



GOVERNMENT OF PAKISTAN
MINISTRY OF WATER & POWER
ALTERNATIVE ENERGY DEVELOPMENT BOARD



B/3/1/Net Met/09

13th February, 2018

Subject: Inspection of Electrical Installations for Commissioning / Energization for Interconnection of D.G. Facility with the Distribution System of DISCO for Net-Metering

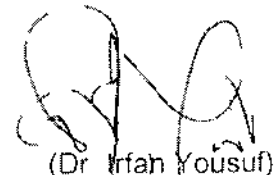
This is with reference to provisional certification of companies done by AEDB for the purpose of net metering connections up to 250 kW capacity

2 AEDB is endeavoring to take all measures to ensure quality of installations for net metering purposes. To ensure that the installations by AEDB certified companies comply with NEPRA (Alternative & Renewable Energy) Distributed Generation and Net Metering Regulations, 2015, AEDB (Certification) Regulations, 2015 and AEDB Guidelines for Consumers and Installers, AEDB requires that the certified companies must issue an Inspection Report post deployment as per attached performa and must submit it along with the net metering application together with other documents as required in above stated NEPRA and AEDB regulations to be submitted to relevant DISCO.

3. Further, all certified companies and stakeholders are advised that applications of net metering connection for new net metering installations (installed from January 3, 2018 onward) by unapproved/non-certified companies should not be entertained.

4 AEDB is working on guidelines for the renewable energy based systems installed prior to January 3, 2018 as how to get the net metering license by certified installers/vendors/service providers. The same will be issued the soonest

5. AEDB is looking forward that the certified installers must comply to above stated instructions.


(Dr. Irfah Yousuf)
Director (Solar)

Distributions:

- All AEDB Certified Companies for Net Metering

Cc:

- Registrar, NEPRA, Islamabad.
- Mr. Mussadiq Ahmed Khan, Joint Secretary (DISCO & Ent), Islamabad.
- Mr. Naveed Afzal, Assistant Director, PEPCO Lahore
- All focal persons of DISCOs.
- PS to CEO, AEDB (for info)

(SHALL BE PRINTED ON AEDB CERTIFIED COMPANY'S OFFICIAL LETTERHEAD)

Sr. No.

Dated:

Name of the Applicant/Consumer:

Address:

DISCO's Sub-Division:

Inspection of Electrical Installations for Commissioning/Energization for Interconnection of D.C. Facility with the Distribution System of DISCO for Net-Metering

[Company Name] hereby certifies that the electrical installation work at the premises and for the Applicant/Consumer stated above has been carried out by [Company Name] in full conformity of standards as per NLPRA (Alternative & Renewable Energy) Distributed Generation and Net Metering Regulations 2015, AEDB (Certification) Regulations, 2015 and AEDB Guidelines for Consumers and Installers. The particulars of the installation test results obtained by [Company Name] are given below.

Class of Premises: Residential, Commercial, Industrial, Agriculture Other

System Details:

I. X Wp KW (PV Solar Panels) Make . Model No.

II. KW On Grid Hybrid Inverter Make . Model No

Following inspections were carried out by Engineer at the time of survey:

Standards	Status	Remarks
REC Certification of PV modules verified	Yes <input type="checkbox"/>	
DC Grounding tested	Yes <input type="checkbox"/> (Ω)	
AC Grounding tested	Yes <input type="checkbox"/> (Ω)	
Lightening Arrestor installed with separate grounding	Yes <input type="checkbox"/>	
Lockable Disconnect Switch installed outside of facility	Yes <input type="checkbox"/>	
Insulation Test	Yes <input type="checkbox"/>	
Phase Continuity Test	Yes <input type="checkbox"/>	
Cable size as per standards	Yes <input type="checkbox"/>	
Cables have proper color coding	Yes <input type="checkbox"/>	
On Grid Inverter complies with UL1741 standards	Yes <input type="checkbox"/>	
Anti-standing Feature in Inverter	Yes <input type="checkbox"/>	
Circuit Breaker/Switch/Combiner Box for PV wiring (According to Panel & Inverter Ratings)	Yes <input type="checkbox"/>	
PV Mounting Galvanized & withstand windstorm	Yes <input type="checkbox"/>	
PV modules attached to mountings by stainless steel nuts & bolts using SS spring washers	Yes <input type="checkbox"/>	
Cables are properly secured with ties & used U-PVC conduit	Yes <input type="checkbox"/>	

Signed by authorized Engineer of AEDB Certified Company

Sign.

Stamp:

Name: