 Eskom	Scope of Work	Camden Power Station
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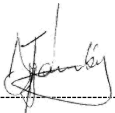


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1. Introduction

Coal-fired Power stations employ various industrial processes with high levels of inherent risks that could result in a wide range of emergency incidents should safety and prevention barriers fail. These emergency incidents could vary from insignificant to critical, and even catastrophic, events during which times they threaten not only occupants of the power station but also members of the public under certain conditions. Damage to plant, equipment, property and other critical infrastructure may result with widespread potential of disruption due to the nature of some of the processes, equipment and materials stored and handled. Disruptions to production as a result of such incidents are a threat to a stable national grid at times when the national grid is under severe pressure.

2. Supporting Clauses

2.1 Scope

This document sets out the detailed user Scope of Work requirements necessary for the supply of Fire, Rescue & Emergency Medical Services at Camden power station. The objective of an emergency preparedness and response initiatives is to prevent and reduce loss of life, destruction of property and harm to the environment. The control and effective management of risks that arise due to emergencies, which require an effective response with adequate emergency resources readily available on a 24-hour basis.

2.1.1 Purpose

The purpose of this document is to define a User Scope of Work requirements based on which a long term service contract will be established between Camden Power Station and Service Provider for Fire, Rescue, Hazmat and Emergency medical service. Through this scope of work, Camden Power Station seek to comply with Eskom Corporate Standard 32-124 Eskom Fire Risk Management and Generation Division Standards 240-126468603 Operational Standard for Fire Management in Generation for Fire Risk Management, to reduce fire and emergency related risks to people, plant and power generation processes.

2.1.2 Applicability

This document shall apply throughout Eskom Camden Power Station.

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2.1.3 Effective date

The date the document is signed by the GM

2.1.4 Normative References

ISO 9001 Quality Management Systems.

- [2] ISO 45001: 2018 Occupational Health and Safety Management Systems Informative, Requirements.
- [3] ISO 14001 Environmental Management Systems, Requirements with guidance for use.
- [4] 99/1987 National Fire Act.
- [5] 102/1980 National Key Point Act.
- [6] 107/1998 National Environmental Management Act.
- [7] 101/1999 Veld and Forest Fire Act.
- [8] 57/2002 Disaster Management Act.
- [9] 16/2015 Disaster Management Amendment Act.
- [10] Regulation 1320 of December 2017 - Emergency Medical Service Regulations.
- [11] 32-123 Eskom Standard for Emergency Planning.
- [12] 32-128 Technical Specification on Personal Protective Clothing and Equipment for Firefighters.
- [13] 240-46315409 Eskom Procedure: Management of Major Occurrences.
- [14] 240-126467668 Operational Standard for Inspection, Testing Of Fire and Rescue Non-Plant Equipment.
- [15] 240-126467640 Operational Standard for Fire Fighting Training in Generation.
- [16] 240-126468603 Operational Standard for Fire Management in Generation.
- [17] Occupational Health and Safety Act 85 of 1993

2.1.5 Informative References

NFPA 1600 Standard on Disaster/Emergency Management and Business Continuity Programs.

- [2] NFPA 600: NFPA 600 Standard on Industrial Fire Brigades.
- [3] NFPA 850: Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations.
- [4] National Key Points Act (Act No. 47 of 1985).
- [5] Disaster Management Act (Act No. 57 of 2002).
- [6] National Health Act (Act No. 61 of 2003).

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[7] Emergency Medical Services Regulations Government Gazette 38775 R-413 dated 8 May 2015.

[8] Health Professions Act (Act No. 56 of 1974).

[9] National Road Traffic Act (Act No. 93 of 1996).

[10] Fire Brigade Services Act (Act No. 99 of 1987).

[11] National Building Regulations and Building Standards Act (Act No. 103 OF 1977).

[12] National Veld and Forest Fire Act (Act No 101 of 1998).

[13] Hazardous Substances Act (Act No. 15 of 1973).

2.2 Definitions

None

2.3 Abbreviations

Abbreviation	Explanation
AEA	Advance Emergency Assistant
BAA	Basic Ambulance Assistant
HIRA	Hazardous Identification and Risk Assessment
IC	Incident Commander
PrDP	Professional Driver Permit

2.4 Required Resources

2.4.1 Supervisor

- a) One Team Member appointed as Supervisor with the following training & experience:
- b) Grade 12 or equivalent
- c) Incident Commander Course
- d) Industrial Advance Fire Fighting and Fire-Fighter 1 & 2
- e) HPCSA Registered AEA (Intermediate Life Support)
- f) Rope Rescue 2
- g) With 3 years related experience in:
 - Industrial Fire Fighting
 - As an AEA
 - As an incident commander
 - Veld and Wildland fires coordinator
 - Confined space rescue and vehicle extrication
- h) Hazmat Awareness, Operations and Technician

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- i) Confined space rescue training
- j) Supervisory skills
- k) Knowledge of Emergency response procedure
- l) Vehicle extrication
- m) Code C Drivers Licence (or higher) & valid PrDP
- n) Report writing skills
- o) Computer literate
- p) Incident investigation training & skills
- q) Risk assessment training including fire risk assessment
- r) Communication skills
- s) Mentoring & coaching skills
- t) Incident Commander / Captain
- u) HIRA (Hazardous Identification and Risk Assessment)
- v) Pump driver operator course

