

## **SECTION - 1**

### **SCOPE, SPECIFIC TECHNICAL REQUIREMENTS & QUANTITIES**

#### **1.1.0 SCOPE**

1.1.1 The scope of work under this specification is Civil Works of 400/220kV Substation at Chandrapur in Maharashtra, being executed by BHEL on turnkey basis. The Customer is Maharashtra State Electricity Transmission Corporation Limited (MSETCL).

1.1.2 The Civil Works shall generally include, *but not limited to*, following:

- (i) Construction of Unloading Platform & Hard Standing Strata.
- (ii) Construction of WBM Roads.
- (iii) Asphaltting of Roads.
- (iv) Construction of Storm Water Drains.
- (v) Construction of Chainlink Fencing.
- (vi) Other miscellaneous works as required for project.

1.1.3 The works to be performed in the above constructions include providing of all labour, supervision, materials, scaffolding, power, fuel, construction equipments, tools and plants, supplies, transportation, all incidental items necessary for successful completion of the work including contractor's supervision and in strict accordance with the drawings and specifications and with inspection and testing standards.

#### **1.2.0 SPECIFIC TECHNICAL REQUIREMENT**

1.2.1 The specific technical requirements for the execution of civil works shall be as per Customer's Detailed Specification.

1.2.2 All source of materials shall be got approved by Customer.

1.2.3 The steel shall be as per relevant IS & grade 415. The steel shall be procured from the approved manufacturer only after sample testing of the steel from the factory for chemical composition as well as mechanical properties.

1.2.4 Cement shall be ISI mark with requisite properties & make and grade shall be approved by Customer.

1.2.5 Exhaustive specifications for the work are given, however as per general principle all PWD specifications shall be applicable for all works. Where no such specifications are available, description of the item shall prevail.

**1.3.0 BILL OF QUANTITY**

1.3.1 The Bill of Quantity shall be as per Annexure I-V

1.3.2 The quantities indicated in the Bill of Quantity are indicative and can vary to any extent. Contractor shall not be entitled for any claim for any such variation in the quantities.

1.3.3 The provision of Bill of Quantity, specifications and drawings shall be read in conjunction with each other and in case of conflict amongst them, the clarification shall be obtained from the Engineer-in-charge whose decision shall be final and binding.