

**AMENDMENT NO.1**  
**SPECIFICATIONS NO. L-500 kV (REVISION 1)**  
**CONSTRUCTION OF 500 kV TRANSMISSION LINE**

**APRIL 2001**

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The following amendment shall be made with the entitled specifications.

1. **Section A. 500 kV Lattice Steel Towers**, revise as follows :

- a) On page A1, **Article A-1. General Instructions**, revise item c. of this article to read as follows :

"c. to furnish existing shop detailed drawings and to require only materials supply and fabrication services in order to promote uniformity of appearance and/or standardization of structure types; in such cases the provisions of Article A-3. Design, and A-4. Detailing do not apply but all other provisions do apply.

*However, the Contractor shall carefully scrutinize EGAT's furnished drawings, make minor modifications as necessary and submit all revised drawings to EGAT for review and approval. The full responsibility for adequacy and accuracy of all detailed fabrication/erection drawings of all tower types shall rest with the Contractor. The Contractor shall have no right to claim for any additional compensation as a result of his misinterpretation, inaccuracies, errors or omissions in checking the drawings not complied with the design requirements."*

- b) On page A2, **Article A-2 Materials**, revise item a. of the article to read as follows :

"a. **Rolled Shapes and Plates**. All materials shall be hot-rolled of structural and/or high-strength structural steel.

- (1) **Structural Steel**. Structural steel shall conform to ASTM A36.

*Structural steels conforming to TIS 1227 grade SS400 or TIS 1227 grade SM400 are accepted for use as equivalent to structural steels conforming to ASTM A36.*

**High-strength Structural Steel**. High-strength structural steel shall conform to ASTM A572 grade 50. All high strength shapes and plates shall have a guaranteed minimum yield strength of 50 ksi (3,515 kg/sq.cm).

*High-strength structural steels conforming to TIS 1227 grade SS540 to TIS1227 grade SM520 are accepted for use as equivalent to high-strength structural steels conforming to ASTM A572 grade 50.*

- (2) Steel Grade Substitution. Steel rolled for and released as structural grade shall not be used as a substitute for high-strength grade regardless of test values.

Steel rolled for high-strength grade may be used for structural grade if it meets the required specifications.

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