

**Ten (10) days training for selected members of maintenance crews
i.e. the MLGU employed foreman, the BLGU employed Road
Maintenance Master and the UBA infra point person
on
Labour Based Routine Road Maintenance Technology
Applications
COMPOSTELA VALLEY**

INTRODUCTION

Due to UDP's assistance, the present agriculture development and resource management by upland communities has changed. Good examples of the Sustainable Upland Development (SUD) model can now be observed in all UDP-covered municipalities but the vast track of uplands is still under severe threat of deterioration due to ongoing unsustainable land use. Thus, there is still a need to increase the modelling process in more barangays and sitios to facilitate replication by upland farmers with the support of their Local Government Units (LGUs). Simultaneously, more needs to be done during the extension phase to support the schemes of the SUD model. One of these schemes is the Labour Based Routine Road Maintenance (LBRRM) Scheme on vital barangay farm to market roads and trails.

UDP support will be for roads and trails that were earlier rehabilitated by the LGUs with Programme and Makamasa support.

In the AWP/B for the extension period, the following activities for the LBRRM are approved:

- Capacity building for stakeholders
- Support for wages of maintenance crews
- Provision of tools to maintenance crews
- Cross visits

Regarding capacity building the following is agreed as specified in attached policy guidelines:

There will be three types of training

1. Training/orientation (TOT) of the MEOs on LBRRM scheme (estimated two days)
2. Barangay LGU officials/CBO/UBA orientation/training (estimated two days)

3. Maintenance crew hands-on training (such training is estimated to last about two (2) weeks)

This training document deals with training number 3, Maintenance crew hands-on training

The Training

I. Objectives

The approximately ten day training in each province will cover an overview/refresher on UDP objectives to the MLGU employed foreman, the BLGU employed Road Maintenance Master, and the UBA infra point person. Specifically they will be oriented on the LBRRM scheme and concretely apply the various technologies that will address all problems that are affecting the sustainable use of upland barangay roads

At the end of the training, the MLGU employed foreman, the BLGU employed Road Maintenance Master, and the UBA infra point persons will:

1. fully understand the scheme and the solutions to tackle the maintenance issues on Barangay Roads and Trails.
2. be able to concretely apply the different road maintenance technologies they have practiced on-site.

II. Course Content and Methodologies

1. Training Management:

This ten-day hands-on training will be conducted by MEO-MLGU with full time assistance/back-up of the UDP employed engineers. The Training will be done in selected Barangays identified thru AWP 2006 listing project areas.

2. Training Activity:

The training activity will cover ten (10) days;

Day 1, will be used to give the training overview and a refresher lecture and discussion on UDP's model and its schemes, specifically the LBRRM scheme for which the flip chart presentation and other materials will be used. It will also include a field visit with walk-thru of a good sample Barangay road section where all problems and technologies applicable for upland Barangay roads can be observed, shown, and introduced to the training participants

During Day 2 to Day 10, the actual technology application will be done on selected road sections. Each day one or more technologies will be applied/demonstrated to the trainees.

Day 2 and 3 and 4:

Vegetation control

- Demonstrate appropriate vegetation control (cutting and disposal, no clearing!)

In respect of drainage, with the aim to emphasize that water has to get off road surface as soon as possible during and after rains|:

- Effective side canal digging using frame, proper sizing, cleaning of canals, where to throw the dug up materials
- Proper hump construction
- What to do when there is rock, and digging side drain impossible, reverse slope
- What to do when soil is sandy and drains erode easily
- Make a good turn out, identify best location, scour checks to protect outlets through energy dissipaters, boulders, madre de cacao etc

Day 5, 6

Road repairs

- Repair pot holes, rills and ruts
- Repair depression area
- How and where to do stock piling

Restoring the road surface

- Good crowning of road surface using frame and stockpiled aggregates, how to apply the aggregates, how to compact

Day 7:

Culvert maintenance

- Protection of culvert inlet and outlets, demonstrate proper technologies, clearing of culverts, rip rap

Day 8, 9:

Erosion control, Land slips, slides

- Repair eroded area, slip
- Live check dams
- Grass barrier silt trips
- Demonstrate sandbagging for upper slopes with madre de cacao a.o.
- Demonstrate sand bagging for landslips with madre de cacao a.o.
- Where to plant trees

