

	Work Instruction	Generation Komati Power Station
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Title: **Komati Power Station Scope of Work for fire response training programme for the proto team**

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Content

	Page
1. INTRODUCTION	3
2. SUPPORTING CLAUSES.....	3
2.1 Scope	3
2.1.1 Purpose	3
2.1.2 Applicability.....	4
2.1.3 Effective date	4
2.2 Normative/Informative References	4
2.2.1 Normative	4
2.2.2 Informative	4
2.3 Definitions.....	4
2.4 Abbreviations	5
2.5 Roles and Responsibilities	5
2.5.1 Employer	5
2.5.3 Proto Team.....	6
2.5.4 Instructor.....	7
2.6 Process for Monitoring	7
2.7 Related/Supporting Documents	7
3. THE SCOPE OF SERVICE.....	7
3.1 The Service Provider shall provide a complete fire-training solution consisting of	7
3.2 Mandatory Fire Scenarios	8
3.3 Five-Year Training Frequency.....	8
3.4 Coaching Requirements.....	8
3.6 Contract Duration.....	9
3.7 Instructor(s) Requirements.....	9
3.8 Service Provider Accreditation	10
4. EVALUATION CRITERIA.....	10
5. ACCEPTANCE	11
6. REVISIONS	11
7. DEVELOPMENT TEAM	11
8. ACKNOWLEDGEMENTS	11

1. INTRODUCTION

The Komati Power Station intends to appoint a suitably qualified, experienced and appropriately accredited fire-training service provider to provide practical Industrial Fire Response Training to the Proto Team for a period of five (5) years.

The Proto Team may be required to respond to fire incidents and other high-risk operational environments. These incidents may involve electrical equipment, transformers, structures, vehicles, LPG/propane installations and diesel/fuel storage facilities.

The training programme is therefore intended to establish and maintain a high level of practical fire-response competency within the Proto Team through regular, structured and scenario-based training.

The programme shall comprise four (4) practical training interventions per financial year/annually, with one (1) intervention per quarter, resulting in a total of twenty (20) planned training interventions over the five-year contract period.

The training shall focus on practical participation, coaching, competency assessment and continuous improvement.

The appointed Service Provider shall have access to a suitable fire-training facility, appropriate fire simulators, qualified and accredited instructors and the equipment necessary to safely conduct realistic practical fire scenarios.

2. SUPPORTING CLAUSES

2.1 Scope

This scope outlines the minimum technical, operational, competency, safety and service requirements for the provision of Industrial Fire Response Training.

2.1.1 Purpose

The purpose is to define the minimum technical, operational, competency, safety and service requirements for the provision of Industrial Fire Response Training to the Proto Team.

The programme shall ensure that team members:

- Understand the hazards associated with industrial fires.
- Can identify and assess fire hazards.
- Can select and use appropriate fire-fighting equipment.
- Can safely approach and attack applicable fire scenarios.
- Can operate effectively as a fire-response team.
- Can communicate effectively during an emergency.
- Can recognise changing fire conditions.
- Maintain their practical competency through regular training and coaching.

CONTROLLED DISCLOSURE

2.1.2 Applicability

This document shall apply throughout Komati Power Station and all service providers who will be tendering for this project.

2.1.3 Effective date

The document will be effective from the date of authorization.

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] Occupational Health and Safety Act (Act No. 85 of 1993).
- [2] 32-123: Emergency Planning
- [3] 32-108: Firefighting Organisation
- [4] National Building Regulations and Building Standards Act, where applicable.
- [5] Fire Brigade Services Act (Act No. 99 of 1987)
- [6] ISO 45001:2018 Occupational Health and Safety Management System Standard.
- [7] Corporate Standard 32-124 Eskom Fire Risk Management.

2.2.2 Informative

- [8] NFPA 600 Standard on industrial fire brigades
- [9] NFPA 1402 Standard on facilities for fire training and associated props
- [10] NFPA 1403 Standard on life fire training evolutions
- [11] 240-126467640 Operational Standard for Firefighting Training in Generation
- [12] 32-477 Safety, Health, and Environment Training and Development Procedure

2.3 Definitions

Employer	The organisation procuring and managing the Industrial Fire Response Training Programme.
Service Provider	The appointed organisation responsible for providing the required fire-training services, instructors, facilities, simulators, coaching and reporting.
Proto Team	The designated team members identified by the Employer who shall participate in the training programme.

CONTROLLED DISCLOSURE

Practical Training	Training in which participants physically perform the required fire-response activities using appropriate equipment and controlled fire-training simulators.
Fire Simulator	Purpose-designed equipment or installation used to safely reproduce a representative fire scenario for training purposes.
Coaching	The process by which an instructor observes a participant's performance, provides feedback, corrects deficiencies, demonstrates improved techniques and allows the participant to repeat the exercise until the required competency is demonstrated.
Instructor	A suitably qualified, competent and appropriately accredited person responsible for delivering, supervising and/or assessing the training.
Live-Fire Training	Practical training involving controlled fire conditions within an approved and appropriately controlled fire-training environment.

