

	Scope of Work	Tutuka Power Station
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Title: **TUTUKA POWER STATION FIRE & RESCUE SERVICES: SCOPE OF WORK**

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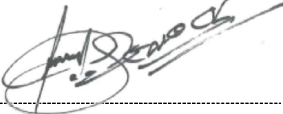
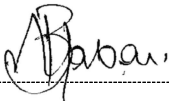
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1. Introduction

Firefighting and Rescue Services is required to respond to any fires, rescue emergencies and hazmat incidents at Eskom Tutuka Power Station Generation Division, Mpumalanga according to Fire Brigade Service Act 99 of 1987, Occupational Health and Safety Act 85 of 1993, National Environmental Management Act 107 of 1998 and Disaster Management Act 57 of 2002 for a period of Five (5) years.

2. Supporting Clauses

2.1 Scope

This document sets out the detailed user Scope of Work requirements necessary for the Supply of Fire & Rescue Services at Tutuka Power Station.

2.1.1 Purpose

The purpose of this contract is to provide professional firefighting and rescue services at the Power Plant to protect personnel, property, and the environment from fire and other emergencies. The Contractor shall ensure rapid, efficient, and effective emergency response in accordance with regulatory standards, industry best practices, and the Tutuka's site-specific requirements.

2.1.2 Applicability

This document shall be applicable to the Tutuka Power Station its service providers.

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.

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] ISO 45001 Occupational Health and Safety Management Systems Informative, Requirements
- [3] ISO 14001 Environmental Management Systems, Requirements with guidance for use

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- [4] 200-11303 Tutuka Health, Safety and Environmental Management Policy
- [5] 32-123 Eskom Standard for Emergency Planning
- [6] 99/1987 National Fire Brigade Act
- [7] 107/1998 National Environmental Management Act
- [8] 101/1999 Veld and Forest Fire Act
- [9] 57/2002 Disaster Management Act

2.2.2 Informative

- [10] 240-46315409 Eskom Procedure: Management of Major Occurrences
- [11] 102/1980 National Key Point Act
- [12] Municipal Systems Act: Municipality Emergency Services By-Laws

2.3 Definitions

Term	Definition
Emergency	An emergency is an abnormal situation that is beyond the normal control measures available and requires coordinated and combined efforts of teams of people to return to a normal situation again.
Disaster Management	The process of planning and implementation of measures undertaken by individuals, the Tutuka Project Team's Emergency Response Team and other collaborative organisations aimed at: • preventing or reducing the risk of disasters. • mitigating the severity or consequences of disasters. • emergency preparedness; and • a rapid and effective post-disaster recovery and rehabilitation plan
Emergency Preparedness	The pre-planning, and actions and activities aimed at minimising the consequences of emergency situations affecting human life, assets, environment at the Tutuka Power Station
Environment	The surroundings within and outside the Tutuka Power Station physical boundaries that are made up of: • 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 well being

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Term	Definition
Emergency Operations Centre	The centre or place specially equipped for the co-ordination, directing and application of effective management control during emergency operations
National Key Point	Any place or area which has under section 2 of (Act 102 of 1980) been declared a National Key Point
Partner	Any contractor, supplier or service provider rendering services to or on behalf of the Tutuka Power Station. Note that where the term contractor is used it will mean the same in terms of this procedure.

2.3.1 Document:

N/A

2.4 Abbreviations

Abbreviation	Explanation
BLS	Basic Life Support
MOU	Memorandum of Understanding
SSC	Submissible Scrap Conveyor

2.5 Roles and Responsibilities

The Supplier is required to place Fire Rescue & Emergency capability employees at Tutuka Power Station; these employees must be available 24 hours daily per year for any emergencies that may occur at the Tutuka Power Station relevant areas in Mpumalanga Province. MOU (Majuba Power Station, Camden Power Station, and Seriti mine). The supplier must comply with the OSH Act and Eskom Health Safety, Eskom Generation Fire Regulations and Environmental Policies.

