provided and maintained in a circumstances where there is a significant risk to health and safety that has not been removed or controlled by any other methods.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

The purpose of the safety signage's in the Power Station Environment is to identify and warn workers who may be exposed to hazards in the workplace. They can also assist in the communication of important instructions, reinforce safety messages and provide instructions for emergency situations.

2.1.2 Applicability

The document applies to all OHS, Maintenance department as well as all the employees at Eskom Camden Power Station Generation division.

2.1.3 Effective date

The document is effective from date it is authorised.

2.1.4 Normative References

[1] SANS 1186

2.1.5 Informative Reference

- [1] OHS Act
- [2] Generation Safety Measures against the Thermal Hazard of an Electrical Arc for Metal enclosed Switchgear (up to 15KV) Standard. Doc No: 240-56179027.
- [3] Camden Power Station Arc Flash Procedure: 240-143167682

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2.2 Definition

2.3 Abbreviations

Abbreviation	Explanation
OHS Act	Occupational Health and Safety Act
SANS	South African National Standard
AFP	Arc flash Protection
Cal/cm ²	Calorific per centimetre squared.

2.4 Roles and Responsibilities

2.4.1 Contracts Manager

- The contract's manager shall ensure that the Technical Evaluation score sheet is supplied to the tender evaluation committee.
- The contract's manager shall verify that the service provider/partner executes this scope of work accordingly.

2.4.2 Supplier

- Will be given and order of specific signs that is needed at Camden PowerStation.
- Signs will be according to Sabs standard.
- Specific signs will also be made on the Clients request.

2.4.3 Camden Safety Department and Fire Department

- Identify all signs that is needed.
- Create a task order for the supplier to supply them.
- Check Signs against order and verify if signs is done accordingly
- Once the signs are received on site – an assessment must be conducted.
- A service entry must be created for the supplier to be paid on the last day of that month.

2.5 Process for Monitoring

- The service provider will do the supply and delivery on safety signs in accordance with section 3; and submit and service report to the contract's manager.
- The contract's manager will conduct a monthly assessment to monitor work progress.

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2.6 Related/Supporting Documents

Not Applicable

3. SCOPE OF WORK

3.1 Supply of Fire Fighting signs with night reflection fixture (hard background plastic material)

- Dimension: 290 X 290MM **Fire Alarm** x300
- Dimension: 290 X 290MM **Fire Blanket** x300
- Dimension: 290 X 290MM **Fire Equipment Location** x300
- Dimension: 290x 290MM **Fire Extinguishers**
- Dimension: 290 X 290MM **Fire Hazards**
- Dimension: 290 X 290MM **Fire Hose**
- Dimension: 290 X 290MM **Fire Pump Connection**
- Dimension: 290 X 290MM **Fire System Chain**
- Dimension: 290 X 290MM **Fire Extinguisher Red Arrow Down**
- Dimension: 290 X 290MM **Sprinkler System Stop Valve**
- Dimension: 400 X 300MM **Emergency Vehicle**
- Dimension: 450 X 600MM **Fire Station Area**

3.2 Supply of General Information signs with night reflection fixture (hard background plastic material)

- Dimension: 190 X 190MM **Eye Wash**
- Dimension: 190 X 190MM **Green Arrow**
- Dimension: 190 X 190MM **Running Left Sign**
- Dimension: 190 X 190MM **Running Right**
- Dimension: 190 X 190MM **Safety Shower**
- Dimension: 200 X 300MM **Emergency Breathing apparatus**
- Dimension: 200 X 300MM **First Aid Equipment**
- Dimension: 290 X 290MM **Ablution Facility for Males**
- Dimension: 290 X 290MM **Ablution Facility for Females**
- Dimension: 290 X 290MM **Designated Smoking Area**

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- Dimension: 290 X 290MM **Emergency Telephone**
- Dimension: 290 X 290MM **Disabled (Wheelchair)**
- Dimension: 290 X 290MM **Keep the Area Clean**
- Dimension: 450 X 600MM **Assembly Point**
- Dimension: 300 X 200MM **Evacuation Chair**

3.3 Supply of Safety Mandatory signs with night reflection fixture (hard background plastic material)

- Dimension: 190 X 190MM **Dust Mask**
- Dimension: 190 X 190MM **Hearing Protection**
- Dimension: 190 X 190MM **Hair Net**
- Dimension: 290 X 290MM **Apron**
- Dimension: 290 X 290MM **Eye Protection**
- Dimension: 290 X 290MM **Hand Protection**
- Dimension: 290 X 290MM **Hard Hat**
- Dimension: 290 X 290MM **Gum Boots**
- Dimension: 290 X 290MM **Respiratory protection**
- Dimension: 290 X 290MM **Safety Harness**
- Dimension: 290 X 290MM **Safety Shoes**

3.4 Supply Following Prohibitory signs with night reflection fixture (hard background plastic material)

- Dimension: 190 X 190MM **No Cell Phone**
- Dimension: 190 X 190MM **No Entry**
- Dimension: 190 X 190MM **No Naked/Open Flames**
- Dimension: 190 X 190MM **Not Smoking Area**
- Dimension: 190 X 190MM **Smoking Prohibited**
- Dimension: 290 X 290MM **Ash Dam No Entry**
- Dimension: 290 X 290MM **No Compressed Air**

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3.5 Supply of Warning signs with night reflection fixture (hard background plastic material)

