



Name: Kemps Creek 500kV/330kV Substation

Client: Transgrid

Value at Completion: \$500,000

Site Location: Kemps Creek NSW

Year Completed: 2008

Project Description:

Supply and Installation of Two 330kV Capacitor Bank Switchbays.

The works cover the civil and electrical work required at Kemps Creek 500/330kV Substation to install the HV equipment in two new 330kV Switchbays to connect two 330kV Capacitor Banks to the HV System.

The main work activities were:

- a) Provision of all site facilities required by the Contractor to complete the works and their satisfactory removal and restoration upon completion of the Works,
- b) Fence the work area to provide an area of 'disconnected apparatus' in accordance with the Principal's High Voltage Safety Rules (HVSR)
- c) Construction of footings for all switchbay equipment to the Principal's design.
- d) Erection of 330kV plant and associated steel structures and post insulators not installed by others including HV and LV connections and earthing for all erected structures and plant.
- e) Coordinate with the 330kV Capacitor Bank installation contractor (Contract 1157) who may be completing their works in parallel with the works for Contract 1158
- f) Install control and protection panels within the control room with Principal supplied panels and install all panels, relays and secondary wiring between panels and switchgear to Principal design.

PROJECT PROFILE

- g) Connect the 330kV Capacitors to the HV Network (330kV Busbars).
- h) Installation of Principal supplied cables between the control room and the No.1 and No.2 330kV Capacitor Banks and associated switchbays.
- i) Performed all pre-commissioning work, provide all checksheets and coordinate with the Principal's staff during final commissioning works.

Personnel:	Project Manager: Phillip Pierags
Specific OH & S Requirements	Comply with Transgrid rigid Site requirements
Referees:	Peter Hamilton Project Manager Transgrid Ph: (02) 8204 6373

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