

	<p style="text-align: center;">Scope of work</p>	<p style="text-align: center;">Risk and Assurance</p>
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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 seen as 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, Search Rescue services at Generation Kendal 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 requirement based on which 18 months service contract will be established between Generation Division, Kendal Power Station Fire and Rescue Services Provider. Through this scope of work, Kendal 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 be applicable to the Emergency Preparedness Centre, Fire Departments and MOU associated with Kendal Power Station.

2.1.3 Effective date

The document will be effective from the authorisation date.

2.2 Normative/Informative References

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

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2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] Occupational Health and Safety Act 85 of 1993.
- [3] ISO 14001:2015 Environmental Management systems and guidance for use.
- [4] ISO 45001:2018 Occupational Health and Safety Management Systems.
- [5] 32-124 Eskom Fire Risk management.
- [6] 32-391 Eskom Integrated Risk Management.
- [7] 32-256 Emergency Response Procedure – Communications.
- [8] 32-123 Eskom Emergency Planning Policy.
- [9] 32 -84 Eskom Security Risk Management Procedure.
- [10] 240-88303218 Kendal Power Station Occupational Health.
- [11] 32-727 Eskom SHEQ Policy.
- [12] 240-126468603 Fire Management Standard.
- [13] 240-126467640 Fire Fighting Training Standard.
- [14] 240-126467668 Fire Fighting Equipment Standard.

2.2.2 Informative

- [15] National Key Points Act (Act No. 47 of 1985).
- [16] Disaster Management Act (Act No. 57 of 2002).
- [17] National Health Act (Act No. 61 of 2003).
- [18] Emergency Medical Services Regulations Government Gazette 38775 R-413 dated 8 May 2015.
- [19] Health Professions Act (Act No. 56 of 1974).
- [20] National Road Traffic Act (Act No. 93 of 1996).
- [21] Fire Brigade Services Act (Act No. 99 of 1987).
- [22] National Building Regulations and Building Standards Act (Act No. 103 OF 1977).
- [23] National Veld and Forest Fire Act (Act No 101 of 1998).
- [24] Hazardous Substances Act (Act No. 15 of 1973).
- [25] NFPA 1600 Standard on Disaster/Emergency Management and Business Continuity Programs.
- [26] NFPA 600: NFPA 600 Standard on Industrial Fire Brigades.

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2.3 Definitions

Table: 1 Important Definitions

Term	Definition
Disaster Management	<p>The process of planning and implementation of measures undertaken by individuals, the Kendal Power Station's Emergency Response Team and other collaborative organisations aimed at:</p> <ul style="list-style-type: none"> • Preventing or reducing the risk of fire and related disasters. • Mitigating the severity or consequences of fire and related disasters. • Emergency preparedness; and • A rapid and effective post-disaster recovery and rehabilitation plan
Emergency	<p>An emergency is an abnormal situation that is beyond the normal control measures available and requires coordinated and combined efforts of teams and people to return to a normal situation again.</p>
Emergency Operations Centre	<p>The centre or place specially equipped for the co-ordination, directing and application of effective management control during emergency operations.</p>
Emergency Preparedness	<p>The pre-planning, and actions and activities aimed at minimising the consequences of emergency situations affecting human life, assets, environment at Kendal Power Station and immediate surroundings.</p>
Environment	<p>The surroundings within and outside the Kendal Power Station physical boundaries that are made up of:</p> <ul style="list-style-type: none"> • The land, water and atmosphere of the earth. • Micro-organisms, plant and animal life. • Any part or combination of (a) and (b) and the interrelationships among and between them; and • The physical, chemical, aesthetic, cultural properties and conditions of the foregoing that influence human health and wellbeing.
Incident Commander	<p>A person with specific knowledge of the emergency who will be in charge at the scene of an emergency.</p>
National Key Point	<p>Any place or area which laws under section 2 of (act 102 of 1980) been declared a National Key Point.</p>
Partner	<p>Any contractor, supplier or service provider rendering services to or on behalf of the Kendal Power Station. Note that where the term contractor is used it will mean the same in terms of this document.</p>

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2.4 Abbreviations

Abbreviation	Explanation
ALS	Advanced Life Support
BLS	Basic Life Support
EMS	Emergency Medical Services
EPP	Emergency Preparedness Plan
ER	Emergency Response
ERT	Emergency Response Team
FPCSA	Fire Professions Council of South Africa
GM	General Manager
HAZMAT	Hazardous Materials
HPCSA	Health Professions Council of South Africa
IFE	Institution Fire Engineers
ILS	Intermediate Life Support
Km	Kilometre
NFPA	National Fire Protection Association
SAESI	South Africa Emergency Services Institute
SHE	Safety, Health and Environment

2.5 Roles and Responsibilities

2.5.1 The Service Provider

The Service Provider is required to provide overall Fire and Rescue services through contracting professional trained employees at Generation Kendal Power Station. These employees must be available 24 hours a day, seven days a week over 18 months period. The Service Provider is responsible to overall managing and responding to Fires, Search and Rescues Services that may occur at Generation Kendal Power Station and within 15 KM Radius from Kendal Power Station.

