

SECTION - 1

SCOPE, SPECIFIC TECHNICAL REQUIREMENTS & QUANTITIES

1.1.0 SCOPE

1.1.1 The scope of work under this specification is Civil Works for 400/132kV Substation at BARH in BIHAR being executed by BHEL on turnkey basis. The Customer is National Thermal Power Corporation (NTPC).

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

- (a) Excavation, dewatering, carriage of excavated earth, PCC, casting of reinforced concrete foundations, backfilling etc. for 400/132 KV Tower/LM including piling & pile cap as per drawings prepared by BHEL and approved by NTPC.
- (b) Excavation, dewatering, carriage of excavated earth, PCC, mudmat, casting of reinforced concrete foundations, backfilling etc. for equipment supports, including piling & pile cap/open foundation as required & their control cubicles, bus posts supports and bay marshalling as per drawings prepared by BHEL and approved by NTPC.
- (c) Construction of 400kv switch yard Control Room as per the drawings prepared by BHEL and approved by NTPC.

1.1.3 The works to be performed in the above constructions include preparation of bar bending schedules, based on the drawings released for construction and getting the same approved by the Engineer-in-charge plus the execution of the work including 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 NTPC Technical Specification (Refer SECTION 3, Annexure 1). In the absence of any standard in the above, the work shall be executed according to latest CPWD practices.

1.3.0 BILL OF QUANTITIES

1.3.1 The Bill of Quantity shall be as per page 1.3 to page 1. 17.

- 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.