

SALIENT TECHNICAL FEATURES

“Salient Technical Features of the equipment/ systems/ services covered in IFB No. RE-CS-5915-004H-9 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.”

Bid Document No. : RE-CS-5915-004H-9

Name of the Project	DEVELOPMENT OF ISTS CONNECTED WIND-SOLAR HYBRID POWER PROJECT(S) UPTO 600 MW ANYWHERE IN INDIA
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Minimum Project Capacity (Hybrid of Wind & Solar PV) at Single location	50 MW
Maximum Project Capacity (Hybrid of Wind & Solar PV)	600 MW
<ol style="list-style-type: none"> 1. <i>Individual Project capacity at Single location (Connected to same pooling substation) shall not be less than 50 MW.</i> 2. <i>In case Solar and Wind projects are connected at different pooling substation, Individual project capacity of Solar and Wind shall not be less than 50 MW.</i> 3. <i>Offered Hybrid Project Capacity shall be in multiples 10 MW.</i> 	

- WTG (Wind Turbine Generator) of minimum capacity 1500 KW as per RLMM as detailed in technical specification.
- ALMM enlisted Open Category cell and module shall be offered.
- The bidder shall offer land for the offered wind and Solar plant with clear title and free from all encumbrances, liens, encroachments or litigation.
- Successful bidder shall submit Micro-siting report and Estimated Annual Energy Generation report duly vetted by NIWE or Equivalent Agency such as DNV GL/UL/VAISALA etc. during detail Engineering.
- For Solar Plant, Bidder shall quote generation at each site.
- Unshared and Independent SCADA system for control and monitoring and transmission of data as per specification.
- Central monitoring and Control Station (CMCS) and associated civil works as per specification.
- Unshared and Independent Internal Transmission lines from WTGs to pooling substation.

- Unshared and Independent Internal Transmission lines from Solar Farm to pooling substation.
- No sharing on 33 kV side of Pooling S/S of Plant.
- Transmission line for evacuation of power generated from hybrid energy project.
- Pooling substation and associated civil and electrical works required for interfacing with grid.
- Tariff Meters as per applicable regulation.
- Telemetry, Power Plant controller and Data communication with applicable LDC for the wind project(s).
- O&M of the plant(s) for 3 years from the trial run after full commissioning of the plant.