Eskom	Scope of Work	Distribution Division

HV LINE Scope of Works within Distribution Gauteng Cluster

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Date: 03/11/2026

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1. INTRODUCTION

This document defines the scope of works for the execution of power line construction, refurbishment, and associated infrastructure activities. The works comprise a comprehensive range of activities, including but not limited to preliminary and general requirements, environmental management, health and safety compliance, site establishment, construction access development, survey activities, temporary works, foundation construction, structure erection, earthing, stringing, labelling, dismantling of existing infrastructure, and final site reinstatement and handover.

All the activities in the scope of work shall be executed in accordance with applicable Eskom standards, industry standards, statutory regulations, and project specifications. Emphasis will be placed on adherence to environmental, health, and safety requirements, as well as maintaining quality workmanship throughout all stages of the project lifecycle.

1.1.1 PURPOSE

The purpose of this document is to define the scope, requirements, and expectations for the execution of the specified power line works, and to provide a structured basis of activities may be required for an HV line project within Distribution Gauteng Cluster. A detailed description of the listed activities will be project specific.

1.1.2 BACKGROUND

HV line construction expands, reinforces or relocates the high-voltage network through new lines, rebuilds, loop-ins, deviations and cable conversions. Delivery typically moves through design and approval gates, procurement and contractor mobilization, construction, stringing or cable installation, testing and commissioning. The current portfolio therefore contains both active construction and enabling projects whose expenditure depends on approvals, customer decisions, material availability and linked network works.

The HV Line interim programme rises from early-stage design and enabling expenditure in 2026–2027.

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1.1.3 SCOPE OF WORK

1.1.3.1 Activity Stage 1: Preliminary & General, Environmental, Health & Safety and Site establishment

The preliminaries / P&G section will be included by "Contracts Management" as per instruction by Contracts Manager.

1.1 Preliminary and General cost;
1.2 Environmental requirements;
1.3 Health & Safety requirements;
1.4 Site establishment.

1.1.3.2 Activity Stage 2: Establish construction access

2.1 Supply, Transport and Installation of new power line servitude gates;
2.2 Complete replacement of existing power line servitude gates;
2.3 Closure of construction access
2.4 Bush clearing and cutting of trees.

1.1.3.3 Activity Stage 3: Survey activities

3.1 Structure setting-out & stays positions;
3.2 Marking of servitude and access gates;
3.3 Scanning of Services at specific structure positions

1.1.3.4 Activity Stage 4: Construction of temporary By-passes Lines

4.1 Complete installation of temporary By-pass lines, refer to Project specific.
4.2 Complete removal of temporary Project specific.

1.1.3.5 Activity Stage 5: Foundations

5.1 Geotechnical investigation and soil/foundation type nominations;
5.2 Foundation Design Verification
5.3 Foundation installation
5.4 Stay Rod & Foundations Design or Verification;
5.5 Stay Rod and Foundation Installation;
5.6 Barricading/Protecting of all open excavations.

1.1.3.6 Activity Stage 6: Assembly and Erection of power line structures

6.1 Assembly and erection of all structures;
6.2 Assembly and installation of stay assemblies;

1.1.3.7 Activity Stage 7: Power line earthing

7.1 Transport and installation of power line structure earthing material;
7.2 Measure Structure Footing Resistance and Record;

1.1.3.8 Activity Stage 8: Dressing of all structures

8.1 Dressing of all structures

Dressing include the transport to specific tower/pole position and installation of phase & earth wire hardware assemblies and anti climbing devices, etc. are connected to the tower in preparation for stringing.

1.1.3.9 Activity Stage 9: Stringing, Regulation & Making off

9.1 Test Joints;
9.2 Stringing;
9.3 Making off and Regulation.

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9.4 Mid span joints
9.5 Repair sleeves
9.6 Clamping in
9.7 Vibration dampers
9.8 Bird flappers
9.9 Aircraft warning spheres
9.10 Temporary structures
9.11 Closing spans to substations

1.1.3.10 Activity Stage 10: Labelling

10.1 Structure/Pole Identification Labels
10.2 Line Designation labels;
10.3 Line Crossing labels;
10.4 Phase Disks.

1.1.3.11 Activity Stage 11: Dismantling

11.1 Structures & Poles;
11.2 Foundation Structures & Poles;
11.3 Conductor;
11.4 Steel Shield Wire;

1.1.3.12 Activity Stage 12: Taking over of the works and clearance of site

12.1 Re-instate entire construction site;
12.2 Final inspection of the line;
12.3 Handing over, test & commissioning;
12.4 Submission of "As Built' Information;
12.5 Site clearance.

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2. ROLES AND RESPONSIBILITIES

Role	Description
End-user	Provide user specification/Scope of work requirements and recommend
Senior Design Engineer	Compile
Senior Design Technologist	Support
Asset Manager Design	Authorise/Approve

3. COST BENCHMARKING

Costs analysis be completed by the Quantity Surveyor

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Loyiso Pethu	Asset design Manager

5. Development team

Name	Designation
Mandla Thobejane	NED Design Engineer
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