

BRIEF SCOPE OF WORK FOR EPC PACKAGE OF 630 MW SOLAR PROJECT/s IN BARETHI (MADHYA PARDESH)

1. Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Grid Connected Ground Mounted Solar Photovoltaic plant including Open category PV modules.
2. Site - Grading & Clearing of Vegetation (if required), Topographical survey, and Geotechnical Investigation.
3. Design and Construction of foundation & erection of Fixed Tilt / Tracker based Module Mounting Structure (MMS) for Ground mounted SPV panels, including fixing of PV Modules on MMS and Interconnection of PV Modules.
4. Providing power supply and water supply for construction purposes.
5. Construction of Inverter rooms/stations with Power conditioning unit, associated LT and HT switchgear.
6. Providing one water connection for each 50MW block for construction and O&M Phase.
7. All associated EPC electrical required for interfacing with grid (i.e., transformers, panels, protection system, cables, metering at 33kV level, earthing and lightning protection, etc.) (Terminal point- 33 KV Side of NTPC REL Substation).
8. All associated civil works required for the successful commissioning and operation of the project (i.e., approach & Internal roads & drains to various facilities, High mast, Fencing, parking, etc.) as per General Layout and Topography, any internal / temporary fencing, security cabin etc.
9. Construction of Central Monitoring and Control Station having SCADA room, Storeroom, Battery room, associated switchgear etc. with all electrical fitting and furniture, boundary fencing of SPV plant, security cabin etc.
10. Supply & installation of SCADA (for remote monitoring and control of Inverters with all hardware & software and complete set of Weather Monitoring Station including cloud cover), associated equipment at identified location.
11. Submission of all technical details for conducting Grid connectivity compliance as per latest CEA Technical standard for connectivity to Grid and transmit Solar plant data to LDC as per telemetry requirement.
12. Module cleaning system including supply and installation of all accessories.
13. Supply of Mandatory spares.
14. Comprehensive O&M of SPV Plant along with electrical equipment, consumables, and spare parts for a period of Three years and AMC of major equipment from the date of commissioning of full Project capacity.

SALIENT FEATURES:

“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	EPC PACKAGE FOR 630 MW SOLAR PROJECT(S) IN Barethi, MADHYA PRADESH
Type of Project	Ground Mounted Solar PV Projects
Capacity to single bidder	Bidder can opt for either or both Blocks of 315 MW each subject to meeting the Qualifying requirements.
Location	BArethi, Madhya Pradesh