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PROCUREMENT OF FALL ARREST SYSTEMS x 339

Eskom Reference: Aligned to Eskom Work at Height Standard 32-418 and Occupational Health and Safety Act (Act 85 of 1993), Construction Regulations and applicable SANS standards.

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1. INTRODUCTION

Supply and deliver of Fall Arrest Systems for use by Eskom employees and contractors performing work at height during maintenance, construction, operations and outage activities.

The equipment shall provide protection against falls from height and comply with Eskom safety requirements, South African legislation and relevant SANS standards.

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2. APPLICABLE STANDARDS

The equipment offered shall comply with the latest revision of the following:

Eskom Requirements

- Eskom Work at Height Standard 32-418
- Eskom Safety Health and Environmental Requirements
- Eskom Contractor Safety Management Requirements

Legislative Requirements

- Occupational Health and Safety Act 85 of 1993
- General Safety Regulations
- Construction Regulations
- Driven Machinery Regulations (where applicable)

Technical Standards

- SANS/EN 361 Full Body Harnesses
- SANS/EN 355 Energy Absorbers
- SANS/EN 354 Lanyards
- SANS/EN 362 Connectors
- SANS/EN 358 Work Positioning Systems
- SANS/EN 360 Retractable Fall Arrest Devices
- SANS/EN 795 Anchorage Devices

- SANS/ISO 45001 Occupational Health and Safety Management Systems

Supplier shall submit valid certification from accredited testing authorities.

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3. MINIMUM TECHNICAL REQUIREMENTS

3.1 Full Body Harness

The harness shall:

- Be a full-body fall arrest harness.
- Incorporate a dorsal attachment point.
- Include front attachment points for rescue and ladder climbing.
- Have adjustable shoulder, chest and leg straps.
- Be manufactured from UV-resistant polyester webbing.
- Have corrosion-resistant metal hardware.
- Be uniquely serialised for traceability.
- Be rated for industrial use with a minimum user capacity of 140 kg.

Preferred Features

- Flame-retardant webbing.
- Anti-static properties.
- Padded shoulder and leg straps.
- Quick-connect buckles.

3.2 Shock-Absorbing Lanyards

The lanyard shall:

- Be a double-leg (Y-type) shock-absorbing lanyard.
- Maximum length 2 meters.
- Include integrated energy absorber.
- Have scaffold hooks suitable for structural steel applications.
- Have double-action or triple-action locking connectors.

3.3 Work Positioning System

The system shall include:

- Adjustable positioning lanyard.
- Rope or webbing construction.
- Side D-ring compatibility.
- Compliance with SANS/EN 358.

3.4 Anchorage System

Anchorage devices shall:

- Comply with SANS/EN 795.
- Have minimum rated strength of 22 kN.
- Be suitable for power station and industrial installation.
- Be corrosion resistant.
- Be supplied with inspection certification.

3.5 Rescue Equipment

Supplier shall demonstrate availability of:

- Fall rescue equipment.
- Rescue procedures.
- Rescue training support.
- Rescue kits compatible with the fall arrest system.

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