

**Pre-Qualification Criteria (POC) for open tender of Inverter Transformers for SCCL
129MW SPV Projects**

BHEL-EDN is executing 129 MW Solar PV projects for M/s SCCL at four locations in Telangana. Project-wise requirement of Inverter Transformers (2.5MVA rating) is as below:

S.No	Project Name	Qty of Inverter Transformers
1	50MW Ramagundam	20 Nos
2	39MW Yellandu	16 Nos
3	30MW Manuguru	12 Nos
4	10MW STPP Pegadapally	4 Nos
	Total Qty	52 Nos

Pre-Qualification Criteria:

A) Vendor should have supplied and commissioned minimum cumulative of 30 MVA transformers having following specifications within 3 years prior to publication of this tender:

- 1. Windings: 3 or more**
- 2. Voltage Class: 33KV or more**
- 3. MVA rating: 2.5MVA or more**

As an evidence to this, vendor shall submit completion or commissioning certificates from the end user along with copies of purchase order.

B) Vendor have type test reports conducted on similar rating transformers at a NABL accredited lab within 5 years prior to publication of this tender.

- 1. Lightning impulse (Full & Chopped Wave) test on windings as per IEC 60076-3**
- 2. Short-circuit withstand test as per IEC 60076-5**

Acceptable similar rating transformer type and rating: 3-winding Inverter Duty Transformer of rating 2.5MVA to 3.5MVA, HV Voltage: 33kV, LV Voltage: as per inverter voltage rating

As an evidence to this, vendor shall submit above type test reports along with offer.