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2.5.2 Contractor Manager

- Contractor Manager must vet and approve all contracted employees in accordance with the qualifications and competencies provided in Annexure A of this scope of work.
- All contractor employee's curriculum vitae must be vetted and approved by the Generation Kendal Contract Manager prior to any contractor employee commencement of duty at Kendal Power Station.
- During the period of the service contractor, all new employees will be bound by this requirement, and such new employee may only commence site work once approved by the Generation Kendal Contract Manager.

2.6 Process for Monitoring

The Employer through the Service Provider Base Manager will hold formal weekly meetings to measure performance on an ongoing basis. Regular reviews and audits shall be conducted to evaluate compliance of the content of this document. The SAP Plant Equipment Maintenance Management System shall be used to track or assess the scheduled inspection of equipment.

2.7 Related/Supporting Documents

32-727 Eskom SHEQ Policy and 32-123 Eskom Emergency Preparedness Plan.

3. Service Contract Scope of work

3.1 Package Scope

The Service Provider is required to provide a Fire Search and Rescue Services at Generation Kendal Power Station for a period of 18 months. The team should comprise of twenty-Five (25) members officially appointed. Members must be qualified and maintain a valid certificate of competent emergency personnel and must be available 24hours a day, seven days a week to prepare for emergency response and to manage any emergencies that may occur at Kendal Power Station and within a 15 Km radius surrounding the Kendal Power Station located in Emalahleni. The scope of work contained herein to be delivered as follows:

- a. Firefighting, Search & Rescue services and Hazmat response services, Rope Rescue services and Snake Handling services.

3.2 The Scope comprises of the following but not limited to:

Operations must be provided on a 24-hour operation, 7 days a week basis, inclusive of a standby shift which will respond to Kendal Power Station afterhours in no more than 30 minutes. These arrangements must be in line with Basic Conditions of Employment Act.

Services to be rendered at, and on behalf of Generation Kendal Power Station to include:

- a. Fire Fighting.
- b. Fire Safety and Prevention Services.
- c. Emergency Rescue (Trench Rescue, Confined Space Rescue, High Angle Rescue, Machinery Rescue, etc.).

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d. Respond to Mutual Aid Partners when called for assistance (as and when required). The number of qualifications and competencies of the contracted employees must be complied with the requirements laid out in Annexure A.

3.2.1 Fire Fighting

- a. Contract personnel must be trained in the following fire and HAZMAT competencies:
 - Fire Fighter 1 and 2
 - HAZMAT Awareness and Operations
 - First Aid Level 3
 - Valid Code C1 drivers' license with PrDP
- b. In addition to the above, additional fire training requirements includes:
 - Pump Operators (four per shift)
 - Hazmat Technician (two per shift)
 - Incident Commander (two per shift – Shift Supervisor / Team Captain and Deputy Team Captain)
 - Rope Rescue
 - Snake Handling
- c. Eskom requires that firefighting training certification must be recognised by any of the following institutes:
 - International Fire Services Accreditation Congress IFSAC
 - South African Qualification and Certification Committee (SAQCC) or
 - South African Qualifications Authority (SAQA).
- d. The Service Provider shall supply all the necessary station uniform and fire and rescue PPE for their personnel e.g. (uniforms, safety gear, bunker gear NFPA certified or equivalent) as per the Eskom 32-128 - Fire Fighting PPE Standard for Firefighters.
- e. Daily station routines, per shift shall include inspection, operational testing, cleaning and basic frontline maintenance as follows:
 - Ensure operational condition of fire response vehicles and HAZMAT trailer.
 - 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.
 - Ensure that all emergency vehicles and equipment are always kept clean and fully operational.
- f. Firefighting and hazmat services shall typically include but not be limited to:

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- Drive and operate emergency vehicles. (Fire Engine and 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.
 - Conduct special services as-and-when required to limit risk and damage to people, plant and processes.
- g. Conduct monthly fire, rescue, hazmat and medical care skills training and/or scenario training with own contracted employees.
- h. Conduct fire training with Kendal ERT's shifts on a four hours per month basis which could include classroom, practical and/or scenario training.
- i. Participate in Kendal Power Station emergency drills.
- j. Eskom Generation Kendal Power Station will supply fully equipped medium fire engine.
- k. Eskom Generation Kendal Power Station will supply fully equipped veld fire skid unit vehicle.
- l. Eskom Generation Kendal Power Station will supply fully equipped HAZMAT Trailer.
- m. Eskom Generation Kendal Power Station shall be responsible for all scheduled maintenance of operational fire and hazmat vehicles and the respective fire and emergency equipment.

