

Salient Technical Features

“Salient Technical Features of the equipment/ systems/ services covered in IFB No. - **NTPC-2016-TN000001** 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.”

Name of the Project	Development of 750 MW (6 Blocks of min 125 MWp Capacity) Solar Photo Voltaic Project(s) at Pavagada, Distt Tumkur (KARNATAKA)
Project capacity	750 MWp (Min DC Power) (To be awarded to multiple bidders in single/multiple blocks of 125 MW each)

- Complete min 125 MWp DC capacity Solar Photovoltaic Power Plant.
- SPV modules of minimum capacity 240 Wp (Crystalline) with IEC certified from accredited certifying agencies as detailed in technical specification.
- SPV modules may be sourced from single/multiple manufacturers.
- Module mounting arrangement with seasonal tilting and/or automatic east-west tracking as per specification.
- Indoor inverter with minimum cumulative capacity of 125 MW and individual capacity more than 500 kW with Maximum Power Point Tracking technology
- Pre-Engineered Inverter room with and associated transformer and switchgears.

- SCADA system for control and monitoring
- Main Control room cum pooling switchgear and metering of final output feeder at 66 kV along with associated switchyard equipments as per technical specification.