

1.1.0 INTRODUCTION & INTENT OF SPECIFICATION

BHEL is in the process of bidding on turnkey basis, for **400/220kV Substation Project at Lonikhand - II in Maharashtra**. The Owner of this project is M/s Maharashtra State Electricity Transmission Corporation Limited (MSETCL)

BHEL intends to have a tie-up for the complete **CIVIL WORKS ASSOCIATED WITH THE ABOVE PROJECT ON A BACK-TO-BACK BASIS** with the bidder whose offer is found to be most competitive.

1.2.0 SCOPE OF WORK

1.2.1 The scope of work shall cover, **in complete conformity to the MSETCL specification, on a back to back basis**, the following:

1.2.1.1 Construction of all yard civil works and buildings.

The works to be performed in this construction 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 including cement & steel (reinforcement & structural steel), 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. The nature of work shall generally involve land development works, excavation in all type of soil including dewatering, shoring, strutting, and filling under and around structures, backfilling with available excavated earth around completed structures and cable trenches with covers, road crossing of trenches, disposal of surplus soil, concreting including reinforcement and formwork, providing necessary steel embedments and other inserts, roadwork, railwork, drainage work, fencing & gravel/stone spreading, building works including all finishing, etc., all complete as per detailed specification, drawings and directions of Engineer-in-charge.

1.2.1.2 Provision and maintenance of all temporary site construction buildings, facilities, office, storage, personnel accommodation facilities, transportation, water & power distribution and all other materials and services which may be required by legal dispositions, all labour and constructional equipment, management and supervisory staff to construct and commission the Works.

1.2.2 Specific Exclusions:

1.2.2.1 The following items of work are specifically excluded from the scope of the specification:

- Designing and preparation of execution drawings for all civil works.

1.3.0 SPECIFIC TECHNICAL REQUIREMENT:

1.3.1 All technical requirement shall be as per the following documents which are attached at Annexure II.

- Notes for Civil Works (2 pages)
- Technical Specifications for Civil Works (103 pages)
- Part of Master Plan 400kV Lonikhand – II Substation

1.4.0 PRICE SCHEDULE

1.4.1 The detailed price schedule shall be as per Annexure I. (Part I to Part XV)

1.4.2 The quantities mentioned in the Price Schedule are tentative and may vary on either side as per execution drawings.

