



**Specification 1195**  
**PALISADE SECURITY FENCES AT MARULAN, COOMA,**  
**MURRUMBURRAH, TUMUT & LOWER TUMUT SUBSTATIONS**  
**CLOSING ON 6<sup>TH</sup> FEBRUARY 2007 @ 2.00 PM**

The Works covers the Manufacture, Supply, Installation and Maintenance of Palisade and Security Fencing at the following TransGrid substations:

SEPARABLE PORTION	SUBSTATION
Separable Portion 1	Marulan 330kV Substation
Separable Portion 2	Cooma 132kV Substation
Separable Portion 3	Murrumburrah 132kV Substation
Separable Portion 4	Tumut 132kV Substation
Separable Portion 5	Lower Tumut 330kV Switching Station
Separable Portion 6	Canberra 330 kV Substation (Vermin proofing only)
Separable Portion 7	Wagga 330 kV Substation (Vermin proofing only)

The Works include the design (partial), supply, fabrication, transport to site, construction, testing and commissioning of electrified Palisade security fencing at TransGrid's Marulan 330kV Substation and Cooma, Murrumburrah, Tumut 132kV Substations and Lower Tumut 330kV Switching Station. In addition to the above the Contractor shall undertake site survey (as necessary), geotechnical investigation (as necessary), preparation, removal and disposal of existing fencing, installation of new fences and remediation of the sites.

The Works shall be designed and constructed to comply with relevant Australian Standards, the requirements of Australian Regulatory Authorities, the Building Code of Australia, other relevant Standards and with this Specification and drawings. This work will include, but is not be limited to, the following items:

- a) Supply and installation of fencing and gates as detailed in drawings and specification, including electrification and, removal and disposal of redundant fencing,
- b) Obtaining all regulatory and authority approvals required.
- c) Procurement and supply of all items, plant and equipment required to complete the Works except for those Principal-supplied items listed in Clause 1.1.10 of the specification.

- d) Preparation of technical data and test reports for Contractor-supplied plant and Equipment and forwarding to the Principal for review.
- e) Collection, co-ordination, packaging, loading and unloading, transporting to site, and handling of all materials, both Principal and Contractor-supplied, required to complete the Construction of the works,
- f) Provision of all facilities required by the Contractor to complete the works, eg offices, sheds, storage facilities, toilets, telephone, power, etc, and their removal upon completion,
- g) Surveying and setting out of the works,
- h) Clearing of materials presently on the site, including any demolition required for installation and subsequent reinstatement, and reinstatement of disturbed areas,
- i) Clearing of vegetation (including trees) necessary to construct the fence,
- j) Maintenance of the integrity of the Substation fence at all times,
- k) Dismantling and removal of any redundant fencing and equipment,
- l) Preparation and issue of a complete set of as-built drawings,
- m) Preparation and issue of Operating and Maintenance Manuals for the security fence system.

It is also required that vermin-proofing be installed on the security fences at Canberra substation (Parkwood Rd, Holt ACT) and Wagga 330 substation (Ashford Rd, Wagga).

Compulsory site inspection shall be conducted on site at the following times:

SUBSTATION	ADDRESS	SITE INSPECTION DATE	SITE INSPECTION TIME
Murrumburrah 132kV Substation	Cootamundra Rd, Murrumburrah	17 January 2007	12.00
Cooma 132kV Substation	Monaro Highway, Cooma	18 January 2007	13.00
Tumut 132kV Substation	Snowy Mountains Highway, Tumut	17 January 2007	15.00
Lower Tumut 330kV Switching Station	Murray Jackson Drive, Talbingo	18 January 2007	09.00
Marulan 330kV Substation	Canyonleigh Rd, Marulan	17 January 2007	09.00

Tenderers should note that additional site-specific detail will be provided at the site inspection. This detail is to be considered as part of the tender information and additional costs arising are to be included in pricing.

For enquiries of a technical nature refer requests for information or advice to

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