

SALIENT TECHNICAL FEATURES



SUPPLY AND INSTALLATION OF WIND TURBINE GENERATORS (WTG) FOR ISTS CONNECTED WIND ENERGY PROJECT WITH NOMINAL CAPACITY OF 813 MW (271 WTG) IN BELLARY, KARNATAKA

IFB No. NRE-CS-5929-003(WTG)-9(R)

“Salient Technical Features of the equipment/ systems/ services covered in IFB No. NRE-CS-5929-003(WTG)-9(R) 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 works and technical features/ specification of equipment/ systems/ services covered in the Bidding Documents. Detailed provisions in regard of scope of works and technical features/ specification of equipment/ systems/ services, contained in the Bidding Documents shall be final and binding.”

Location of Wind Project	In Karnataka State as detailed in Specification
Capacity Range of the Project	Minimum capacity 813 MW corresponding to 271 Locations
Turbine Capacity to be offered by a Bidder	Latest ALMM (Wind) Listed Turbine Machine of Individual Minimum Capacity of 3.0 MW

- Successful bidder shall be responsible for Detailed design, engineering and AEP, manufacturing, supply, erection, testing, commissioning, and proving the guaranteed performance parameters for installation of the wind farm starting from Wind Turbine Generators (WTGs), Unit Substations (USSs), Foundations, Control Panels, SCADA, along with Controls and Software etc.
- The bidder shall offer Wind Turbine Generators (WTGs) of minimum capacity of 3.0 MW for the wind farm and UL certified Annual Energy Production (AEP).
- Land for the wind farm shall be made available by NTPC REL to Bidders.
- Site specific wind data for the certification of AEP shall be made available by NTPC REL to Bidders.
- Erection and installation works include the civil works like foundations of towers, WTGs and its associated USS, control cabins for housing control panels near tower base (if required) etc.
- Ten (10) Year Comprehensive Operation & Maintenance of the supplied system under this package starting from the commissioning of the project including supply of all spare parts, consumables, repairs/ replacement of any defective equipment etc.
- Supply of Mandatory Spares.
- Providing inputs for statutory approvals and clearances for power evacuation/ grid connectivity, State Nodal Renewable Energy Agency, etc. as required/ applicable.

Note: Land, Power Evacuation System, Pooling Substation, Internal Roads, Connectivity with Grid Substation, and Backbone network for the SCADA system i.e., laying, splicing and termination are not in the scope of WTG Equipment Package.