PROJECT INFORMATION

PROJECT NAME : **Leseding Substation Transformation Upgrade**

SUBSTATION NAME : **Leseding Substation**

TRANSMISSION GRID : **Nothern Grid**

PROJECT NUMBER : ***N.ETLESED.C.NG.INT.TE.PT***

DOCUMENT NUMBER : **Project number**

DOCUMENT REVISION : ***Rev1***

RELATED/SUPPORTING DOCUMENTS

- **240-170000192 Generic PTM&C NLEPDS SOW**
- **240-134779125 Generic PTM&C NLEPDS evaluation criteria**
- **240-78980848: Specification for Non-Lethal Energized Perimeter Detection System (NLEPDS) Electrical Components (excludes civil components)**

	Designation	Name	Signature	Date
Compiled by	***Project Engineer***	Eric Mabotja	.....	05-02-2024 .....
Approved by	***PTM&C Planning & Project Support Manager***	Vanessa Naidu	.....	12/03/2025

1. GENERAL BACKROUND:

1.1 PROJECT DESCRIPTION

This document provides an overview of Eskom's requirements for the design, supply, installation, and commissioning of a Non-Lethal Energized Perimeter Detection System (NLEPDS) at Leseding Substation.

2. Non-Lethal Energized Perimeter Detection System (NLEPDS):

2.1. Non-Lethal Energized Perimeter Detection System (NLEPDS) Scope of Work

At Leseding Substation the extension of the current Electric fence is required to ensure the safety of Eskom assets. All the Electric fence alarms will be monitored on site and at Zero control at Simmerpan. Adherence to the 240-170000192 Generic PTM&C NLEPDS SOW following documents is applicable.

2.2 Non-Lethal Energized Perimeter Detection System (NLEPDS) Technical Evaluation

Adhere to the document 240-134779125 Technical Evaluation Criteria for Non-Lethal Energized Perimeter Detection System (NLEPDS).

3. Site Layout Drawings

Kindly see latest substation layout on the threat risk assessment.

5. REVISION TRACKING

Rev No	Description	Compiler	Date
1	Initial Scope of Work	Eric Mabotja	06-01-2025

6. STAKEHOLDERS

DISTRIBUTION LIST		
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