



## **INDIGENOUS PEOPLES PLAN**

### **PV MAINSTREAMING PROGRAM – WINDOW 2**

#### **1. Project Description**

Solar PV Mainstreaming is a Department of Energy program that seeks to "mainstream" provision of solar home systems (SHS) as a utility service offering of electric cooperatives and other regulated electricity suppliers, which was subsequently supervised by the National Power Corporation (NPC). BUSECO is one of the electric cooperatives in the Philippines granted with 2,500 units Solar Home System Package for Window 2.

Filling an important gap in the Philippines current push to fully electrify the country's households by sometime in the 2020's, SHS will provide a reliable and viable electrification especially in far-flung sitios within the BUSECO franchise area which are isolated and dispersed.

PV Mainstreaming includes an output based subsidy, with initial financing from the European Union and the Global Partnership on Output Based Aid (GPOBA), to buy down the initial cost of connection and a regulatory framework that provides for customer payments for operations, maintenance and replacement of systems over time and thereafter BUSECO will own and maintain the SHS and also collect an amount of Php 222.00 per month in accordance to the ERC regulated and approved SHS tariff.

#### **2. Solar Home System Package**

Every beneficiaries of the PV Mainstreaming Program will receive a Solar Home System Package which include of the following items;

- a. 1 unit of Solar Panel, 50 Wp with PV cables
- b. 1 unit of system box composed of lithium battery and controller
- c. 1 unit external LED Light (with cable and switch)
- d. 3 units internal LED Light (with cable and switches)
- e. 1 unit rechargeable radio/MP3 player
- f. 1 unit rechargeable flashlight
- g. 1 unit phone charger cable
- h. 1 unit 3 meter pole, and
- i. 1 set of installation accessories

#### **3. Coverage Areas and Indigenous People (IP's)**

The target areas of the program are the far flung and mountainous area of BUSECO coverage which are isolated and dispersed. These are the municipality of Baungon, Libona, Malitbog, Manolo Fortich, Sumilao, Impasug-ong, Malaybalay City, Lantapan, Cabanglasan, Talakag and Barangay Lilingayon of Valencia City. Based on the existing data of Bukidnon, the majority of the people in Bukidnon are Cebuano accounting for approximately 41% of the total population. *The Bukidnon Lumads (Bukidnon, Higaonon, Manobo, Talaandig, etc.) account for about 24% of the total population of the province.* The Maranaos form about 8% of the total population followed by the Hiligaynon/Ilonggo and Boholano groups with 12.7% and 7.37%, respectively, of the province's total population. Since the Lumads or the IP Tribes constitute around 24% of the total population of the province we can safely estimate that there are about 600 IP beneficiaries out of



the 2,500 Households under the PV Mainstreaming Program of BUSECO. This project is expected to uplift and have positive impact on the lives of the IP's by having an access to sustainable energy that brings lights at night, improve on communications and access of information via listening radios and social media.

#### **4. Information Disclosure, Consultation and Participation and Consent by affected IP Communities**

Implementation of this program requires consultation and consent by beneficiaries which covers the following major activities;

- a. Pre-Installation
  - Beneficiaries Profiling and Marketing,
  - Process of Application and Membership
  
- b. Implementation/Installation- Releasing
  - Releasing of Solar Home System Package
  - Transport of Solar Home System from BUSECO to Beneficiaries locations
  - Installation of Solar Home System
  
- c. Operation and Maintenance
  - Maintenance and/or replacement of damage components

In the implementation of this program, BUSECO will implement the pre-cautionary measures imposed by the Department of Health (DOH) and Local Government Units (LGU) in relation to the COVID-19 pandemic. This will be complied by all personnel involve in the implementation of the program at all stages and activities. Basic pre-cautionary measure such as wearing face-mask, proper hygiene/dis-infection and physical distancing must be observe in all occasions.