3.2.2 Fire Safety and Prevention 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 inspections, Hot work approval and monitoring, fire systems impairment monitoring and rescue standby duties during high-risk plant conditions as-and-when required.

3.2.3 Respond to Mutual Aid Partners (when called for assistance)

- a. Kendal Power Station has several Mutual Aid Partners with whom a mutual aid agreement is in place for management of emergencies. The Service Provider is to render a service free of charge to the formal Mutual Aid Partners of Kendal Power Station as part of this agreement. It should be noted that the call for assistance is at irregular frequency and only on an as-and-if required basis. Each Mutual Aid Partner is expected to have minimum and similar response capability as Kendal Power Station.

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3.3 Technical Acceptability

Eskom will reserve the right, not to consider any tender that:

- a. Is not compliant with the scope of work.
- b. Do not return the supporting documents that are stated as gatekeepers to qualify for the tender evaluation process to continue.
- c. Does not provide sufficient information for Eskom to evaluate the tenderer's ability to comply with Safety, Health, Environmental and Quality requirements of the tender.
- d. Meet technical and commercial requirements, which shall be clearly marked and indicated as tender returnable in the tender invitation. Tenders not complying with these requirements shall not be evaluated.

3.4 Tender Requirements

- a. Proposal is to be submitted by the tenderers for the mentioned scope of work.
- b. Hereafter a contract shall be negotiated with the successful tender participant.
- c. The appointment of the successful Service Provider is at Eskom (Employer) sole discretion considering the factors, which Eskom considers relevant.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Karlheinz Von Bentheim	Middle Manager Risk and Assurance
Nompilo Dlamini	Senior Advisor Occupational Hygiene & Safety Manager
Miriam Lekgoane	Senior Advisor Occupational Health
Solly Chokoe	Environmental Manager

5. Revisions

Date	Rev.	Compiler	Remarks
August 2025	N/A	T. Mojela	New scope of work

6. Development Team

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

- Karlheinz Von Bentheim
- Tshianejo Mojela

7. Acknowledgements

Not applicable.

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Appendix A – Minimum Staffing Levels, Qualifications and Competencies

A.1 Document Hierarchy

Position	Quantities	Shifts	Qualifications & Competencies
Base Manager	1	Monday to Friday (07:00 to 16:30)	<ul style="list-style-type: none"> ➤ National Diploma Fire Technology (NQF 6) or Higher Certificate. ➤ Grade 12 <u>or</u> equivalent ➤ Incident Command Course ➤ Fire Fighter 1 ➤ Fire Fighter 2 ➤ Hazmat Awareness ➤ Hazmat Operations ➤ Fire Instructor 1 ➤ Hazard identification and risk assessment (HIRA) ➤ Pump operator ➤ Rope Rescue 2 ➤ Vehicle extrication ➤ Confined space rescue training ➤ At least two (2) years' experience in a managerial role ➤ Drivers Licence Minimum 10(C1) with PrDP ➤ Computer literate (Microsoft Office) ➤ Knowledge of Occupational health and safety act 85 of 1993 requirements ➤ Knowledge of Emergency Preparedness and Response Plan ➤ Communication skills ➤ Mentoring & coaching skills
Team Captain / Shift Supervisor	4	24hr/7days	<ul style="list-style-type: none"> ➤ Grade 12 or equivalent ➤ Incident Command Course ➤ Firefighter 1 & 2 with three (3) years' experience ➤ Hazmat Awareness and Operation ➤ Pump operator ➤ Rope Rescue 1&2 ➤ Vehicle extrication

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			<ul style="list-style-type: none"> ➤ Confined space rescue training ➤ Drivers Licence Minimum Code 10 (C1) with PrDP
Emergency Response Team members	20	24hr/7days	<ul style="list-style-type: none"> ➤ Grade 12 or equivalent ➤ Fire Fighter 1 ➤ Fire Fighter 2 ➤ Hazmat Awareness ➤ Hazmat Operations ➤ Rope Rescue ➤ Vehicle extrication ➤ Medical level 3 ➤ Drivers Licence Minimum Code 10(C1) with PrDP
Total per shift	6		
Total per Contract	25		

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