2.6 Process for Monitoring

Regular reviews and Audit shall be conducted for the compliance of the content of this document. The monthly assessment shall be used to track or assess the Monitoring of Equipment and statistics.

2.7 Related/Supporting Documents

14EPPRARL-001 Tutuka Power Station Emergency Preparedness and Response work instruction

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3. Document Content

3.1 Package scope

The Supplier is required to place Fire & Rescue Services employee's (25) capability at Tutuka Power Station, these employees must be available 24 hours daily for any fire and rescue emergencies that may occur at the Tutuka Power Station and relevant areas within the Mpumalanga Province. The scope comprises of the following but is not limited to:

- a. Emergency Rescue (Trench Rescue, Confined Space Rescue, High Angle Rescue).
- b. Fire Fighting.
- c. SSC Activities
- d. Back up support to other related stake holders
- e. Natural Disasters.

3.2 Scope of work

Supply Fire and Rescue Services

3.2.1 Executive Overview of the Scope

The team is to comprise of twenty-five (25) members officially appointed in the duties listed below. Members must be qualified and maintain a valid certificate of competency for the following:

Base Manager

- At least one (1) team member appointed as Base Manager with the following training
- 5 Years' experience in a supervisory position
- Grade 12 or equivalent
- Registered Fire Fighter 1 & 2 (SAESI)
- Registered Hazmat Awareness, Operations (SAESI)
- Pump operator
- Rope Rescue 2
- Vehicle extrication
- Code C Drivers Licence & PrDP
- Computer literate (Microsoft Office)
- Report writing skills
- Knowledge of Occupational health and safety act 85 of 1993 requirements
- Knowledge of Emergency Preparedness and Response Plan

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- Communication skills
- Mentoring & coaching skills

Shift Supervisor

At least four (4) team members appointed as Shift Supervisors with the following training & experience:

- Grade 12 or equivalent
- Registered Fire Fighter 1 & 2 (SAESI)
- Registered Hazmat Operational Level (SAESI)
- Pump operator
- Rope Rescue 2
- Vehicle extrication
- BLS/ Level 3 First Aid
- Code C/EC Drivers Licence & PrDP
- Computer literate
- Report writing skills.
- Confined space rescue training

Firefighters/EMT

At least sixteen (20) members appointed as firefighters with at least the following training and experience:

- Grade 12 or equivalent
- Registered Fire Fighter 1 & 2 (SAESI)
- Registered Hazmat Awareness and Operations (SAESI)
- Rope Rescue 1
- Vehicle extrication
- Minimum First Aid Level 3, BAA will be advantageous
- Code C1/C Drivers Licence & PrDP

Provision of Equipment

- Listed firefighting equipment

3.2.2 Scope of works

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The Contractor/Supplier will respond to all fire and rescue emergency related incidents at Tutuka Power Station site, Eskom owned properties in region and on 'as and when' required basis, and to be on scene within 10 minutes of notification of incident. Provide 24 hours and, a seven (7) days service, by working from 07:00 in the morning to 19:00 on a shift system. The shift system shall consist of four (4) shifts (Shift-A, Shift-B, Shift-C and Shift-D) Shift- A will be working seven (7) days on day.

Shift-B 7 days on night shift while shift C and D are off. After seven days Shift-D and C will come in and relieve Shift A and B. The base supervisor will be working five (days) weekly and off weekends. The scope covers the response to the entire emergency related incidents including road accidents within a 10 km radius of the Power Station. And other special services such as

- Drive and operate Emergency vehicles. (Fire truck and other Rescue Vehicles)
- Assist with the investigation of all emergency related incidents.
- Coach emergency response teams and conduct awareness training to all Tutuka Power Station employees including service providers on basic firefighting. Inspect all emergency equipment and
- emergency response vehicles on site as per Tutuka Power Station requirements on a formalised
- preventive maintenance (PM) schedule.
- Report any deviation or violation affecting operability or performance of the fire protection systems and portable firefighting equipment as noted during visual inspections.
- Inspect and monitor all hot work being conducted in the plant.
- Comply with all Eskom and Tutuka Power Station Documented information (procedures and work instructions.)
- Assist the neighbouring Power Stations if required for emergencies.
- Perform assist in the execution of emergency drills.
- Assist in the site medical centre as and when required.
- If need arise, transport patient/s to the nearest local and private hospitals around Standerton.
- For each incident respondent to make lessons learnt case study and present it to meetings
- Perform other special services activities as and when required by the power station.
- Render services to the local communities around Tutuka Power Station without
- charge, as part of the SD&L requirements