- Dimension : 190 X 190MM **Asbestos**
- Dimension: 190 X 190MM **Danger Life Electricity**
- Dimension: 290 X 290MM **Chlorine Gas**
- Dimension: 290 X 290MM **High Voltage Warning**
- Dimension: 290 X 290MM **Keep the Cylinder Chained**
- Dimension: 290 X 290MM **Hot Work in Progress**
- Dimension: 290 X 290MM **Confined Space**

3.6 Supply of Road Traffic signs with night reflection fixture (hard background plastic material)

- Dimension: 600MM **30km p/h Road Speed**
- Dimension: 600MM **40km p/h Road Speed**
- Dimension: 600MM **60km p/h Road Speed**
- Dimension: 600MM **Curve Ahead**
- Dimension: 600MM **Max Height**
- Dimension: 600MM **No Parking**
- Dimension: 600MM **No Stopping**
Dimension: 600MM **Parking Area**
- Dimension: 600MM **Pedestrian crossing**
- Dimension: 600MM **Prohibition Sign**
- Dimension: 600MM **Speed Limit**
- Dimension: 600MM **Stop signs**
- Dimension: 600X600MM **Yield Signs**
- Dimension: 820 X 410MM **Chevron Fire back Plate**
- Dimension: 600 X 150MM **Danger Plate sign to the Left**
- Dimension: 600 X 150MM **Danger Plate Sign to the Right**
- Dimension: 400 X 2400MM **Yellow Chevron**
- Dimension: 440 X 440MM **Sharp Curve Chevron sign**
- Dimension: 440 X 440MM **Disable Parking**
- Dimension: 200 X 600MM **Reverse Parking Only**

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3.7 Supply of Cylinders signs with night reflection fixture (hard background plastic material)

- Dimension:290 X 290MM **High CO2 Level**
- Dimension: 290 X 290MM **Danger confined Space, Entry By Permit only**
- Dimension: 290 x290MM **Danger Rotating Machine Warning**
- Dimension: 290 X 290MM **Argon Full**
- Dimension: 290 X 290MM **Argon Empty**
- Dimension: 290 X 290MM **Nitrogen Full**
- Dimension: 290 X 290MM **Nitrogen Empty**
- Dimension: 290 X 290MM **Oxygen Full**
- Dimension: 290 X 290MM **Oxygen Empty**
- Dimension: 290 X 290MM **Acetylene Full**
- Dimension: 290 X 290MM **Acetylene Empty**
- Dimension: 290 X 290MM **CO2 Full**
- Dimension: 290 X 290MM **CO2 Empty**
- Dimension: 290 X 290MM **Propane Gas Full**
- Dimension: 290 X 290MM **Propane Gas Empty**
- Dimension: 290 X 290MM **Hydrogen Full**
- Dimension: 290 X 290MM **Hydrogen Empty**
- Dimension: 290 X 290MM **Hazardous Waste**
- Dimension: 600X300MM **Radiation Notification (SAMPLE WILL BE PROVIDED)**

3.8 Supply of Arc Flash Hazards warning Stickers Designs with night reflection fixture (hard background plastic material)

- Dimension: 20.5cm x 14.6cm -x 400 Stickers
- Dimension: 20.5cm x 14.6cm -x 400 Stickers

NB: See the picture attached on annexure A (C1)

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3.9 11 Point Plan Sticker with night reflection fixture (hard background plastic material)

- Dimension: 20.5cm x 25.5cm –x500 Stickers

NB: See the picture attached on annexure A (C2)

4.0 Electrical Arc Flash Protection poster Category 2 - 40 Cal/cm² with night reflection fixture (hard background plastic material)

- Dimension: 29.5cm x 42cm - 300 Stickers : **Category 2- 8 Cal/cm²**
- Dimension: 29.5cm x 42cm - 300 Stickers : **Category 2a- 8 Cal/cm²**
- Dimension: 29.5cm x 42cm - 300 Stickers : **Category 4- 40 Cal/cm²**

NB: See the pictures attached on annexure A (C3, C4 and C5)

4.1 11 Point Plan – All in one poster with night reflection fixture (hard background plastic material)

- Dimension: 82cm x 110cm –x 150 Stickers

NB: See the picture attached on annexure A (C6)

4.2 Unauthorised Entrance Prohibited warning signs

- 100.6cm x 50.3cm – Chromadek Material- x 300

NB: See the picture attached on annexure A (C7)

4.3 Incomer supply stickers (Red background with white capital letters)

- 25cm x 25cm – Chromadek Material- x 100

4.3 Arc Flash Protection Labels, Chromadek material with night reflection fixture.

- 9cm x 15cm – Chromadek Material- x 300

NB: See the picture attached on annexure A (C8).

Detailed technical information will be provided separately

4. Plant areas to be executed in the Scope

- a) All the Signs installed at Camden, unit 1 to 8 and Offices and on the outside plants.
- b) EMD will install all the Electrical 11 point plan related stickers and posters at Camden Power Station.

NB: there are other signs that are not part of the scope that will be required

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5. Attachments

- Arc Flash Designs Presentation: Annexure A.

6. Acceptance

This document has been seen and accepted by:

Name	Designation
P Maniram	Controller operating
J Radebe	Snr Advisor Electrical Maintenance
Landiswa Mapukata	Snr Technician Common Plant Maintenance
Elliot Nhlapo	OHS Officer
John Nyambi	Fire Officer

7. Revisions

Date	Rev.	Compiler	Remarks
23 February 2023	01	S Bouwer	New Scope of work for Signs

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8. Development Team

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

None

9. Acknowledgement

N/A

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