

Document checklist for approval of Solar PV Module for Mini Grid, Irrigation, Solar Roof Top and Solar Grid Tied Projects

Application package:

1. Forwarding letter to ED and CEO of IDCOL mentioning model number, capacity i.e. ABC-85 (85Wp), details of the contact person, purpose i.e. mini-grid/irrigation.
2. Test report for 2 (two) samples of each model from Bangladesh University of Engineering and Technology (BUET).
3. IEC 61215 certificate for crystalline modules and IEC 61646 for thin film modules.
4. IEC 61701 Ed 2.0: Salt mist corrosion testing of PV Modules
5. IEC 61730 for safety equipment
6. PID test Certificate (IEC 62804 or equivalent)
7. ISO 14001:2004/2005 and OHSAS 18001:2007 certified from a certification body approved by International Accreditation Forum (IAF) or American International Accreditation Organization (AIAO).
8. Environmental clearance certificate from the Department of Environment.
9. Environmental and Health Safety (EHS) Assessment report/ISO 14001:2004[2005] and OHSAS 18001:2007 compliance report.
10. Data specification sheets for all models from the manufacturer.
11. Warranty certificate from the module manufacturer.
12. Agency agreement between the supplier and the manufacturer.
13. Audit report.
14. Company Profile mentioning years of operation, area of operation and status of sister concern organizations etc.

Updated On: April 2018

Application Guideline:

1. Model names of the PV modules must be identical and highlighted in all submitted documents.
2. Model names of the PV modules must be unique to avoid confusion with other applied models.
3. The panel supplier has to prove adequate response on proper implementation of EHS through documentation and physical arrangement. In case of inadequate response, they could be asked to submit EHS implementation report of six months period.

Test Report should include the following data at STC:

1. I-V and P-V characteristics
2. Output (Wp)
3. Open circuit voltage (Voc)
4. Short circuit Current (Isc)
5. Voltage at Maximum Power (Vmp)
6. Current at Maximum Power (Imp)
7. Efficiency ($\eta\%$)
8. Fill Factor (FF)
9. Maximum System Voltage (V)