

SALIENT TECHNICAL FEATURES



310 MW FLOATING AND GROUND MOUNTED SLAR PV PROJECT AT DVC RESERVOIRS

IFB No. NRE-CS-5785-004(EPC1)-9

“Salient Technical Features of the equipment/ systems/ services covered in IFB No. NRE-CS-5785-004(EPC1)-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.”

Project Capacity: 310 MW comprises of following THREE (03) Blocks, located in/ near Tilaiya and Panchet Reservoirs of Damodar Valley Corporation:

Block	Location	Capacity	Type
Block – II	Tilaiya	155 MW	Floating Solar PV
Block – IV	Panchet	75 MW	Floating Solar PV
Block – V	Panchet	80 MW	Floating Solar PV (30 MW) + Ground Mounted PV (50 MW)
TOTAL		310 MW	

Table-1: Block-wise capacity

Quoted Capacity by Bidder: A bidder can quote for any one/ two or all three number of 'Blocks'. There is no restriction on maximum number of blocks to be quoted by/ awarded to a bidder. The evaluation and award shall be done for each block separately.

Salient Technical Features of the proposed project(s) are as follows:

1. Solar Photovoltaic Power Project in single EPC Package.
2. Complete Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of cumulative 310 MW Solar Photo Voltaic Plant including supply of Solar PV modules.
3. The capacity of 310 MW under this bid comprises of 260 MW Floating Solar PV Projects & 50 MW Ground Mounted PV Project in different blocks as per the Table-1 above.

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4. String/Central Inverter with minimum cumulative capacity of 310 MW with Maximum Power Point Tracking technology along with associated cables, cabling, Transformer & Switchgears.
5. SCADA & Weather Monitoring System.
6. Electrical works and associated switchgear equipment as per technical specification.
7. Evacuation of power to 33kV Switchgear of 33/132 kV GIS Substation provided by the Owner.
8. Terminal point for Power evacuation- 33 KV H pole in vicinity of water body.