

BRIEF REPORT

on Site Demonstration Training on construction and installation of DLT pigpen with Community in Bonriki



1. Background:

The onsite demonstration training was carried out by the Kiribati International Waters Ridge to Reef Project to fulfill its component 2 on the demonstration of innovative approaches to piggery waste management at the project site in Bonriki, Te Kawai ae boou. The training was organized by Project Management Unit in collaboration with the Agricultural and Livestock Division (ALD) of the Ministry of Environment, Lands and Agricultural Development (MELAD).

2. Introduction:

The training was held on the 31st of March 2021 at one of beneficiary household in Bonriki. It was a half-day training attended by 14 households that have already received pigpen construction materials prior to the training. More than 60% of the participants are women.

The training was led by the project counterparts from ALD of MELAD Mr. Kabuati Nakabuta who is also a member of IW R2R Project Technical Task Force and Carpenter Mr. Kauaaba Uriano from ALD. Mr. Uriano is the one who construct and prepare the pigpen materials.

The purpose of the training is to trained households on how to construct and install the DLT pigpen using the pre-constructed pigpens materials. The training also covers but briefly how the system works. The PMU will organize another training to households to cover other aspect of the DLT pigpen in terms of its operation and maintenance aspects based on the manual that will be developed by the ALD.

Overall, the training was successful and the participants show interest in the practical work of setting up the system with the help of the Carpenter, Mr. Uriano. The additional explanation notes from Mr. Kabuati Nakabuta, Senior Agriculture Officer of MELAD on how the system work was acknowledged by the participants.

Methodology:

The training adopted an informal training setting that aims to demonstrate to beneficiary households how to setup the pigpens using the pre-constructed materials provided by project. Another training will be convened in 2-3 week of 2nd quarter that will explain in detail the operation and maintenance of the DLT pigpen. The training targeted the 14 households that have received pigpen materials prior the training.

There is a preparation meeting held with members of the Volunteer Piggery Waste Management Network held on the 1 of March 2021 prior the training. The meeting discussed the arraignment and logistic of the training and also agreed on households to receive the first 14 pigpens.



3. Training

The training started off with a brief meeting with the participants at the Tereretaku mwaneaba (traditional meeting house). The meeting explained to them the purpose of the training. The participants then transported to the household where the training will be held. At the site, the trainers (Mr. Nakabuta & Uriano) demonstrate how to construct and install the pigpen using pre-construction materials.

There are questions from the participants on amount of carbon material (organic material) required for bedding and how often the material need be added.

Mr. Nakabuta noted that the manual of HOW the TDL pen works will be included in detail in the manual to be produced in the next 2 weeks. He then explained briefly the building steps, how to prepare bedding, how the system works such as TDL pen cycle, the manure mixing with green waste for compost making, and the benefits of TDL in terms of reducing the pollution to ground water, reducing odor etc.

At the end of the training, Project Manager acknowledged the participants for their enthusiasm and interest as shown by their participation in the setting up of the DLT pigpen.

4. Lessons learnt

- i. Prior to the training, the participants particularly the household to held the demonstration training was asked during the preparation meeting to prepare bedding material for pigpen. However, during the training the materials are not sufficient to cover the floor of the pigpen hence the trainer was enabled to do the demonstration.
- ii. It is important to held the installation session in class room first before moving on to the practical demonstration on site. The installation parts also need to be well detailed and the steps are documented in the DLT operation and maintenance manual so they are easy to follow. Another option is to engage those that have attended this training to help other households install their pigpens.
- iii. The Warden Councilor was very instrumental in the coordination and with the ground logistical arrangements for the training.

5. Annex

Annex 1. Photos

Annex 2. Participants list

Annex 1. Photos



Figure 1. Mr. Kabuati N. explained how to setup the pigpen and what material to go inside the pigpen



Figure 2. Participants setting up the DTL pigpen



Figure 3. Mr. Kabuati N explained to the beneficiary household how to prepare the floor of the pigpen using organic materials



Figure 4. Pigpen completed with roofing left

Annex 2. Participants List

week 52 : 2-363

On Site Demonstration Training

JANU
Sun
New Year

1- Otiria Timon	F
2. Butrata Rauventi	T
3- Tebanikanawa Telowan	F
4. Akineti. Atata	F
5. Anafatia. Eketi	F
6. Betirake. Tokanang	F
7. Kirimaua. Buea	M
8. Mweretaka. Letawa.	M
9. Abeton. Toobem	M
10. Emeteli. Iotita.	F
11. Kekeia. Urano.	F
12. Teribauea. Mikaio	F
13. Atamai. Tekaiie.	F
14. Boutara. Obwaia.	F

July : 22
M T W T F S S
1 2 3
4 5 6 7 8 9 10

August : 22
M T W T F S S
1 2 3 4 5 6 7
8 9 10 11 12 13 14

September : 22
M T W T F S S
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18

October : 22
M T W T F S S
1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

November : 22
M T W T F S S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27

December
1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31