

SALIENT TECHNICAL FEATURES

Package Code: NRE-CS-5810-004(L)-9

“Salient Technical Features of the systems /equipment/ services are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima-facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the Bidding Documents.

Detailed provisions in regard of scope of work and technical features/specification of equipment/ systems/ services, contained in the Bidding Document shall be final and binding.”

Salient technical features of the proposed project are as follows:

Name of the Package	LAND AND POWER EVACUATION PACKAGE FOR DEVELOPMENT OF 900MW ISTS CONNECTED SOLAR POWER PROJECT IN NEEMUCH REGION OF MADHYA PRADESH
Total Project capacity	900 MW
Land Requirement	5 Acres per MW (Usable Land)

1. The minimum capacity to be quoted by individual bidder shall be 300MW and thereafter higher in multiples of 100MW.
2. Bidder can provide Government/private contiguous Land (5 Acres/MW) on freehold/leasehold basis near Neemuch ISTS substation, Madhya Pradesh.
 - The lease period shall be a minimum of 29 years 11 months.
 - Government land shall be a maximum of 10% of the total land.
3. Topographical survey of the Land.
4. Development of the Land by Providing Approach Roads, Tree Cutting, Land Levelling & compaction, Fencing, etc.
5. Water supply at every 250-acre land area through boreholes.
6. Geotech Investigation for Pooling Substation and Transmission System land.
7. Arrangement of grid connectivity with ISTS substation in Neemuch, Madhya Pradesh.
8. Design, Engineering, Supply, Erection, Testing & Commissioning of
 - a. 220kV/400kV AIS Pooling Substation including Power Transformer and associated SAS and Protection for evacuating offered MW capacity and required reactive power.
 - b. 33 kV Pooling Switchgear.
 - c. Associated Civil work for substation including Control Room Building and Pooling switchgear building.
9. Design and Construction of EHV Transmission Line from Pooling substation till ISTS Sub-Station including the “Right of Way” for transmission line.
10. Design and construction of terminal bay at ISTS end as per applicability.

11. Telemetry system for data communication as per specifications.
12. Installation of Power Plant Controller (Main and Sub-PPCs) and Grid Compliance Study for Solar plant capacity associated with above Pooling Substation.
13. Supply and Installation of various Monitoring associated with Tie Transformers.
14. Supply of mandatory spares.
15. O&M of Pooling substation and associated equipment, EHV Transmission Line and terminal bay at ISTS end for a period of 3 years from the date of Project Commissioning.