Dear Sir,

RE: OGEMBO SOLAR PV SYSTEM INSTALLATION REPORT

Following our completion of the installation of a solar PV system at Mr Javan’s family homestead in Ogembo, Kisii County, Kenya, we are happy to submit our report as detailed hereunder.

I) Contract Execution

We supplied and installed a solar electric system comprising of

- 6No 185Watt/24VDC crystalline solar panels (instead of 7No 130Watt/12V modules)
- 3No 200Ah12V sealed maintenance-free solar batteries
- 1No 45Amp/12/24/48VDC MPPT charge controller with digital display
- 1No DC power combiner unit
- 1No consumer control unit
- 1No 2000Watt/12VDC inverter (instead of a 1500Watt unit)

We also carried out wiring and fitting for socket outlets and lighting points in three structures, namely Javan’s house, his father’s house and the orphanage (currently being used as a church hall).

After the installation and testing of the system and wiring, we held an end-user training in which we explained to Javan and members of the church and community among other things;

- how the system works
- how to monitor the system
- how to maintain the system
- how to use and manage energy
- how to interpret and respond to readings and indicators on equipment displays
II) Pictures

Basking in the sun

1. INSTALLATION

Setting up the solar panel mounting structure

Doing the power board
“...young man, who taught you all these things?..”

Fitting lighting points in the church hall

A member of the community mavelling at the solar array

The power board done
2. USER TRAINING

End-user training training with members of the community in attendance

“When you don’t really need lights.........”

Introducing the equipment manuals
3. THANKSGING

“We thank God.......”

“...God said, ‘Let there be light....’”

4. GOING HOME

Members of the church, some in our helmets, joyfully escort us to our pickup truck as we embark on our journey back to Nairobi
We leave behind a stormy weather well assured that the lightning arrestor at the apex of the roof will protect the system against destructive lightning strikes.

Yours faithfully,
For Suncatch Engineering,

Chris Kimani