

Salient Features

NTPC Renewable Energy Ltd (NTPC REL), a wholly owned subsidiary of NTPC Ltd, proposes to setup Ground Mounted STU connected solar PV projects for aggregate capacity of up to 500 MW in Rajasthan. The solar power project shall be developed through an independent land package along with EHV Transmission system where in BOS works would be carried out by a different vendor with solar PV modules being provided by NTPC REL at site.

PROJECT DETAILS

Name of the Package	Land & EHV Transmission System Package for Development of 500MW STU Connected Solar Projects in Rajasthan
Solar Project Capacity	Minimum capacity to be quoted by individual bidder shall be either 250MW or 500MW.
Land Requirement	1. Capacity of 250MW, Land Required = 1125 Acres 2. Capacity of 500MW, Land Required = 2250 Acres
Terminal Point	Integration Project Sub-Station with interconnecting STU grid substation through EHV Transmission System.

Broad Provisions w.r.t Land Arrangement

1. Only Revenue / Govt. land is envisaged in the given tender.
2. However, a maximum 5% of total required land can be private land if required & can't be avoided "to provide contiguous land parcel for entire capacity".
3. Cost of Revenue Land including recurring land lease charges would be paid directly by NTPC REL to Govt. of Rajasthan. All other costs, premium, any misc. charges would be borne by Bidder and would be reimbursed as part of contract payment to bidder.

Broad Provisions w.r.t Transmission System Design

4. Entire Transmission System would be done in line with Design and Construction manuals published by RRVPNL / PGCIL etc. In case, already approved design of PGCIL or RRVPNL or any similar State / Centre / Govt. Transmission specialist agency is used, same would be endorsed by the bidder and can be used without any specific Engg. design approval.
5. However, bidder desires to design the system at his own, in addition to overall guidelines mentioned above, Design of System should comply to provisions of Technical Specifications and IS / Equivalent International Codes.

Other provisions w.r.t Assessment of Land in Evaluation

6. Bidder would be required to submit only Site Location Co-ordinates along with proposed land boundary and basic details such as village / tehsil/distt. etc. If possible, Bidder would preferably provide geospatial image file (.kmz or similar) for the given land parcel.

7. Co-ordinates provided should be preferably in UTM Co-ordinates (To the accuracy of 2 Digits after Decimal Place) however geographic co-ordinates would also be acceptable (To the accuracy up to 2 Digits after Decimal place of Seconds).
8. GHI shall be extracted by Owner based on site co-ordinates provided by bidder, from Solar GIS database only. In case, land is proposed in two separate plots, Wtd. Average GHI of Two locations would be considered.
9. Bids would be evaluated on INR/MU basis based on a pre-defied formula in the Tender Documents.