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## **1. PROJECT OVERVIEW**

This design includes the scope of works for the refurbishment of the 66kV feeder bays at Good Hope Textiles substation and installation of a 66kV bus coupler. This project is required due to the following factors;

- 66kV Isolators, Current Transformers, Voltage Regulators, Surge Arresters and Breakers are obsolete and without spares should there be a failure.
- Linegear Isolators have no SCADA support.
- TSG make use of second hand spares to repair which is not guaranteed and can last up to 8 hours.
- OSM10 Breakers are no longer manufactured as per the Technical Bulletin no. SRTB02/2010.