

**TransGrid**  
**Specification No. 1311**  
**Sydney West 132kV Nos. 1, 2, 3 & 330kV No. 7 and Coffs Harbour 66kV No. 3**  
**Capacitor Bank Replacement**  
**Summary of Specification**

The following summary indicates the general nature of the work for which TransGrid desires tenders to be submitted. It is issued to enable an assessment to be made whether the Specification documents should be obtained from TransGrid for tendering purposes. It does not form part of the Specification and must not be included as part of your offer.

**Extent of Work**

TransGrid is proposing to replace the No.1, No 2 and No 3 132kV Capacitor installation at a new location at Sydney West 330/132 kV outdoor substation. In addition, the No 7 330kV Capacitor installation also needs to be relocated.

The scope of the Works of this Specification covers the design, supply, transport to Site, storage, construction, testing, commissioning and documentation of new 132kV de-tuned 160MVAR Capacitor installations. Demolition, removal and disposal of the existing No. 1, No. 2 and No. 3 132kV Capacitor installation.

The work shall consist of:

- a) Design, supply, installation, testing and commissioning of three new 132kV 160MVAR Capacitor Bank, including supply of foundations, pavement, high voltage Cage fence and HV connections within the capacitor installation only.
- b) Design, supply and installation of new footings suitable for the Capacitor installations to be installed.
- c) Relocation of the existing No.7 330kV Capacitor Installation including the design, supply and installation of new footings at its new location
- d) All new Capacitor installations shall have provisions for a 6 metre fire wall. The contractor is responsible for design, supply and installation of fire walls.

TransGrid is also proposing to replace the No. 3, 66kV Capacitor Installation at Coffs Harbour 132/66 kV outdoor substation.

The scope of the Works of this Specification covers the design, supply, transport to Site, storage, construction, testing, commissioning and documentation of the new 66kV Capacitor installation. Demolition, removal and disposal of the existing Capacitor installation and the replacement of the existing circuit breaker with a Principal Supplied POW Circuit Breaker and Current Transformers including demolition of the redundant footings.

The work shall consist of:

- e) Design, supply, installation, testing and commissioning of a new 66kV 19.1MVAR Capacitor Bank, de-tuned, including supply of foundations, pavement, high voltage Cage fence and HV connections within the capacitor and to the Independent Earth Switch.
- f) Removal of existing Circuit Breaker, demolition of footing, provision of new footing, supply and fabrication of steel support structure, erection of Current Transformers, installation & termination of control cabling
- g) Co-ordination with equipment suppliers (POW C/B) to ensure completion by the specified date.

**Contract Period**

Practical completion is required by:

- Sydney West works 30 weeks after Letter of Acceptance (Across three separable portions - Aiming for early August 2012 completion).
- Coffs Harbour works 30 weeks after Letter of Acceptance (Aiming for early August 2012).

**Contract Closure**

Tenders shall be lodged by utilising TransGrid's e-Tendering website at [www.transgrid.com.au](http://www.transgrid.com.au) or by hard-copy, in a sealed cover with the specification number and title clearly endorsed thereon, including

a duly signed and dated paper of the Form of Tender and all completed Schedules in TransGrid's Tender Receptacle located in the Administration Building at Metropolitan Area Centre, 200 Old Wallgrove Road, Eastern Creek NSW 2766 before 11.00 a.m. (Sydney Time) on: Tuesday 26<sup>th</sup> July 2011.

### **Site Inspection**

A mandatory site inspection is to be held on Wednesday 9 November 2011 commencing at 10.00 am at the Principal's existing Sydney West 330/132kV Substation, which is located at 200 Old Wallgrove Road, Eastern Creek. Then the following day, Thursday 10 November 2011 commencing at 11.00 am at the Principal's existing Coffs Harbour Substation, which is located at Upper Orara Road, Karangi. All parties interested in attending the Site inspection shall notify their intention to attend by telephoning, Mr Jheeno Olidar, Project Manager on (02) 9284-3075. It is mandatory that all parties interested in tendering attend the Site Inspection.

All persons attending the Site inspection must wear long sleeve shirts, trousers, enclosed footwear, hard hat, safety glasses and high visibility vest.

### **Further Information**

Further information may be obtained from either:

Mr Jheeno Olidar (02) 9284 3075, Email: [jheeno.olidar@transgrid.com.au](mailto:jheeno.olidar@transgrid.com.au) for Technical enquiries OR  
Mr Peter Hession (02) 9620 0261 Email: [peter.hession@transgrid.com.au](mailto:peter.hession@transgrid.com.au) for Commercial enquiries.