

2013-14

A
Report
On
Training
On
**'OPERATION & MANAGEMENT OF
LOW COST TECHNOLOGY ORIENTED
INCOME GENERATING ACTIVITIES'**

December 09, 2013

@ Shillong Science Centre, NEHU, Mawlai

Organized by
**North Eastern Region Community
Resource Management Project
(NERCORMP)**

In Collaboration With
*State Council of Science, Technology & Environment,
Shillong*

Prepared & Submitted by -
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COORDINATOR (NR) & MARKETING COORDINATOR

The Training Program



The training on 'Operation & Management of Low Cost Technology oriented Income Generating Activities'' was organized jointly by the Natural Resource Management & Marketing Sector of NERCORMP in collaboration with State Council of Science, Technology & Environment, Shillong on December 09, 2013 at Shillong Science Centre, NEHU Campus, Mawlai. A total of 12 participants (Business

Development Officers', Natural Resource Management Organiser, Project Technical Officer & NGO Representatives) from six District Support Teams' were participated in the training. The training programme includes class room training, hands-on and group work by the participants.

Objectives of the Training

1. To impart training on operation & management of low cost technologies.
2. To familiarize methods & techniques of construction and fabrication of low cost technologies.
3. To promote setting up income oriented low cost technology based units.

Methodology of the Training

- Class room training, live practical training, and group work by the participants.

Program Highlights

December 09, 2013

- Inaugural function.
- Classroom session by Mr. S. L. Mawphlang, Assistant Program Officer, State Council of Science, Technology & Environment (SCSTE), Shillong.
- Introduction to the working of SCSTE.
- Live Practical Session by Mr. Shan Wanniang, Resource Person cum Trainer.
- Introduction to the operation & management of Organic Composting.

- Introduction to the operation & management of Low Cost Cold Storage.
- Introduction to the operation & management of Bio-mass drier.
- Closing function & Certificate distribution.

Training

9:00 AM – 9:30 AM: Registration/ Attendance of the participants.



The training programme was started with welcome address by Mr. Mihin Dollo, Coordinator (NR), NERCORMP, Shillong. Mr. Dollo in his address expressed deep gratitude to Shri. L. Baite, Managing Director, NERCORMP for providing the opportunity to organize a training specific for rural communities of the project areas. He also expressed gratitude to Shri. K. Hrishikesh Singh, Director (Administration) for his kind presence and support during

the programme. Further, he thanks to Ms. R. Thangkhiew, Officer I/C Member Secretary, SCSTE, Ms. V. Lyngdoh, Asst. Project Coordinator and entire team of SCSTE for their support and collaboration with NERCORMP in organizing the training. He also thanks Mr. T. Kharbuli, Curator, Shillong Science Centre for providing the venue and other logistic necessity for the programme. He welcomes all the official dignitaries, resource person and the participant in the programme.

Inaugural Address by Chief Guest, Shri. K. Hrishikesh Singh, Director (Administration), NERCORMP - The Director (Administration) inaugurated the training program and welcomed all the participants in the program. He in his address mentioned about the importance of Low Cost Technologies and also highlighted the need in the rural areas of North East India for livelihood development. He appreciated Ms. R. Thangkhiew and team of SCSTE for their active support in organizing the training program. He also appreciated Mr. T. Kharbuli for providing the venue. He asked all the participants to take active part in the training programme and replicate it all across the project villages for the betterment of the rural poor.

Felicitation Ceremony by NERCORMP – After the inaugural address, the Coordinator (NR) along with the participants felicitated the dignitaries.



Vote of Thanks by Ms. V. Lyngdoh, Assistant Project Coordinator, SCSTE – At the end of the inaugural function, the APC thanked the entire team of NERCORMP for their initiative and also welcomed all the participants in the training program.

Class room session by Mr. S. L. Mawphlang

In the class room session, the APO introduced the participants with the mission, function and programs of SCSTE. He also introduced the participants about the different technologies propagated by SCSTE like –

1. Low Cost Sanitation.
2. Water Conservation & Management.
3. Energy Conservation & Water Purification.
4. Low Cost Storage, Multi-purpose oven & chulha's.
5. Others.



Demonstration of the Low Cost Technologies

After the inaugural session, all the dignitaries and the participants were welcomed by the team of SCSTE for the live demonstration of Low Cost Technologies.

Practical training by Mr. S. Wanniang –

Organic composting:

He highlighted about the importance of vermicomposting in upland agriculture towards organic farming.



Vermicomposting is a technique for rapid decomposition of biodegradable waste and other living biomass like unwanted weeds by using earthworms in the presence of micro-organisms under aerobic condition. It is an eco-friendly and organic rich manure for agriculture, horticulture and floriculture. Further, he highlighted the structural details, construction techniques and stepwise methods of preparation of bio-composting.

