REPORT OF THE PROGRAMME CONDUCTED

Dept. of
Sree Sankara College Kalady

Title of the activity	Training programme for the Technicians of Urja Mithra - Akshaya Urja Service Centres
Date and Time	23/09/2018
Resource person	
Nature of activity	
Type of Activity	,
Linkage Activity	
Convener	
Number of participants	0

Name of program: Training programme for the technicians of Urja Mithra - Akshaya Urja Service Centres (Recognition of Prior Learning (RPL) For Technicians for Solar PV System Maintenance)
Course: Solar PV System Maintenance Technician (SGJ/Q0117)
Sponsored by: ANERT, Government of Kerala
Implemented by: CMD, Govt. of Kerala
QP / Level: Align to SCGJ_Q0117 / Level 5
Training Centre/venue: DDU Kaushal Kendra , Sree Sankara College, Kalady
Authorized Signatory: Prof. Dr. K S Kumari, Director, DDU Kaushal Kendra, Sree Sankara College, Kalady
Trainers: Geethumol P G , Yathi Ajay A V, Divya Nair V, Faculty, B.Voc Renewable Energy Management, DDU Kaushal Kendra , Sree Sankara College, Kalady

Report of the activity

The Training programme for the technicians of Urja Mitra - Akshay Urja Service Centres started in DDU Kaushal Kendra, Sree Sankara College on 24 September 2018. Principal Sri. Sambhu Nampoothiri N inaugurated the training along with Prof. Dr K S Kumari, Director DDU Kaushal Kendra and Sri. Praseetha, Principal of Adi Sankara B.Ed training college. Director specially thanked ANERT and CMD for giving the valuable opportunity for selecting DDU Kaushal Kendra as one of the 7 training centers from all over Kerala for conducting the training program.

The first day(24/09/2018) classes began with an introduction to Solar Energy Basics, later with the aid of activity based powerpoint presentations and lab activity, the topics of Solar PV module, Batteries and charge controller in a Solar System, Off Grid & On Grid Inverters, The participants were Introduced to the various tools/instruments for measurement and Practical Understanding of various system components.

The second day (25/09/2018) classes were focused on Other BoS (Earthing, Cables, LA, fuses, Combiner box, structure), Understanding system fault, Faults in PV module, Faults in a battery and Troubleshooting of PV module and battery. These sessions were also taken with the aid of powerpoint presentations incorporated with various activities and lab sessions.

The third day(26/09/2018) sessions were mainly focused on the Faults in an inverter, Faults in a charge controller, Faults in balance of systems, Precautions and safe practices specific to troubleshooting, Preparation and Maintenance of Standard Documentation and Troubleshooting of inverter and other BoS. These classes were activity oriented interactive sessions with the use of powerpoint presentation and lab activities.

The agenda for the fourth day (27/09/2018) was a Visit to a nearby PV power plant (Rooftop) and to prepare an inspection checklist on Components and various possible faults and also to take various readings. The entire day was on field activity. The site we visited was Anita Vidyalaya, Thannipuzha, Kalady, SH 1, Kerala 683550. The plant capacity was 10 kW, which was installed by KC Kopar Energy Solutions.

Outcome of the activity