

TECHNICAL SPECIFICATIONS

SECTION-III

1.1 Check survey for tower location

- 1.1.1 The check survey shall be conducted to locate and peg mark the tower positions on ground conforming to the approved profile and tower schedule using GPS, total station, digital theodolites etc. In the process, it is necessary to have the pit centres marked according to the excavation marking charts. The level, up or down of each pit centre with respect to the centre of the tower location shall be recorded at intervals of 2 mtr. using total solution/GPS/ digital theodolites and digitized contour plains shall be made and recorded for determining the amount of earthwork required to meet the approved design parameters.
- 1.1.2 Changes in the preliminary tower schedule in the detailed survey, if required, shall be carried out by the contractor and he shall thereafter submit a final tower schedule for the approval of owner. The tower schedule shall show position of all towers, type of towers, span length, type of foundation for each towers and the deviation at all angles as set out with other details.

2.0 Environmental conditions

2.1 Forest

The line route passing through forest stretches for various transmission lines covered under this specification shall be furnished to the successful bidder.

2.2 General climatic conditions

Climatic conditions shall be of tropical nature having summer period for 8 months and winter period for 4 months in a year. Working season shall be approximately 9 months/year and balance 3 months shall be monsoon period.

The maximum temperature during summer shall be of the order of 50°C and the minimum temperature in the winter shall be of the order of 4°C. Normal everyday temperature is 32°C.

2.3 Statutory regulations and standards

2.3.1 Statutory regulations

The contractor is required to follow local statutory regulations stipulated in electricity supply act 1948, Indian electricity rules, 1956 as amended and other local rules and regulations referred in this specification.

2.3.2 Reference Standards

- 2.3.2.1 The codes and/or standards referred to in the specifications shall govern, in all cases wherever such references are made. In case of a conflict between such codes and/or standards and the specifications, latter shall govern. Such codes and/or standards, referred to shall mean the latest revisions, amendments/changes adopted and published by the relevant agencies.

- 2.3.2.2 Other internationally accepted standards which ensure equal or better performance than those specified shall also be accepted, subject to prior approval by the owner.

END OF SECTION - III