



Nigerian Energy Support Programme (NESP)

Umon Island Solar Mini Grid Project: Second Mission Report

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Maps

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1. Preamble

The Nigeria Energy Support Programme (NESP) of the GIZ is working with the Cross River State Government to develop and implement Solar Mini Grid Project in Umon Island and Bagana Community in Biase Local Government Area of Cross River State. The Community Research and Development Centre (CREDC) is serving as the mini grid operator for the facility. Part of the operational strategies of the CREDC is to conduct sensitization workshop for two communities that will focus on the following:

- Educate the community on energy efficiency and conservation and the ways to reduce energy wastage
- Safety tips on using electrical energy for domestic and commercial applications
- Productive use of electricity in rural setting and building up small scale businesses

CREDC organized a sensitization workshop in Umon Island on Saturday 20th of May 2017 at the Community Hall. The workshop was attended by 56 participants (Appendix 1) comprising of the Clan Head of Umon South, HRH Onun Akoh Mba Akoh, community chiefs/elders, members of Umon Island and Bagana Community and the CREDC Team. The workshop also served as the forum where the Operator-community MOU was signed between CREDC and Umon Island. The CREDC Team was led by the Executive Director, Mr. Etiosa Uyigue.

2. Opening Ceremony

The workshop started at about 11:00 am. Opening prayer was made by Mr. Igajah Mbah Ekpenyong. The welcome remark was given by the Clan Head of Umon South, HRH Onun Akoh Mba Akoh. In the remarks, he expressed his gratitude to officials of the CREDC for their dedication towards the Project of the community and pleaded with community members in attendance to pay attention to the lectures. In his opening speech, the Executive Director of the CREDC told participants that the vision to bring development to places is a God given one. He then enumerated the importance of the workshop, saying that it will help to ensure the optimum performance of the Solar Mini Grid Facility. Furthermore, giving the overview of the Project, Mr. Uyigue said that the Project is funded by the Nigeria Energy Support Programme (NESP), a programme of the GIZ and the European Union with counterpart funding from the Cross River State Government.

3. Memorandum of Understanding Signing Ceremony

The draft memorandum of understanding (MOU) was read openly before the people and interpreted in their local language by one of the community Chiefs, Igajah Mbah Ekpenyong. All the attendees consented to the content of the MOU. Two copies of the MOU were signed by the representative of the Community, HRH Onun Akoh Mba Akoh and the representative of CREDC, Mr. Etiosa Uyigue. The Community Secretary, Hon. Bassey Ojoi gave the vote of thanks on behalf of the Community.



Plate 1: Clan Head of Umon South, Community Chiefs and CREDC Team

4. First Presentation

The first presentation titled “Promoting Energy Efficiency for Economic and Environmental Benefits” was made by Osazee Uyigue, the Head of Technical Unit, CREDC. In his presentation, Osazee defined energy efficiency as the use of energy in a manner that will minimize the amount of energy needed to provide services. He further defined energy efficiency as the improvement in practices (behavior) and products to minimize energy consumption. According to him, there are two approaches to promoting energy efficiency – the behavioral approach and the technological approach. On the technical approach, he encouraged the participants to replace their old and energy intensive appliances with energy efficient ones and totally avoid the use of certain

appliances such as the electric stove popularly called “hot plate”. He encouraged them to replace their incandescent lamps with energy saving lamps such compact fluorescent lamps (CFLs) and light emitting diodes (LEDs).

He enumerated the behavioral approach to include switching off outdoor lighting during the day; avoid putting appliances on standby mode when not in use; the use of central water supply system instead individual water boreholes; switching off appliances when not in use; avoid the use of secondhand appliances; and discourage the practice of using light bulbs to advertise goods. On the importance of energy efficiency, Osazee will lead to the saving of personal/family income; help more people to have access to energy; and reduce the emission of GHGs. The presentation was followed by a session of questions and answers.



Plate 2: Training in session

5. Second Presentation

The title of the second presentation was “Electrical Safety Awareness Training” and this was made by Mr. Osahon Iyalekhue, an intern in the Abuja Office of the CREDC. In his presentation, Osahon enumerated the common hazards associate with the use of electrical energy in households and how they can be prevented. He said that the various ways to prevent electrical hazards are that users of electricity should: ensure that electrical cords are void of cuts that expose the inner metallic component; not connect a life wire without a plug to an electric socket.

avoid connecting extensions box another one; ensure that electrical wall outlets are not overloaded with too many plugs; avoid using electrical appliance in wet environment.