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Team Composition

NO	Required Skill	QTY	Area of Responsibility
1	Base Manager	1	Responsible for day to day running of operations in the station
2	Shift Supervisor 4	4	Responsible for the effective running of the shift on duty
3	Firefighters	20	Responsible for responding to emergencies and conducting relevant inspections.

Total - 25

3.3.3 Fire Fighting

- All the contract personnel per shift must be trained to a level of fire fighter two and hazmat operational except those specified to have additional courses.
- Maintain a fully equipped fire response team onsite or on standby.
- Respond to all fire alarms and emergency situations promptly, per pre-defined response plan and times.
- Comply fire suppression, containment, and evacuation procedures.
- Coordinate with plant management, security, and local emergency services when required.
- The contractor will supply the entire necessary PPE for the personnel e.g. (uniforms; safety gear; bunker gear NFPA and UN certified).

3.3.4 Fire Prevention and Preparedness

- Conduct risk assessments and identify potential fire hazards within the plant.
- Implement fire prevention strategies, including inspection of equipment, storage areas, and hazardous materials.
- Provide training and awareness sessions for plant staff on fire safety procedures, including fire extinguisher usage and evacuation protocols.

3.3.5 Emergency Rescue Operations

- Patient Assessment in Rescue Medical Care, Common Medical conditions, and injuries identify, Patient packaging and litter evacuation (First Aid level 3/BLS)

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- Provide **first aid and casualty management** until medical services arrive ((First Aid level 3/BLS))

3.3.6 SSC (Submissible Scrap Conveyor) Activities

Perform the activity of removing ash from the ash box, slope and the Grizzley ash conveyors by utilizing water from the fire hydrant with fire hoses. Occasionally the activity is conducted by two/three personnel.

3.3.7 Natural Disasters

The supplier needs to have a contingency plan in place for necessary recourses on Epidemic and Pandemic's e.g., relevant PPE, decontamination equipment, screening equipment, vaccinations compliance.

3.3.8 Inspections

- Inspections to be carried out on a Daily, Weekly and Monthly basis and the following is to be checked: Condition of Offices, Response vehicles, Fire vehicles and working areas and equipment are to be check that they are still intact, gauges to be checked that pressure is still within range.
- Inspection on fire extinguishers, sprinkler valves, fire doors to ensure that they are in a state for use in case of emergency.
- Execute PM's (Planned Maintenance) inspections as per schedule.
- Participate in all station events as and when required and provide necessary assistance required.

3.3 Technical acceptability

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

- Is not compliant with the scope of work.
- Do not return the supporting documents that are stated as gatekeepers to qualify for the tender evaluation process to continue.
- 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.
- Must meet technical and commercial questions which shall be clearly marked and indicated as tender returnable in the tender invitation. Tenders not complying with these requirements shall not be evaluated.
- The Suppliers Company must have more than three (3) years' experience in a field of Firefighting and Rescue Services.
- CVs of personnel must be attached.

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3.4 Tender Requirements

- A proposal is to be submitted by the tenderers for the mentioned scope of work.
- Hereafter a contract shall be negotiated with the successful service provider.
- 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
Lameck Nyakane	Manager: Risk & Assurance Manager
E Sindane	Manager: Fire & Emergency Risk Management

5. Revisions

Date	Rev.	Compiler	Remarks
August 2025	2	N Nkomo	New document

6. Development Team

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

- N Nkomo
- J Ditshego
- E Sindane

7. Acknowledgements

N/A

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