



Consulting Engineers & Project Managers

Our reference : E0002/COR/TP/tp/200418

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20 April 2018

Guillaume Nel Environmental Consultants
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Attention: Mr Euonell Visagie

Madam

FARM BOONTJIESRIVIER, WOLSELEY : FIVE (5) NEW GUEST HOUSES AND CARAVAN PARK : REPORT ON AVAILABILITY OF ELECTRICITY CAPACITY

Your request for confirmation of electricity supply capacity for the above new guest houses and caravan park with 25 sites on the farm Boontjiesrivier in Wolseley, refers. We report as follows :

1. Supply area

The specific area to be developed falls into the electricity supply area of Eskom, and an electricity supply will therefore be provided from their nearest network with adequate capacity.

2. Maximum demand

The estimated maximum demand for the 5 new guest houses is 17kVA (25A 3-phase), and for the caravan park with 25 sites it is 20kVA (30A 3-phase).

3. Supply point

An existing 50kVA pole mounted transformer (TRF Borehole Pumps) with LV kiosk, approximately 30m from the five (5) houses development, will be used as bulk supply point for the guest houses. See attached position of the pole mounted transformer and development.

Secondly, an existing 50kVA pole mounted transformer (TRF Boontjiesrivier Guest House) with LV kiosk, approximately 320m from the caravan park development, will be used as bulk supply point for the 25 new caravan park sites and ablution facilities. See attached position of the pole mounted transformer and development.

Adequate capacity for the guest houses and caravan park developments is available in the existing transformers and supply points referred to.

4. Scope of work

In order to supply the new 5 guest houses with adequate and reliable bulk electricity supply, a new 25A 3-phase circuit breaker will be installed in the existing low voltage kiosk at the mentioned pole mounted transformer (TRF Borehole Pumps), from where a new correctly sized low voltage cable will be installed to a new low voltage distribution kiosk. The 5 new houses will then be fed from this main kiosk.

In order to supply the new caravan park with adequate and reliable bulk electricity supply, a new 30A 3-phase circuit breaker will be installed in the existing low voltage kiosk at the mentioned pole mounted transformer (TRF Boontjiesrivier Guest House), from where a new correctly sized low voltage cable will be installed to 2 new low voltage distribution kiosks. The 25 new caravan sites and ablution facilities will then be fed from these new kiosks.

For any further information please contact the undersigned.

Yours faithfully



Theo Potgieter Pr Eng
Head of Electrical
LYNERS