

SALIENT TECHNICAL FEATURES



430 MVAR SVG PACKAGE FOR REACTIVE POWER COMPENSATION OF WIND PROJECTS IN GUJARAT

IFB No. NRE-CS-5921-003(SVG)-9

“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.”

Successful bidder shall be responsible for system design and engineering, supply, packing and forwarding, transportation, installation including civil works, integration with owner's 33kV switchgear and commissioning of Static Var Generators as per requirements mentioned detailed technical specifications.

1. Cumulative Static Var Generator Capacity - 430 MVA_r at Gujarat

Project Location	Project capacity	Indicative Reactive power compensation requirement
Jamjodhpur PSS-1, Gujarat	315 MW	116 MVA _r
Jamjodhpur PSS-2, Gujarat	315 MW	116 MVA _r
Vanki, Gujarat	179.55 MW	66 MVA _r
Kalyanpur Part-1, Gujarat (INGEL)	147 MW	55 MVA _r
Kalyanpur Part-2, Gujarat (INGEL)	209 MW	77 MVA _r
Total MVAR Capacity for Wind Project at Gujarat		430 MVA_r

- Installation of SVG including all civil Works, cable trench up to existing 33kV switchgear/switchyard.
- 33 kV cables including laying
- Integration of SVG output to 33 kV owner's Switchgear
- Earthing & lightning protection system of SVG yard
- Communication cables including laying up to existing SCADA, PPC and its integration.
- Aux supply system-Aux Transformers and panels
- Other miscellaneous works e.g., LT cables, Illumination, fire protection etc for successful commissioning.
- Supply of Mandatory spares for each rating
- 3-year comprehensive O&M, Warranty of 5 years and AMC for 10 Years.