

	Scope of Work	Medupi Power Station
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1. Introduction

Fire Emergency Medical Services is required to respond to any fires, medical calls and hazmat incidents at Eskom Medupi Power Station Generation division, Lephalale 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.

2. Supporting Clauses

2.1 Scope

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

2.1.1 Purpose

The purpose of this document is to define a User Scope of Work requirement based on which a service contract will be established between the Eskom Medupi Power Station and the Fire Rescue and Emergency Medical Service Provider.

2.1.2 Applicability

This document shall be applicable to the Emergency Operational Centre, Fire Departments and MOU associated with Medupi 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.

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
- [4] 200-11303 Medupi 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

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[8] 101/1999 Veld and Forest Fire Act

[9] 57/2002 Disaster Management Act

[10] 16/2015 Disaster Amendment Act

2.2.2 Informative

[1] 200-38424 Medupi Project Team's Health and Safety Management system Manual

[2] 240-46315409 Eskom Procedure: Management of Major Occurrences

[3] 102/1980 National Key Point Act

[4] 32/2000 Municipal Systems Act: Waterberg District Municipality Emergency Services By-Laws

2.3 Definitions

Term	Definition
Disaster Management	The process of planning and implementation of measures undertaken by individuals, the Medupi Project Team's Emergency Response Team and other collaborative organisations aimed at: <ul style="list-style-type: none">• 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	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.
Emergency Operations Centre	The centre or place specially equipped for the co-ordination, directing and application of effective management control during emergency operations
Emergency Preparedness	The pre-planning, and actions and activities aimed at minimising the consequences of emergency situations affecting human life, assets, environment at the Medupi Power Station
Environment	The surroundings within and outside the Medupi Power Station physical boundaries that are made up of: <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 well being

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Term	Definition
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 Medupi 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
ALS	Advanced Life Support
BU	Business Unit
DPM	Discipline Project Manager
EAP	Employee Assistants Programme
EFC	Emergency Functional Coordinator
EMC	Emergency Management Controller
EMS	Emergency Medical Services
EOC	Emergency Operations Centre
EOD	Electrical Operation Desk
EPP	Emergency Preparedness Plan
ER	Emergency Response
ERT	Emergency Response Team
GM	General Manager
GMR2	Responsible Person for Machinery
HR	Human Resources
HSE	Health, Safety and Environment
IC	Emergency Incident Coordinator
IP	Incident Procedure
IR	Industrial Relations
JOC	Joint Operations Centre
MOU	Memorandum of Understanding

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2.5 Roles and Responsibilities

The Supplier is required to place Fire Rescue services and emergency medical capability employees at Medupi power station; these employees must be available 24 hours on a daily basis per year for any emergencies that may occur at the Medupi Power Station relevant areas in Lephalale. The supplier must comply with the OSH Act and Eskom Health Safety 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

240-91688868 Medupi Power Station Emergency Preparedness and Response work instruction

3. Document Content

3.1 Package scope

The Supplier is required to place Fire Rescue Services and Emergency medical services employee's capability at Medupi Power Station, these employees must be available 24 hours on a daily basis for any emergencies that may occur at the Medupi Power Station and relevant areas in Lephalale. The Supplier will supply hand held tools as when required through task orders.

3.2 The scope comprises the following but is not limited to

- a. Level of Care (Life support).
- b. Emergency Rescue (Trench Rescue, Confined Space Rescue, High Angle Rescue).
- c. Fire Fighting.
- d. Transportation of Patients to Medical Facilities.
- e. Consumables and Oxygen.
- f. Back up support systems.
- g. Natural Disasters.

3.3 Scope of work

Supply Fire Emergency Medical service (Level of Care)

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3.3.1 The operational shifts must run as a four-shift system.

