

# LAND AND EHV TRANSMISSION SYSTEM PACKAGE FOR DEVELOPMENT OF ISTS CONNECTED SOLAR PV PROJECTS (UPTO 800 MW) IN MAHARASHTRA

## Salient Technical Feature / Brief Scope of Work

### **A. Land Related Works**

1. Arrangement of leasehold or freehold land (**5Acres/MW**) in Solapur region, Maharashtra.
2. Necessary approach road till plant boundary including any interconnection between plots (if not readily available) by self or through State machinery.
3. Topography Survey for Land Parcels and any cutting / Filling with 95% compaction as per standard Proctor density test, to maintain an average slope of 10% for Solar Project Land. Slope of land would preferably be in one direction for at least 100m length in N-S Direction.
4. Geotech Investigation for Transmission System only as required for Design of Foundations.
5. Fencing of the offered Land including entry / exit gates (minimum 2 per plot) including security cabins (as per Tender Drawing) for Solar Project except Tr. Line related Land.

### **B. Transmission System Related Works**

1. Grid connectivity at switchyard of NTPC Solapur thermal station.
2. Design and Construction of EHV Transmission system till Grid interconnection point (Switchyard of NTPC Solapur) as per technical specifications including arranging for the "Right of Way" of transmission system.
3. Terminal bay at interconnecting end.
4. Telemetry system for data communication as per specifications.
5. Supply of mandatory spares for transmission line.
6. O&M of EHV Transmission system and terminal bay for a period of 3 years from the date of Project Commissioning