2.4.2 Team Leaders

- a) At least two team members appointed as team Leaders with the following training & experience:
 - b) Grade 12 or equivalent
 - c) Incident Commander Course
 - d) Industrial Advance Fire Fighting or Fire-Fighter 1 & 2
 - e) Rope Rescue 2
 - f) Pump Operator Course
 - g) HPCSA Registered AEA (Intermediate Life Support)
 - h) With 3 years related experience in:
 - Industrial Fire Fighting
 - As a AEA
 - As an incident commander
 - Veld fires
 - Confined space rescue and vehicle extrication
 - i) Hazmat Awareness , Operations and Technician
 - j) Confined space rescue training
 - k) Vehicle extrication
 - l) Code C Drivers Licence & valid PrDP
 - m) Report writing skills
 - n) Computer literate
 - o) Knowledge of Emergency response procedure

2.4.3 Fire Fighters/First Aiders/Rope & confine space Rescuers

- a) A Nine (9) members appointed as fire fighters, first aiders/people rescuer with at least the following training and experience:
 - b) Grade 12 or equivalent
 - c) Industrial Advance Fire Fighting and Fire-Fighter 1 & 2
 - d) HPCSA Registered AEA (Intermediate Life Support) or BAA (Basic Ambulance Assistance)

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- e) Hazmat Awareness, Operations and Technician
- f) Confined space rescue training
- g) Vehicle extrication
- h) Code C1 Drivers Licence & Valid PrDP
- i) Veld and Wildland fire management experience
- j) Rope Rescue 2
- k) With 1 years related experience in:
 - Industrial Fire Fighting
 - As a AEA or BAA
 - Veld and Wildland fires management
- l) Confined space rescue and vehicle extrication
- m) Pump Driver operator course

2.4.4 Trainee Fire Fighters/First Aiders/Rope & confine space Rescuers

2.4.4 One member appointed as trainee fire fighter with the following:

Fire 1 and 2, hazmat awareness and operational, BAA and Driver's license with PDP

3. Roles and responsibilities

3.1 Respond to emergencies

- a. Respond emergency medical emergencies
- b. Respond to Firefighting and hazmat incidents including but not be limited to:
 - Drive and operate emergency vehicles. (Fire truck, Ambulance and Emergency & Rescue Vehicle).
 - Engage in structural firefighting, petrochemical / industrial firefighting and grass / veld fires.
 - Engage in hazardous material spillages and releases to control, contain and mitigate harmful exposure to people and the environment.

3.2 Fire Prevention & Fire Safety Services

- a. Conduct daily plant fire prevention and fire safety inspections using structured check sheets supplied by the Employer.
- b. Conduct visual inspection of fixed fire protection systems, passive fire protection systems and portable fire equipment on scheduled frequencies. Report defects and safety deviations and rise defects with the Employer.
- c. Assist with fire safety and prevention awareness campaigns.
- d. Conduct fire prevention and rescue standby duties during high risk plant conditions and hot work activities as-and-when required.

3.3 Ensure emergency response Operational readiness

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- a. Daily station routines, per shift shall include inspection, operational testing, cleaning and basic frontline maintenance as follows:
 - Ensure operational condition of fire response vehicles
 - Fire Station working areas and emergency fire, rescue, hazmat and medical equipment are in operational condition
 - Emergency medical equipment and consumables used on the fire engine have not reached expiring dates.
- b. Maintain emergency vehicles and equipment in a clean and operational conditions at all times.
- c. Conduct special services as-and-when required to limit risk and damage to people, plant and processes.
- d. Conduct monthly fire, rescue, hazmat and medical care skills training and/or scenario training with own contracted employees.
- e. Conduct fire training with Camden ERT's shifts on a four hours per month basis which could include classroom, practical and/or scenario training.
- f. Participate in Camden Power Station emergency drills.
- g. Eskom Generation Camden Power Station will supply fully equipped medium pumper fire engine.
- h. Eskom Camden Power Station will supply fully equipped veld fire skid unit vehicle.
- i. Eskom Camden Power Station shall be responsible for all scheduled maintenance of operational fire and hazmat vehicles and the respective fire and emergency equipment.

3.3.1 Service Provider

The Service Provider is required to provide Fire, Rescue and Emergency Medical Services through contracting professional trained employees at Camden Power Station. These employees must be available 24 hours a day, seven days a week over a three-year period.

3.4 Process for Monitoring

The following process and monitoring tools will be used for the duration of the contract

- 1) Task order detailing the task to be done for the specific month
- 2) Task and Assessment to be conducted on the 25th of each month in line with the task order

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4. Document Acceptance (Stakeholders)

This document has been seen and accepted by:

Name	Designation
Katlego Masha	Snr Advisor Fire Risk Mng – Kusile P/S
Primrose Soko	Occupational Health Nurse
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5. Revisions

Date	Rev.	Remarks	Compiler
21 February 2022	03	Added the roles and responsibilities on page 7 to 8	John Nyambi
13 September 2021	02	Due for review date	John Nyambi
13 September 2018	01	Original issue	AA Simelani

6. Development Team

Katlego Masha

7. Acknowledgements

N/A

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