2.4 Abbreviations

Abbreviation	Explanation
LPG	Liquefied Petroleum Gas
OHS	Occupational Health and Safety
PPE	Personal Protective Equipment
NFPA	National Fire Protection Association

2.5 Roles and Responsibilities

2.5.1 Employer

The Employer shall:

- Appoint and manage the Service Provider.
- Identify the members of the Proto Team requiring training.
- Approve the annual training programme.
- Approve scheduled training dates.
- Communicate applicable Employer safety requirements.
- Monitor the Service Provider's performance.
- Participate in periodic performance reviews.
- Review training reports.
- Verify compliance with contractual requirements.
- Conduct audits or inspections where required.

CONTROLLED DISCLOSURE

2.5.2 Service Provider

The Service Provider shall:

- Provide the required training facility.
- Provide suitably qualified and accredited instructors.
- Provide suitable fire simulators.
- Provide required practical fire-fighting equipment where necessary
- Develop and maintain the five-year training programme.
- Conduct four training interventions per year.
- Conduct one training intervention per quarter.
- Provide practical scenario-based training.
- Provide active participant and team coaching.
- Assess competency.
- Identify competency gaps.
- Provide corrective coaching.
- Submit training reports.
- Maintain all required accreditation and approvals.
- Maintain the facility and simulators in a safe and serviceable condition.
- Conduct appropriate risk assessments.
- Maintain emergency arrangements.
- Immediately report any serious safety incident to the Employer.

2.5.3 Proto Team

The Proto Team shall:

- Attend scheduled training sessions.
- Participate actively in theoretical and practical exercises.
- Comply with instructor instructions and safety requirements.
- Use PPE correctly.
- Apply coaching and corrective feedback.
- Report unsafe conditions.
- Participate in post-training reviews and lessons learned.

Maintain the required level of readiness between training interventions.

CONTROLLED DISCLOSURE

2.5.4 Instructor

The instructor shall:

- Coordinate each training intervention.
- Confirm the suitability of the training scenario.
- Conduct the safety briefing.
- Ensure instructors are appropriately allocated.
- Supervise practical exercises.
- Coach participants.
- Assess competency.
- Stop unsafe activities.
- Conduct the post-training debrief.
- Review participant performance.
- Prepare the training report.

2.6 Process for Monitoring

N/A

2.7 Related/Supporting Documents

N/A

3. THE SCOPE OF SERVICE

3.1 The Service Provider shall provide a complete fire-training solution consisting of:

- Training planning.
- Training facility and controlled live-fire training
- Qualified instructors.
- Fire simulators.
- Fire-fighting equipment where required
- Practical fire scenarios.
- Practical exercises.
- Coaching.
- Remedial coaching.
- Training records.
- Reporting.

CONTROLLED DISCLOSURE

- Annual programme review.
- Five-year competency development.

3.2 Mandatory Fire Scenarios

The Service Provider shall provide practical training using suitable simulators for:

- Transformer fire.
- Structural fire.
- Vehicle fire.
- LPG/propane tank fire.
- Diesel/fuel tank fire.
- Lithium batteries fire

The Employer may require the Service Provider to combine scenarios into integrated exercises during the five-year programme.

The simulators shall be designed for controlled fire-training purposes and shall allow participants to practise realistic fire-response techniques while maintaining appropriate safety controls.

The Service Provider shall maintain all simulators and equipment in a safe, serviceable and fit-for-purpose condition.

3.3 Five-Year Training Frequency

The Service Provider shall deliver:

- Four training interventions per year.
- One training intervention per quarter.
- Twenty training interventions over five years.
- The programme shall progressively develop participant competency and shall not consist of the same exercise being repeated without meaningful progression.

The Service Provider shall submit a detailed year training programme indicating when each mandatory scenario will be covered.

3.4 Coaching Requirements

The Service Provider shall ensure that instructors provide active individual and team coaching.

Instructors shall:

- Observe each participant during practical exercises.
- Correct unsafe or ineffective techniques.
- Provide immediate feedback.
- Demonstrate improved techniques where required.

CONTROLLED DISCLOSURE

- Allow participants to repeat exercises.
- Identify individual competency gaps.
- Record recurring team weaknesses.
- Provide recommendations for improvement.
- The purpose of the programme is not only to provide attendance-based training, but to progressively improve the operational capability of the Proto Team.

3.5 Accreditation

The Service Provider shall maintain valid accreditation/approval/recognition applicable to the training being offered for the full duration of the contract.

The Service Provider shall provide documentary evidence of:

- Accreditation.
- Scope of accreditation.
- Registration or approval status.
- Instructor accreditation where applicable.
- Facility approvals where applicable.
- Any change, suspension, withdrawal or expiry of relevant accreditation shall immediately be communicated to the Employer.

3.6 Contract Duration

The contract duration is 5 years.

3.7 Instructor(s) Requirements

The Service Provider shall provide instructors who are suitably qualified, competent, experienced and accredited/registered with an appropriate recognised South African or internationally recognised fire-service or training body, as applicable to the training being delivered.

