



**Scope of Work**

**Technology**

Title: **Upington Strengthening Phase 2 Project: Primary Plant Scope of Work at Ferrum Substation**

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**Compiled by**

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Date: 9/10/2023

**Functional Responsibility**

**Siphon Zulu  
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Substation Engineering**

Date: 9/10/2023

**Authorised by**

**Benny Tladi  
Middle Manager  
Substation Engineering**

Date: 9/10/2023

## 1. SCOPE OF WORK

The scope of work for this project includes the civil and electrical work as depicted in project drawings Fer21P11 stated in section 2. The scope for Ferrum Substation, based in the Northern province comprises but may not be limited to the following activities:

For a detailed scope see project specific drawings Fer21P11.

400kV		
Quantity	Bay	Scope of Work
1	Feeder 4	Equip vacant bay with new 400 kV Mot Isolators, Earth switch, Line traps, Surge Arrestors, CVT's, Current Transformers and Circuit Breaker as Uppington 1 bay.
1	All	Stringers, droppers & clamps
1	Common Yard	New Foundations, Steelwork and Trenching as required

## 2. LIST OF DRAWINGS FOR UPINGTON SUBSTATION

Note that the drawings listed below are “NOT FOR CONSTRUCTION” drawings. The successful contractor will order equipment as per specification and supply Eskom with these outlines in order to amend the drawings and issue them “FOR CONSTRUCTION”. Eskom will require at least 60 days from receiving outlines to issuing for construction.

No.	Drawing Title	Drawing Number
1.	Station Electric Diagram	Fer21P11-SE-D6
2.	Key Plan	Fer21P11-SE-D7
3.	Foundation and Trench layout	Fer21P11-SE-D8
4.	Steelwork Marking Plan	Fer21P11-SE-D13
5.	Bay layouts (Sheets 1, 1A, 1B)	Fer21P11-SE-D16

## 3. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
S Zulu	Chief Engineer
B Tladi	Substation Engineering – Middle Manager

## 4. REVISIONS

Date	Rev.	Compiler/s	Remarks
October 2023	1	M Peffer	First Issue

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