

	Scope of Work	CAMDEN POWER STATION
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Alternative Reference Number:

Area of Applicability: **Camden Power Station**

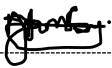



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1. Introduction

Maintenance and servicing contract is required to keep all the fire equipment at Eskom Camden Power Station at an acceptable condition as required by Occupational Health and Safety Act 85 of 1993, and South African National Standard 1475.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

To ensure that fire extinguishers are always kept in a good working condition and reliable in a case of fire. Proper maintenance ensures fire extinguishers remain a crucial line of defence against fires, protection of people, property, and assets.

2.1.2 Applicability

This document shall apply throughout Eskom Camden Power Station.

2.1.3 Effective date

The document will be effective from the authorisation date

2.2 Normative/Informative References

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] ISO 45001 Occupation Health and safety Management System.
- [3] ISO 14001 Environmental Management System.
- [4] Occupational Health and Safety Act (Act No. 85 of 1993).

2.2.2 Informative

- [1] SANS 10400: Standard for the Building Regulations
- [2] SANS 1475: Standard for Service and Maintenance of Extinguishers

2.3 Definitions

Definition	Description
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Fire Extinguisher	A fire extinguisher is a handheld active fire protection device usually filled with a dry or wet chemical used to extinguish or control small fires, often in emergencies.
Equipment Maintenance	Actions necessary for retaining or restoring a piece of equipment to the specified operable condition to achieve its maximum useful life.
Service	To perform routine maintenance or repair works.
Testing	An activity involving mental or physical effort performed to achieve a purpose or result.

2.3.1 Document:

N/A

2.4 Abbreviations

Abbreviation	Explanation
CO2	Carbon dioxide
DCP	Dry chemical powder
AFFF	Aqueous Film-Forming Foam concentrate 6%
PPV	Positive pressure ventilation

2.5 Roles and Responsibilities

Procurement Department

To ensure that the successful contractor is accredited and or registered with the following institutions:

- South African Bureau of Standards in terms of SABS 1475.
- The South African Qualification & Certification Committee for the Fire Industry (SAQCC).
- South African Bureau of Standards in terms of SABS 1737:2001.

Service Provider/ Contractor

- Shall use accredited workshop as per SABS 4175.
- All technicians shall obtain SAQCC certificate to be competent to perform any maintenance and

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service of fire extinguishers.

- To ensure that fire extinguishers are serviced and maintained as per the required standard.
- Ensure that fire extinguishers are collected in time for service and maintenance.
- Ensure that all collected fire extinguishers for service are counted properly.
- Ensure that removal permit is obtained during collection of fire extinguishers.
- Ensure that fire extinguishers are delivered back timeously to site after service and maintenance has been conducted.
- Any defect noticed while conducting service, to be brought to the attention of the contract manager immediately.
- All fire hose reels shall be serviced on site.

Contract 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.
- Ensure that task orders are created timeously for service required.
- Supply timeously new fire equipment as and when required by Eskom Camnden contract manager.

Fire Officer and Ass Fire Officer

- Identify all fire extinguishers that are due for service and maintenance. Inform the contract Manager to prepare a task order.
- Complete the Camden removal permit at security for the collection of fire extinguishers.
- Check fire extinguishers against task order and verify if service is done accordingly

2.6 Process for Monitoring

The contract's manager will conduct a monthly assessment to monitor work progress and compliance.

2.7 Related/Supporting Documents

N/A

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3. Document Content

3.1 Scope of Work

The scope of work comprises of the following,

- Periodically service and refill fire extinguishers.
- Periodically conduct pressure testing of fire extinguishers.
- Periodically service and test fire hose reels.
- Periodically perform reconditioning of fire equipment.
- Periodically conduct maintenance of fire equipment.