The Service Provider shall submit, as part of its tender proposal:

- Instructor CVs.
- Copies of qualifications.
- Proof of instructor accreditation/registration.
- Proof of relevant firefighting and fire-training experience.
- Proof of training/facilitation competency where applicable.
- Details of experience in industrial fire scenarios.
- Details of experience in practical fire simulation and coaching.

The Employer reserves the right to verify the validity of all qualifications, registrations and accreditations.

CONTROLLED DISCLOSURE

The appointed instructors shall have demonstrated experience in practical firefighting and must be capable of coaching industrial fire teams in realistic fire scenarios.

Where specialist scenarios require specialist competence, the Service Provider shall provide suitably competent instructors for those scenarios.

3.8 Service Provider Accreditation

The Service Provider shall be appropriately accredited and/or recognised to provide the proposed fire and emergency-response training.

The Service Provider shall provide valid documentary evidence of its accreditation, approval or recognition, including:

- Accreditation certificates.
- Accreditation scope.
- Registration details.
- Training-provider approval documentation.

Relevant quality-management or training-system documentation where applicable.

The accreditation shall be relevant to the training being offered and shall remain valid throughout the contract period.

Where accreditation expires during the five-year contract, the Service Provider shall maintain and provide evidence of renewed accreditation without interruption to the service.

The Employer may reject a provider where the submitted accreditation does not cover the proposed training activities.

4. EVALUATION CRITERIA

The following shall be treated as mandatory requirements:

Requirement	Compliance
Valid training-provider accreditation/approval	Mandatory
Accreditation scope relevant to proposed training	Mandatory
Suitable fire-training facility	Mandatory
Transformer fire simulator	Mandatory
Structural fire simulator	Mandatory
Vehicle fire simulator	Mandatory

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LPG/propane tank fire simulator	Mandatory
Diesel/fuel tank fire simulator	Mandatory
Evidence of instructor accreditation/competency	Mandatory
Relevant previous fire-training experience	Mandatory

Failure to meet a mandatory requirement may result in the tender being deemed non-responsive

5. ACCEPTANCE

This document has been seen and accepted by:

Name	Designation
Daniel Mphuthi	Manager OHS
Thevan Pillay	Risk and Assurance Manager

6. REVISIONS

Date	Rev.	Compiler	Remarks
August 2026	0	Vincent Masilela	New scope of work

7. DEVELOPMENT TEAM

N/A

8. ACKNOWLEDGEMENTS

N/A

CONTROLLED DISCLOSURE

ANNEXURE A

Required fire scenarios

The Service Provider shall have suitable, purpose-built and safely controlled fire simulators capable of providing realistic practical training for, at minimum, the following scenarios:

Transformer Fire

Training shall include practical response to a simulated transformer fire, including:

- Identification of electrical fire hazards.
- Safe approach and positioning.
- Electrical isolation considerations.
- Selection and use of appropriate extinguishing media.
- Recognition of re-ignition and escalation hazards.
- Protection of surrounding equipment and structures.
- Communication and coordination with the relevant responsible persons.
- Emergency response limitations associated with energised electrical equipment.

Structural Fire

Training shall include a realistic structural fire scenario covering:

- Fire development and behaviour.
- Safe approach to a structural fire.
- Fire-fighting techniques.
- Hose and nozzle handling where applicable.
- Team positioning and communication.
- Protection of personnel and surrounding assets.
- Search and rescue considerations where applicable to the team's role.
- Recognition of structural instability and other hazards.
- Withdrawal and escalation procedures.

Vehicle Fire

Training shall include practical response to a simulated vehicle fire, including:

- Engine-compartment fires.
- Passenger-compartment fires.

CONTROLLED DISCLOSURE

- Fuel-related fire hazards.
- Safe positioning around vehicles.
- Fire behaviour and escalation.
- Appropriate extinguishing techniques.
- Protection from hazardous components and stored energy.
- Consideration of nearby vehicles, structures and equipment.

Propane/LPG Tank Fire

Training shall include a realistic LPG/propane fire scenario covering:

- Identification of LPG/propane fire hazards.
- Safe approach and positioning.
- Recognition of LPG release and fire hazards.
- Cooling and exposure protection principles.
- Emergency isolation considerations.
- Recognition of potential BLEVE hazards.
- Establishment of safe exclusion zones.
- Team communication and coordination.
- Withdrawal criteria and escalation to specialist emergency services.

The Service Provider shall ensure that LPG/propane practical training is conducted using appropriately designed and approved training simulators and under controlled conditions.

Diesel Tank Fire

Training shall include a realistic diesel/fuel storage tank fire scenario covering:

- Flammable-liquid fire behaviour.
- Safe approach and positioning.
- Appropriate extinguishing techniques.
- Foam application principles where applicable.
- Prevention of fire spread.
- Protection of adjacent tanks and equipment.
- Spill and run-off considerations.
- Recognition of escalation conditions.
- Emergency isolation considerations.
- Withdrawal and escalation procedures.

CONTROLLED DISCLOSURE