

Ref. No.:

## PV GENERATOR INTERCONNECTION APPLICATION

This form is for PV Generator Owners to make an application to TNB, via the MBIPV project, to interconnect a PV generating facility of less than 1 MWp with TNB system.

### Section 1: Applicant Information

Name: \_\_\_\_\_

Mailing address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Postcode: \_\_\_\_\_

Address of PV facility (if different from above): \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Handphone: \_\_\_\_\_

TNB account no.: \_\_\_\_\_ New / existing account: \_\_\_\_\_

### Section 2: PV Generator Qualifications

Is generator powered from a PV system:  Yes  No

Will excess power be exported to TNB?  Yes  No

Site demand load: \_\_\_\_\_ kW (Typical) PV installed capacity: \_\_\_\_\_ kWp

*Note: Maximum PV interconnection shall not exceed maximum site demand load.*

### Section 3: Generator Technical Information

Type of Generator:  Solar PV with Inverter  Solar PV with inverter and battery

#### **PV module:**

PV manufacturer name, type and product number: \_\_\_\_\_

Number of units: \_\_\_\_\_ Power rating in Wp/unit: \_\_\_\_\_ Total power rating in kWp: \_\_\_\_\_

Product certification:  Electrical Class II  IEC 61215  IEC 61646  Others: \_\_\_\_\_

Open circuit voltage, Voc: \_\_\_\_\_ Vdc

Short circuit current, Isc: \_\_\_\_\_ Adc

Max PV system voltage: \_\_\_\_\_ Vdc

Max power point voltage, Vmpp: \_\_\_\_\_ Vdc

Max power point current, Imp: \_\_\_\_\_ Adc

*(Please attach manufacturer's specification sheet)*

**Inverter:**

Inverter manufacturer name, type and product number: \_\_\_\_\_

Number of units: \_\_\_\_\_ AC-rating in kW/unit: \_\_\_\_\_ Total AC-rating in kW: \_\_\_\_\_

Product certification:  IEC 61000-3-2  IEC 61000-6  EN 50178  Others: \_\_\_\_\_

Input voltage: \_\_\_\_\_ Vdc

Max power points voltage, Vmpp: \_\_\_\_\_ Vdc

Max power rating: \_\_\_\_\_ Wdc

Max current rating: \_\_\_\_\_ Adc

Power output: \_\_\_\_\_ Wac

*(Please attach manufacturer's specification sheet)*

**Section 4: Interconnecting Equipment Technical Data**

**Generator Disconnect Switch:**

For d.c. side:  
 Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Product No.: \_\_\_\_\_ Rated Volts: \_\_\_\_\_ Rated Amps: \_\_\_\_\_

For a.c. side:  
 Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Product No.: \_\_\_\_\_ Rated Volts: \_\_\_\_\_ Rated Amps: \_\_\_\_\_

**Surge Protective Device:**

For d.c. side:  
 Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Product No.: \_\_\_\_\_ Rating: \_\_\_\_\_

For a.c. side:  
 Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Product No.: \_\_\_\_\_ Rating: \_\_\_\_\_

**Section 5: General Technical Information**

Enclose copy of circuit diagram including electrical ratings:  Yes  No

**Section 6: Installation Details**

Generating System will be installed by:  Approved PV Service Provider  Electrician

Installer name: \_\_\_\_\_ Company: \_\_\_\_\_

Certified Electrician License no.: \_\_\_\_\_ Approved PV service no. : \_\_\_\_\_

Business address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Postcode: \_\_\_\_\_

Telephone no.: \_\_\_\_\_ Handphone no.: \_\_\_\_\_

Installation Date: \_\_\_\_\_ Commissioning Date: \_\_\_\_\_

**I hereby certify that the PV generating system will be/ has been installed in compliance with the MS 1837: Installation of Grid-Connected Photovoltaic (PV) System.**

Signature (Installer): \_\_\_\_\_ Date: \_\_\_\_\_

**Section 7: Declaration**

I hereby certify that, to the best of my knowledge, all the information provided in this interconnection application is true and correct. I also agree to install a Warning Label provided by TNB on or near my service meter location.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Name

\_\_\_\_\_  
I/C No.

Please send completed application form including attachments to:

**MBIPV Project**

No. 2, Jalan 9/10  
Persiaran Usahawan, Seksyen 9  
43650 Bandar Baru Bangi  
Selangor Darul Ehsan  
Malaysia  
Tel: 03-8921 0865  
Fax: 03-8921 0911

**Section A: For use by MBIPV Only**

**Section A: MBIPV Approval or Non-Approval**

Programme category:  Showcase  Demonstration  Suria 1000

System capacity: \_\_\_\_\_

Financial incentive given: \_\_\_\_\_

This application is:  Approved  Not Approved

TNB Domestic / Non-Domestic\* Electricity Supply Application Forms for PV Generator Interconnection is attached  Yes \*delete whichever not applicable

Officer: \_\_\_\_\_

Checked by: \_\_\_\_\_

Signature: \_\_\_\_\_

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**Approval to connect to the TNB system indicates only that the minimum requirements for a safe and proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.**

**Section B: For use by TNB Only**

**Section B1: TNB Endorsement**

TNB Office: \_\_\_\_\_

Officer: \_\_\_\_\_

Designation: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Comments: \_\_\_\_\_

**TNB endorse that this applicant is eligible to apply for net metering under the MBIPV programme. The application is in accordance with the attached TNB Domestic/Non-Domestic Electricity Supply Application Forms for PV Generator Interconnection.**

**Section B2: Internal Notifications**

Send warning label for installing on/ near service meter to applicant.  Yes

Notify MBIPV project on TNB endorsement.  Yes

**Section B3: Commissioning of PV Generating System**

Date of commissioning: \_\_\_\_\_ Time: \_\_\_\_\_

Name of TNB witness: \_\_\_\_\_ Staff no.: \_\_\_\_\_

Inverter isolation test successful:  Yes  No

Commissioning records available  Yes, date received: \_\_\_\_\_ No