3.2 All required work and other things necessary to complete the item.

Specification of items and frequency:

Description	Frequency
Service and maintain 1 kg DCP extinguisher	Yearly
Service and maintain 1,5kg DCP extinguisher	Yearly
Service and maintain 2,5kg DCP extinguisher	Yearly
Service and maintain 4,5kg DCP extinguisher	Yearly
Service and maintain 9kg DCP extinguisher	Yearly
Service and maintain 50kg DCP extinguisher	Yearly
Service and maintain 2kg CO ₂ extinguishers	Yearly
Service and maintain 5kg CO ₂ extinguishers	Yearly
Service and maintain 50L Foam Trolley	Yearly
Service and maintain 30M fire hose reel	Yearly
Pressure test 50 kg DCP extinguishers	As & when required
Pressure test 1kg DCP extinguishers	As & when required
Pressure test 1,5kg DCP extinguisher	As & when required
Pressure test 4,5kg DCP extinguisher	As & when required
Pressure test 9kg DCP extinguisher	As & when required

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Pressure test 2kg CO ₂ extinguishers	As & when required
Pressure test 5kg CO ₂ extinguishers	As & when required
Refill and Recharge 1kg DCP extinguishers	As & when required
Refill and Recharge 1.5 kg DCP extinguishers	As & when required
Refill and Recharge 2.5kg DCP extinguishers	As & when required
Refill and Recharge 4.5kg DCP extinguishers	As & when required
Refill and Recharge 9kg DCP extinguishers	As & when required
Refill and Recharge 50kg DCP extinguishers	As & when required
Refill and Recharge 2kg CO ₂ extinguishers	As & when required
Refill and Recharge 5kg CO ₂ extinguishers	As & when required
Reconditioning of all DCP extinguishers 1 to 50kg	As & when required
Reconditioning of all CO ₂ extinguishers 2 to 5kg	As & when required
Repainting of fire extinguishers Cylinder	As & when required
Monthly inspection stickers for fire extinguishers	As & when required
Supply of fire extinguisher hooks DCP and Co2	As & when required
Supply first aid box plastic seals	As & when required
Service of Fire Hose Reel	As & when required
Monthly inspection stickers for fire doors	As & when required
Hydrostatic pressure testing for breathing Air cylinder	As & when required
Supply of new 25L of AFFF 6% or FFFP and tested according to EN 1568	As & when required
Supply of new fire extinguisher cabinets	As & when required
EXTINGUISHERS SPARES	
a. Valve assembly complete	As & when required
b. Pressure gauge	As & when required

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c. Syphon tube	As & when required
d. Discharge hose	As & when required
e. Valve seat	As & when required
f. Seal ring	As & when required
g. Instruction label	As & when required
h. Supply of fire extinguisher brackets when required	As & when required
CO₂ EXTINGUISHERS SPARES	
a. Valve assembly complete	As & when required
b. Safety disc	As & when required
c. Syphon tube	As & when required
d. Discharge horn	As & when required
e. Discharge hose	As & when required
f. Instruction label	As & when required
g. Monthly inspection label	As & when required
Spares for foam trolleys	
a. Foam trolley lid	As & when required
b. Foam trolley wheels	As & when required
c. Inline inductor	As & when required

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Grace Mandlazi	Technical Support
Koena Moabelo	Assistance Fire Officer

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5. Revisions

Note: Start with the latest Revision History in the first row and go backwards.

Date	Rev.	Compiler	Remarks
May 2025	6	J Nyambi	Removal of the provision of new fire extinguishers, hose reels, foam branch, yellow trolley etc
March 2025	5	J. Nyambi	Added provision of new fire equipment e.g., fire hoses, branches, and foam.
February 2023	4	S. Bouwer	Made Changes on page 4 to 8 and edited Table
June 2022	3	S. Bouwer	Additional scope
June 2021	2	G. Mandlazi	Made changes on page 1, new signatories, page 4 and included table on page 6 to 7
March 2018	1	AA. Simelane	Original document

6. Development Team

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

- None

7. Acknowledgements

Tondani Nemutudi

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