



## **Specification No. 1230**

### **Sydney North & Sydney East 330/132kV Substations**

### **Supply and Installation of Four 330kV De-Tuned**

### **200MVAR Capacitor Banks & Construction of**

### **Associated Switchbays**

#### **Summary of Specification**

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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.

The Specification documents are available for download or if requested a CD will be issued to an intending Tenderer for a non-refundable fee of \$220.

#### **Extent of Work**

The scope of Works under this Specification covers the design, civil and electrical works required for the construction of two 330kV Capacitor Bank installations and associated HV equipment at both Sydney North & East 330/132kV Substations and the civil and electrical works required for the construction of two 330kV line switchbays each at the Substations to connect the Capacitor Bank installations and associated HV equipment to the existing HV system

The works at each Substation will include the following:

- The design, supply, erection and commissioning of two, three phase 200MVAR 330kV Capacitor Bank installations (including all associated equipment) de-tuned to 225Hz and all civil and electrical works associated with the supply and installation of the two de-tuned Capacitor Banks.. Each de-tuned Capacitor Bank installation shall include the following:
  - i. Three single phase tapped de-tuned reactors,
  - ii. Three single phase capacitor unbalanced current transformers,
  - iii. Three single phase surge arresters,
  - iv. Associated support insulators/structures,
  - v. Associated high voltage connections within the installation and
  - vi. Erection of High Voltage fence around the Capacitor Bank installations.
- All civil and electrical works associated with the supply and installation of two 330kV line switchbays required to connect the Capacitor Bank installation to the High Voltage system.

Whilst this Specification covers the Works at both Sydney North and Sydney East Substations, the Principal may at his sole discretion award two separate contracts for the Extent of Works at the two Substations.

### **Contract Period**

Possession of Site for is intended to be given within 90 days after the date of the Letter of Acceptance and is to be completed within 240 days from Possession of Site.

### **Mandatory Site Inspection**

A mandatory site inspection will be held on **26 September, 2007 commencing at 10.00 am** at Sydney North Substation and there after at Sydney East Substation which are located at Dural and Belrose respectively.

### **Contract Closure**

Tenders shall be lodged by utilising TransGrid's eTendering 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 copy of the Form of Tender and **all** completed Schedules in TransGrid's Tender Receptacle located on Level 12, 201 Elizabeth Street, (Cnr Park and Elizabeth Streets), Sydney, NSW 2000 before 2.00pm (Sydney Time) on **Tuesday, 16th October 2007.**

### **Further Information**

Further information may be obtained from Matthew Tang on telephone (02) 9284 3324.