

Lady Annie Copper Project – 66kV Transmission Line Construction



Project: Lady Annie Copper Project
Client: CopperCo/HMAC
Location: 150km north of Mt. Isa, Queensland
Compl Date: June 2007

The scope of work involved:

- The construction of approximately 47km of single circuit steel pole 66kV sub transmission line from Gunpowder to the Mt Kelly processing plant site
- The construction of 1.5km of combined 66kV and 11kV sub transmission at Mt Kelly
- The construction of 4.5km of 11kV distribution line at Mt Kelly, 150 km from Mt Isa, in outback Queensland.

The works included:

- Civil works for all pole sites
- Erection of tubular steel poles, cross-arms and all line hardware
- Supply and stringing of conductor and OPGW
- Fibre optic joint enclosures
- Supply and erection of 66kV Air break switches
- Erection of 66kV / 433V pole mounted transformers

The project team faced many challenges including the remote location and parts of the works on the project being in close proximity to energised high voltage transmission lines, where the works was subjected to high induction exposure. This particularly related to working in proximity to Ergon Energy's 220kV line in the Mt Gordon mine area. As construction was within a mine development the project also included a requirement to work under the Mining Act.



Electrix Pty Limited
208 Hall Street
Spotswood 3015
Victoria
Australia
Phone: 03 9399 4688
Fax: 03 9399 4730
Email: electrix@electrix.com.au
Website: www.electrix.com.au