



REPUBLIC OF THE PHILIPPINES  
**DEPARTMENT OF BUDGET AND MANAGEMENT**  
BICOL REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY

**SUPPLEMENTAL BID BULLETIN (SBB) NO. 2**

This SBB No. 2 dated January 17, 2020, for the project, “Design and Build of 50KW Solar Power System of DBM-ROV,” is issued to clarify, modify or amend items in the Bidding Documents. Accordingly, this shall form an integral part of said Documents.

Section VI. Terms of Reference and Design Parameters and Specification which reads as follows:

**D. SCOPE AND DESIGN CONSIDERATIONS**

**1. 40KW ON-GRID SOLAR POWER SYSTEM**

The Designer or installer shall evaluate the suitability of identified area for installation of Solar PV module/array and conduct on-site inspection to consider existing electrical installations of the identified buildings.

- a. Design and installation of 40kW on-Grid connected PV System, which will be interconnected directly to the 230V, 3-Phase Electrical Circuit of the DBM Building. The Solar Panel shall be installed on the roof of the DBM Building and consider 8° to 20° inclination according to the approved standard.
- b. Material requirements for Design and Installation 40kW on-Grid Solar PV System includes:
  - I. High efficient Solar module. 10-years warranty on 25 years expected useful life;
  - II. Inverter Module 20kW, 60 Hz, 3 phase, VDC MPPT 390-800V, VAC=380/230V Y, 5-year warranty;
  - III. Solar Panel mounting system package use stainless steel bolts and nuts, use aluminum alloy frame of approved type;
  - IV. DC Combiner box w/ DC Protection and Surge Protection;
  - V. 50 kVA three phase dry type transformer, NEMA-1 Enclosure (Primary - 400V. 3 - Phase; Secondary - 230, 3 Phase);
  - VI. Web Monitoring;
  - VII. All other accessories as necessary (required).

is hereby **amended to include:**

“ VIII. Ultra Violet Protected Conduit”

## 2. 10 KW OFF-GRID SOLAR POWER SYSTEM

The Designer or installer shall evaluate the suitability of identified area for installation of Solar PV module/array and conduct on-site inspection to consider existing electrical installations of the identified buildings.

- a. Design and installation of 10kW off-Grid connected PV System. The Solar Panel shall be installed on the roof of the DBM Building and consider 8° to 20° inclination according to the approved standard.
- b. Material requirements for Design and Installation 10kW off-Grid Solar PV System includes:
  - I. High efficient Solar Module, 10 years warranty on 25 years expected useful life;
  - II. 10 kW Off-Grid inverter with MPPT Charge Controller;
  - III. 2 V 1520 Ah Lead Acid Deep Cycle Battery;
  - IV. Solar Panel mounting system package use stainless steel bolts and nuts, use aluminum alloy frame of approved type;
  - V. DC Combiner box w/ DC Protection and Surge Protection;
  - VI. 15 kVA three phase dry type transformer, NEMA-1 Enclosure (Primary 400V. 3 - Phase; Secondary - 230, 3 Phase);
  - VII. All other accessories as necessary (required).

is hereby **amended to include:**

“VIII. Ultra Violet Protected Conduit”

*D. Scope and Design Considerations 3. Warranty Certificates, Item C “Inverter Module 20kW, 230/400V, 3 phase, 60 Hertz dual MPPT 5-year warranty”*

is hereby **amended and read as follows:**

*D. Scope and Design Considerations-3 Warranty Certificates, Item C “Inverter Module 10kW, 230/400V, 3 phase, 60 Hertz dual MPPT 5-year warranty”*

For guidance and information of all concerned.

  
ANTONIO F. VILLANUEVA, JR.  
BAC Chairperson, DBM-ROV