

## SALIENT TECHNICAL FEATURES



### SUPPLY AND INSTALLATION OF WIND TURBINE GENERATORS FOR ISTS-CONNECTED WIND ENERGY PROJECT WITH NOMINAL CAPACITY OF 110MW AT KHAVDA NTPC RE PARK

IFB No. NRE-CS-5779-003(WTG)-9(R1)

***“Salient Technical Features of the equipment/ systems/ services covered in IFB No. NRE-CS-5779-003(WTG)-9(R1) 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	North Block and South Block of NTPC RE Park, Khavda, Bhuj, Gujarat
Nominal Capacity of the Project	110MW
Minimum Capacity of the Project	95MW
Turbine Capacity to be offered by a Bidder	Latest RLMM Listed Turbine Machine of Individual Capacity of Minimum 3000kW
Quoted Capacity by a Bidder	WTG Rating x No. of Footprints after Micro-siting by Bidder

- Successful bidder shall be responsible for Detailed design, engineering, micro-siting 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 3.0MW for the wind farm along with micro-siting and NIWE certified Annual Energy Production (AEP). The minimum capacity from the wind farm shall be 95MW.
- 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.

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- 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.
- All associated works like storage sheds, temporary approaches etc. for the construction of the wind farm.
- 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 SCADA wire are not in the scope of WTG Equipment Package.