Low cost cold storage:

Storage of fruits and vegetables are one of the most important aspects of post-harvest management in agricultural and horticultural sector. Huge post-harvest losses have been estimated by different agencies and one of the main reasons is lack of proper storage facilities. Refrigerated cool store is considered to be the best method of storing fruits and vegetables. However, this method involved high capital investment and energy intensive. Therefore, low cost cool storage without using electricity is a viable option for rural areas where there is no or limited electricity. Mr. Wanniang highlighted these importances and provided practical training on structural details, construction techniques and methods of storing of fruits and vegetables in low cost cool storage.



Fabrication of the Low Cost Bio-mass Drier – Mr. Mawphlang introduced the participants with the fabrication process of the bio-mass drier.



He informed that the technology have been developed in IMMT, Bhubaneaswar by Prof. S. Khuntia, who has also developed the technology of low cost water filter with candles made of terrafil clay.

The outer size of the drier is 6 ft x 2.5 ft and the size of one tray, which is used inside the drier, is 5 ft x 2 ft.

One drier consists of four trays and the capacity of each tray is 15 kgs (in case of vegetables) and 20 kgs (in case of meat products).

In case of vegetables, the drier takes normally one hour to one and half hour for drying whereas in case of meat products, it takes normally one and half hour to two hours for drying.

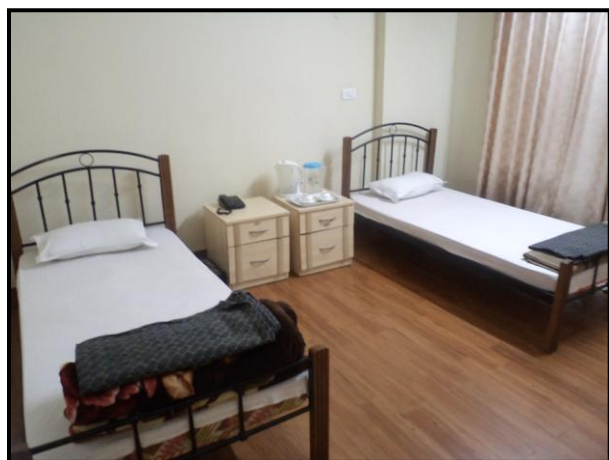
Closing Ceremony & Certificate Distribution – At the end of training program, the Marketing Coordinator appreciated the sheer efforts of all the participants and wishes them good luck for their future.

The Curator of Shillong Science Centre, Mr. T. Kharbuli appreciated the entire team of NERCORMP & SCSTE for their sincere efforts in making the program successful and also welcomed both the organization in near future.

In the closing function, certificates were given to the participants for their sincere effort with good wishes.

At the end of the program, Ms. V. Lyngdoh wished every participant for a bright future and thanked each & every person from NERCORMP & SCSTE for their cooperation in making the program successful.

Accommodation



The participants' were provided with accommodation during the training program at NEHU New Guest House, which has been recently constructed & is a state of the art infrastructure in the NEHU Campus; normally used by the University for providing hospitality to the guest from abroad.

Conclusion

The training on 'Operation & Management of Low Cost Technologies" will help the project in establishing new units at home scale level.

List of Participants

<u>S.No.</u>	<u>Name</u>	<u>Designation</u>	<u>Place</u>	<u>Gender</u>
1	Mr. Pankaj Kumar Sarma	Business Dev. Officer	Dima Hasao, Assam	Male

2	Mr. Basanta Singh	Natural Resource Management Organiser	Dima Hasao, Assam	Male
3	Mr. Bitupan Bora	Business Dev. Officer	Karbi Anglong, Assam	Male
4	Mr. Paresh Kalita	Natural Resource Management Organiser	Karbi Anglong, Assam	Male
5	Mr. Saurabh Bose	Business Dev. Officer	Senapati, Manipur	Male
6	Mr. Jagadish Laishram	Natural Resource Management Organiser	Senapati, Manipur	Male
7	Mr. S. Luckson Shimray	Finance & Accounts Assistant	Ukhrul, Manipur	Male
8	Mr. T.R. Son Raikhan	Supervising Officer, Manna NGO	Ukhrul, Manipur	Male
9	Ms. Thokchom Reena	Business Development Officer	West Garo Hills, Meghalaya	Female
10	Ms. Jennifer Khumlo	Natural Resource Management Organiser	West Garo Hills, Meghalaya	Female
11	Mr. Podinsmen Passah	Natural Resource Management Organiser	West Khasi Hills, Meghalaya	Male
12	Mr. John Wanniang	Supervising Officer	West Khasi Hills, Meghalaya	Male

(Mihin Dollo)
Coordinator (NR)

(Abhijeet Sarkar)
Marketing Coordinator