He further told participants that they should not run electrical cables under carpets as it can lead to overheat and cause fire; they should replace electrical appliances with loose or damaged plugs and that they should switch off and unplug electrical appliances after use. He further explained that safety caps should be placed in electrical outlets to protect children from being electrocuted. On outdoor safety, Osahon explained that community members should keep an open eye for overhead cables when carrying long metallic tools or pipes or when climbing or cutting trees during the raining season or when working on roof tops. Osahon further explained to participants to check for live electric cable after heavy rainfall. To protect themselves from electric shock, he told participants to always ensure they put on footwears with insulating properties (such as plastic slippers) when handling electrical appliances and ensure that their houses are proper grounded.



Plate 3: Some participants listening with keen interest

6. Third Presentation

The Executive Director of the CREDC, Etiosa Uyigwe presented the third paper titled “Access to Electricity as Instrument of Building Small Scale Businesses” He defined business as the activities an individual or group of persons carry out to pursue an idea for the purpose of financial gain and

in order to benefit humanity. He encouraged the trainees to ensure that they have vision for their businesses. He further explained that access to electricity will give them the need energy for their business activities as well as help to access information that will boost their businesses. With electricity, they can have access information through radio, TVs and internets.

Appendix 1: List of participants

S/No	Name	Phone Contact
1	Ndem I. Aniom	07031206101
2	Ebreye Okon	08102665436
3	Onah Ekpanyang	
4	Mr Okon Ekpo Okai	
5	Mr Obo Bassey Obo	08115593336
6	Swodos Mba E.	
7	Ibe Ezo Bassey	08124897210
8	Donathou Ujuama Aunam	
9	Usnmanim Ndarake	08180211446
10	Ekpenyong Obo Ojoi	
11	Ijo Obo	09094647015
12	Ojoi Ogette Ogbanama	08134519955
13	Monday Ini Ewoh	09098552307
14	Mr Ekpo Agan Ekpo	09083232610
15	Sylvester Bassey Etim	08187414968
16	Kingsley Effiong Ana	08107082121
17	Obo Mba Obo	
18	Blessing Anuma Elien	
19	Alex Ojoi Aniyom	08148434891
20	Isaac Onah Ekpenyong	08144619286
21	Ekpenyong Ekpenyong Asquo	09063916613

22	Christie Mba Obo	08054590299
23	Daniel Aniefiok Udo	08146412378
24	Diem diem	09080068922
25	Ndanake Ndanake Ekpor	08068182034,08175844548
26	Ndenu Eru Bassey	07033429138
27	Augustine Okon Ekpo	
28	Bassey Ingany Ewa	
29	Prof Prince William Bassey	08186611124
30	Samuel Nes Mba	
31	Damian Isenson Innih	07085028112
32	Udeue Illu Udo	07065100680
33	Okpoic Uguinani	
34	Izil E. Ania	07036788131
35	William Ndarake	
36	Ndifreke Edem Udo	
37	Victor Samuel Bada	09096419648
38	Esien Ana E.	08175799930
39	Acnai Ojoi Akpe	09091959421
40	Ogette Ogette Mba	
41	Ezo Ezo Ogikem	08124702621
42	Ekpenyong Anthony Arijor	07067292124
43	Moses Ujo Obo	08186477378
44	James Sunday	

45	Hon. Onum Akoh M. Akoh	08104823244
46	Hon. Basseyy O. Anijor	08035069087
47	Igajah Mbah Ekpenyong	08063603661
48	C. E. Mba	08054047438
49	Chief Peter E. Mba	08133807385
50	Obo Agori Ugumanim	
51	Chief Mba Egom Ojoi	
52	Chief Abiam U. Isamo	08116052156
53	Ezo E. Ogirem	08124702621
54	Osahon Iyalekhue	
55	Osazee Uyigue	
56	Etiosa Uyigue	

Appendix 2: Workshop Agenda



UMON ISLAND SOLAR MINI GRID PROJECT

**Sensitization Workshop on the Efficient, Productive and Safety Use of Electricity
held this day, 20th May, 2017 in Umon Island, Cross Rive State**

Opening Session

- | | |
|---------------|--|
| 10.00 – 10.05 | National Anthem/Opening Prayer |
| 10.05 – 10.10 | Welcome remarks by the Community Head of Umon Island |
| 10.10 – 10.15 | Opening remarks by the Executive Director of CREDC |
| 10.15 – 10.25 | Overview of the Umon Island Solar Mini Grid Project |
| 10.25 – 10.35 | Signing of MOU between CREDC and Community |
| 10.35 – 10.40 | Vote of thanks by Community Secretary |
| 10.40 – 10.45 | Group photograph |
| 10.45 – 11.00 | Short break |

Training Session

11.00 – 11.15	Promoting Energy Efficiency for Economic and Environmental Benefits
11.15 – 11.20	Questions/comments
11.20 – 11.35	Safety Tips on the Use of Electrical Energy
11.35 – 11.40	Questions/comments
11.40 – 11.55	Access to Electricity as Instrument of Building Small Scale Businesses
11.55 – 12.00	Questions/comments and closing formalities