



**SALIENT TECHNICAL FEATURES FOR “EPC PACKAGE FOR DEVELOPMENT OF 100MW GROUND MOUNTED SOLAR PV PLANT AT JHANSI (U.P.) OF NUGEL”**

**SALIENT TECHNICAL FEATURES**

“Salient Technical Features of the systems /equipment/ services 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.”

Salient technical features of the proposed project are s follows:

Name of the Package	<b>EPC PACKAGE FOR DEVELOPMENT OF 100MW GROUND MOUNTED SOLAR PV PLANT AT JHANSI (U.P.) OF NUGEL</b>
Type of Project	Ground Mounted Solar PV Projects
Capacity to single bidder	100MW.
Location	Village Jhinhiriya, Kuraetha (and others) of Garautha Tehsil, Jhansi
Time for the project.	<b>Timeline ~12Months</b>
O&M period	<b>3 years</b>

1. All EPC works required for Development of Solar PV Plant including power evacuation system till 220 KV transmission line Take off Gantry at solar plant end shall be in scope of the bidder.
2. Bidder shall ensure Plant data telemetry as per the UPSLDC requirement and as per the NUGEL requirement for remote monitoring of the system.
3. Comprehensive O&M for 3 years shall be in scope of bidder.
4. Grid Connectivity shall be ensured by owner however bidder shall ensure compliance to all statutory regulations. Reactive power compensation system for meeting grid compliance shall be in scope of bidder.
5. Land for the development of project will be provided by NUGEL.
6. Development of 220 KV Transmission Line from Solar Plant end to STU Substation

and Remote end bay Works at STU Substation are excluded from scope of this package.

7. Type of PV Modules- **Crystalline Solar PV Bifacial modules and Solar PV cells used in the project shall be from the models and manufacturers included in ALMM List-I (for solar PV modules) and ALMM List-II (solar PV cells).**