- a. Pre-Installation Stage: In this stage the project will be presented to the Local Government Units (Mayor's Office, Barangay Chairman), IP Community Leaders as well with the beneficiaries of the program. BUSECO will conduct profiling through house to house survey with the local leaders such from barangay, sitio or from IP to identify the interested households. Upon identification of beneficiaries, BUSECO in coordination with the Barangay LGU and IP Leaders will conduct information and education drive about the program details from processing application and membership up to the installation, operation and maintenance as well as the benefits and safety issues of solar home system. Gathering of beneficiaries shall be limited to per Purok or Sitio cluster in consideration to pre-cautionary measures imposed by DOH and LGU in relation to COVID-19.
  
- b. Implementation/Installation Stage: Upon completion of application process, BUSECO will release the Solar Home System Package and transport from BUSECO warehouse to every locations or areas of beneficiaries. Mobilize or transport of items shall properly coordinate to the Barangay Local Government Unit, Sitio Leaders and IP Leaders to establish harmonize program activities within the community. Installation will be conducted by accredited contractors and other BUSECO personnel. During installation, all working personnel shall ensure pre-cautionary measure relative to COVID-19, also they are required to conduct health check such as body temperature and frequent disinfection of hands before and after installation activities. Those found with symptoms of COVID-19 is oblige to go home and seek medical assistance. Installers are not mandated to stay-in at

