



SALIENT TECHNICAL 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 Project	Development of “ EPC PACKAGE FOR DEVELOPMENT OF 500MW (2X250MW) GRID CONNECTED SOLAR PV PROJECTS AT BIKANER, RAJASTHAN ”
Project capacity	500 MW (2 Blocks of 250 MW), Timeline ~18 Months
Block/Plot capacity	Two Blocks of 250MW each (Bidders may bid for one block (250 MW) or two blocks (500 MW))

1. Two blocks of 250 MW Solar Photovoltaic Power Projects as EPC Package.
2. Complete Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Solar Photo Voltaic Plant **including** supply of Solar PV Modules.
3. **MMS** as per Technical Specification – Tracker based (**Cost per MU Based Bidding**)
4. String / Central Inverter with minimum cumulative capacity of 250 MW each for the two blocks with Maximum Power Point Tracking technology along with associated cables, cabling, Transformer & Switchgears.
5. Pooling substation (33kV/220kV) for each 250MW block.
6. SCADA, Weather Monitoring System, PPC and CCTV system.
7. Electrical works and associated switchgear equipment as per technical specification.
8. Evacuation of power up to take-off gantry of PSS
9. Module cleaning system including supply and installation of all accessories.
10. All associated civil works for Solar plant and power evacuation up to take-off gantry of PSS



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11. Dynamic reactive power compensation at PoI as per CEA technical standards and working committee report.
12. Grid compliance study of Solar projects
13. Comprehensive O&M for 3 years from date of commissioning of full capacity
14. Supply of mandatory spares