

Hinuera Second 110/33kV Transformer Bank Installation

Client: Transpower New Zealand Ltd

Location: Hinuera, Waikato

Contract Value: NZ\$600k

The existing 30MVA transformer bank at Hinuera was overloaded at peak periods and Transpower decided to install a second 50MVA unit to cater for the increasing area load and to provide some flexibility for maintenance work

Electrix were awarded this design/build contract to extend both the 110kV and 33kV switchyards, install the new transformer bank and associated switchgear, upgrade the 33kV tie-line and carry out protection upgrades for both T1 & T2 transformer banks and for feeder circuits.

The design also included new metering which was calibrated and certified by the Electrix test house.

The contract included all civil construction and some seismic strengthening of aspects of the existing transformer units.

The Electrix team were able to use an innovative design solution using armless poles to avoid the additional costs of standard gantry construction methods.

This installation is representative of a number of design/build projects carried out by Electrix and demonstrates the advantages of this form of contract using an experienced contractor to obtain cost efficiencies.



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