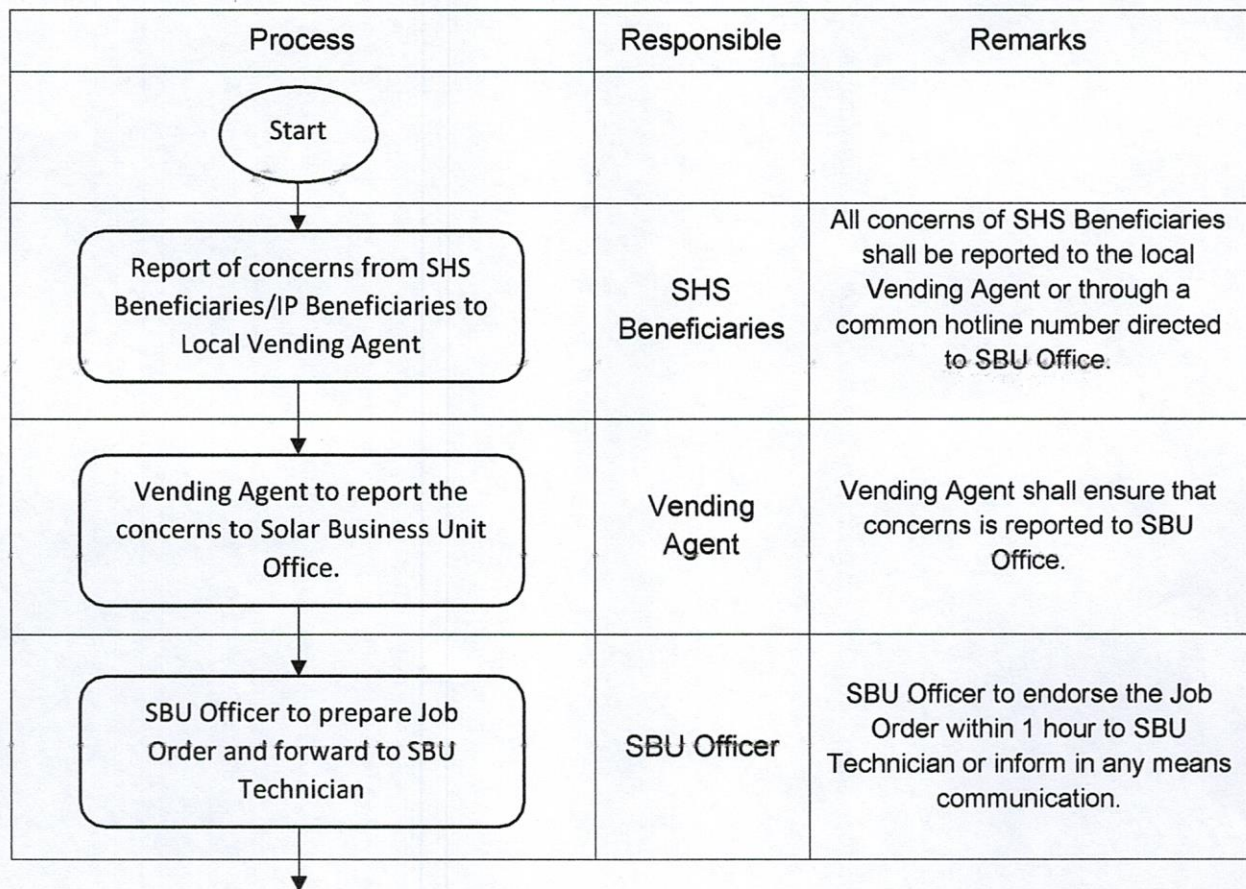


community areas but they can stay if necessary due to locational constraint and safety. Installers must work safely and always wear prescribed personal protective equipment to avoid any untoward incidents. They must conduct toolbox meeting before the activity and install safety signage and safety reminders on the site during working hours. Also, they must advise the people living in the community to stay away or keep a safe distance during the installation.

- c. **Operation and Maintenance Stage:** After the installation of Solar Home System Packages the Solar Business Unit of BUSECO will take charge of the operation and maintenance. These are composed of SBU Engineer, Technicians and Vending Agents which are in charge for operation and maintenance activities such as regular inspection, replacement of defective parts, reloading of vending machines, pull-out of solar home system units if necessary. All activities related to the operation and maintenance shall properly coordinate to any of the Barangay Local Government Unit, Sitio Leaders and IP Leaders when entering the community. Activities shall be done with outmost pre-caution related to COVID-19 to avoid infections and contaminations to the local community as well as to the Solar Business Unit personnel whom conducting the operation and maintenance.

### 3. Grievance Redress Mechanism

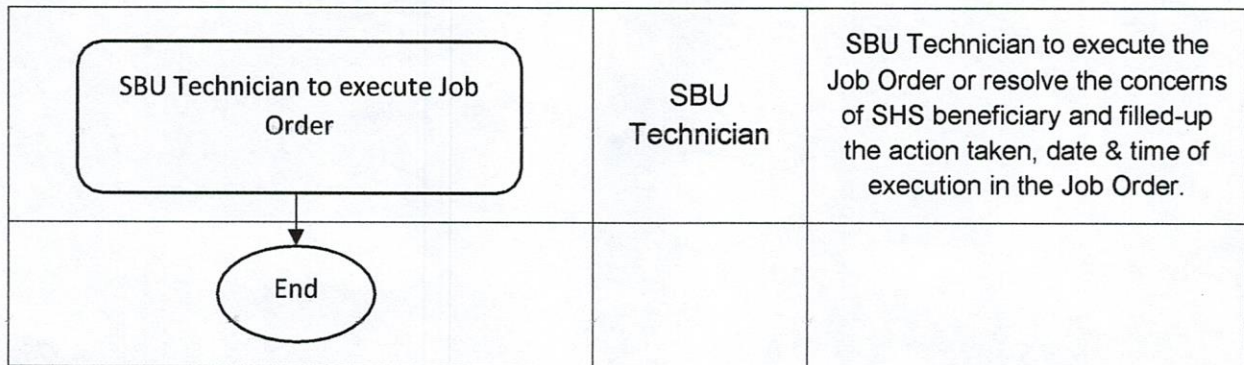
BUSECO will adopt a grievance redress mechanism (GRM) that enable affected beneficiaries specifically IPs to raise grievances or complaints with BUSECO and seek redress when they observe or notice an undesirable impact arising from the program. The Solar Business Unit head will facilitate the Grievance Redress Mechanism. This will capture all the concerns of beneficiaries and resolve effectively in fastest manner. Shown below are the GRM process flow:





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Manolo Fortich, Bukidnon

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BUSECO through the SBU Unit shall exert the best effort to served and addressed the concerns of SHS beneficiaries. Also, the beneficiaries have its vital role to prevent failures if not minimize the complaints regarding the solar home system units by following properly the manuals or instructions associated to the operation and also by taking care-of the of the solar home system units.

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