

COPPER EARTHING CABLES REPLACEMENT WITH ALTERNATIVE CABLES AT KUSILE POWER STATION FOR A PERIOD OF 4 MONTHS

PART 4: SITE INFORMATION

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PART 4: SITE INFORMATION

1. General description

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| Site : | Kusile Power Station |
| Regional Authority : | Emalahleni Local Municipality, Mpumalanga Province |
| Nearest Towns : | Emalahleni – 42km north east of power station Bronkhorstspuit – 41km south of power station Delmas – 45km north of power station There are informal settlements within a 10 km radius of the power station. |
| Infrastructure : | Kusile Power Station is situated approximately 3km from the N4 highway and is connected to it by means of a tarred road. There is also a secondary tarred road connecting the site with the R545 and D686. |
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| Landowner : | Portions of Horingkraans Farm |
| River catchment : | Wilge River |
| Regional Climate | Kusile Power Station is situated in the Mpumalanga Province on the Highveld in the western part of Mpumalanga province on the escarpment, at an average height of 1551 m above sea level. The winters are generally dry and cold with regular frost and temperatures varying between -7°C and 23°C. The summers are mild with most of the rainfall occurring during this season. Temperatures vary between 12° & 32° C. |
| Wind direction | Data from the Emalahleni weather station shows that Kusile Power Station is sited in such a way that for most of the year (291 days) the wind direction is from the power station in a direction that is North West. |
| Rainfall | Based on information recorded at the Emalahleni weather station, the average annual rainfall for the Emalahleni area is approximately 691 mm. (Weather Bureau, Pretoria). |