- a. One independent practice Advanced life Support per day and after hours on call.
- b. Shift Leader with higher firefighting qualifications and Intermediate life Support per shift.
- c. Two Firefighters with Intermediate life Support per shift.
- d. Three Firefighters with Basic life Support per shift.
- e. One General Administration/ Human Resources per day shift.
- f. Contracts Manager/ Safety per day shift.
- g. The standard of care must be done according to the prescribed protocols of the (HPCSA)
- h. All of the life support personal must be registered with the HPCSA before they can attend any emergency Medical Call.
- i. All of the employee will also have minimum an C1 licence with an PDP or higher
- j. A total of 28 staff on the contract

The following skills will be required to be available on a 24 hour basis day to day at a base designated to a specifically Medupi Power Station to carry out general emergency Life support.

3.3.2 Emergency Medical Rescue

All of the contract employees must be trained on:

- a. Trench Rescue (Medical Care in the Rescue Setting, Patient Assessment in Rescue Medical Care, Common Medical conditions and injuries identify, Patient packaging and litter evacuation)
- b. Confined Space Rescue (Medical considerations, Retrieval and team deployment)
- c. High Angle Rescue (The rope Rescue team, Access and stabilization, Stretcher rigging, Patient Packaging)
- d. Life support personnel must be trained and well experienced in the rescue field for the project has a high risk potential.

3.3.3 Fire Fighting

- a. All of the contract personnel per shift must be trained to a level of fire fighter two and hazmat operational.
- b. The contractor will supply the entire necessary PPE for the personnel e.g. (uniforms; safety gear; bunker gear NFPA and UN certified).

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3.3.4 Back-up support systems

The Supplier must have a contract with or have an National Call Centre to give a back-up emergency medical support in place if there is a Structural collapse, Excavation collapse, Scaffold collapse, Major Explosion, Natural disasters on the site.

3.3.5 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.

3.3.6 Transportation of Patients to Medical Facilities

- a. The Supplier will register the Medupi Power Station fully equipped emergency vehicles to comply with the new ambulance legislation during the contract period.
- b. All patients will be transported to the nearest appropriate medical facility
- c. If patients needs to be transported to another medical facility in another Province permission must be given by Medupi Power Station General Manager or his/her delegation.
- d. Eskom Medupi Power Station will supply fully equipped fire truck
- e. Eskom Medupi Power Station will supply fully equipped veld fire skid unit vehicle

3.3.7 Consumables or Bill of Quantities

- a. The Supplier must provide all of the Medical Consumables and Oxygen cylinders as indicated on the BFQ
- b. The Supplier must also Maintain/ service/ Calibrate all medical and fire equipment e.g. ECG

3.4 Inspections

- a. Inspections to be carried out on a weekly basis and the following is to be checked: Condition of response vehicles, ambulances, fire vehicles and working area's and equipment are to checked that they are still intact, gauges to be checked that pressure is still within range where necessary and that expiring dates are not exceeded on medical equipment.
- b. All above work shall only be done by a supplier who is an accredited service and maintain Fire Emergency medical Life Support on Medupi Power Station.

3.5 Technical acceptability

- a. Eskom will reserve the right, not to consider any tender that:
- b. Is not compliant with the scope of work
- c. Do not return the supporting documents that are stated as gatekeepers to qualify for the tender evaluation process to continue.

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- d. 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.
- e. 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.
- f. The Suppliers Company must have more than five years' experience in a field of Emergency Medical Services.
- g. CV's of ALS Paramedic's and shift leader must be attached

3.6 Tender Requirements

- a. 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 service provider.
- c. The appointment of the successful service provider is at Eskom (Employer) sole discretion taking into account the factors which Eskom considers relevant.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Jaco Nel	Fire Risk Officer

5. Revisions

Date	Rev.	Compiler	Remarks
August 2021	2	Collen Mashiane	2 nd revision
May 2018	1	Collen Mashiane	First Development

6. Development Team

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

- a. Collen Mashiane
- b. Nic Du Toit
- c. Jaco Nel

7. Acknowledgements

N/A

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