Day 10: Assesment, action planning

Detailed Training schedule activity

Session/ Day	Module/ Topic	Objective	Output	Methodology	Training Aid	Facilitator/ Resource Person
DAY - 1						
8:00 – 9:00 a.m.	Arrival and registration of participants		List and Names of participants	Check attendance and roll call	Attendance sheet	Secretariat
9:00 – 9:45 a.m.	Refresher topic on the main objective of UDP	To review the UDP's objective and the development accomplishment specific to the area.	Determined level of understanding and impact of UDP's development intervention in the area.	Review UDP objectives through participatory discussion among participants	Sharing of participants understanding to UDP	UDP Facilitators
9:45 – 10:00 a.m.	Refreshers topic on the LBRRM and the other 4 scheme orientation	To inculcate the importance of the LBRRM scheme and the relationship to other scheme.	Determined the level of understanding of participants on the four schemes.	Input - Discussion	Projector and orientation document	UDP Facilitators
10:00 a.m. – 5:00 p.m.	Field visit to observe all problems, technologies required, some demonstrations by crews, who should be around		Full understanding on the technical issues	Field on site discussion and sharing of technologies applied and determine road section need for intervention.	Project site with a good sample of upland road section Road Network Map	UDP facilitator/MLGU engineers,UBA CREWS AND Barangay Officials.
5:00 p.m. – 7:00 evening	Presentation on role of BLGU and the UBA/Crew Worker	Discussion and agreement on MLGU/BLGU and the UBA/Working Crew.	Level-off role and responsibilities among MEO engineers to BLGU, UBA	Inputs – Open Forum and Discussion	Discussion paper on the role of MEO-MLGU, BLGU and UBA.	UDP Facilitator/MLGU engineers

DAY – 2-9	SEE TOPICS MENTIONED AND SPECIFIED FOR EACH DAY ABOVE					
8:00 – 9:00 a.m.	Arrival			Check attendance/roll call		
9:00 – 10:30 a.m.	Hands-on Training on Site	To concretely introduce road maintenance technology on site.	Applied technology on site	Actual application on site.	Road section on site	MLGU-MEO
10:30 – 10:45 a.m.	Break for Snacks					
10:45 – 12:00 noon	Hands-on Training on Site	To concretely introduce road maintenance technology on site.	Applied technology on site	Actual application on site.	Road section on site	MLGU-MEO
12:00 – 1:00	Break for Lunch					
1:00 – 3:30	Hands-on Training on Site	To concretely introduce road maintenance technology on site.	Applied technology on site	Actual application on site.	Road section on site	MLGU-MEO
3:30 – 4:00 p.m.	Hands-on Training on Site	To concretely introduce road maintenance technology on site.	Applied technology on site	Actual application on site.	Road section on site	MLGU-MEO
4:00 – 5:00 p.m.	Hands-on Training on Site	To concretely introduce road maintenance technology on site.	Applied technology on site	Actual application on site.	Road section on site	MLGU-MEO
Day -10	Comprehensive assessment on the conduct of the ten days training	Synthesis of the training conducted.	Training document output.	Input discussion	Minutes and daily records.	MLGU-MEO

III. Operating details

A. Participants

**M-LGU: LGU Engineer
LGU Foreman**

B-LGU: Road Maintenance Master

UBA: Infra Point person

B. Venue

Barangay Hall and selected road

C. Schedule and Duration

Ten Days Schedule

PPO1: 11 crews X 3 = 33+MLGU engineers 2+ UDP engineer 1.

Total 36 participants in 2 batches

Crews:

1. Maco Mapaang purok 1,2 & 3 (site proposed)
2. Mabini Caboyuan Bonglas
3. –do- Pagsilaan
4. Laak Kilagdin, Recena
5. Laak Kilagdin, Picamagan
6. Laak Kilagdin, Pygayuma-Naga
7. Laak Kilagdin, Malig-ot
8. Laak Kilagdin,Lantud-Tinublag
9. Laak Longanapan, Pigkutan
10. Laak Longanapan, Bitaugan
11. New Bataan, Cabinuangan, purok 10,11 (site proposed)

D. Resource Persons/Training Staff

MEO Engineers - 2 engineers
UDP-PPO Engineer - 1

E. Budget details and assumptions

Board and Lodging for 10 days for 36 persons:

36 persons x Php 200.00/person x 10 days = Php 72,000

Resource Person allowance:

2 LGU Engineers: Php 500.00 x 10 days = Php 10,000

Tools:

Measuring Tape(2 meters):

Php 30.00 x 11 unit = Php 330

Other tools on site

Others, transport etc. 36 X 100 = Php 3,600

TOTAL Php 85,930

Tool sets for the various practicums for Day 2-9 should be on site

Dates:

Batch 1: Maco Mapaang purok 1,2 & 3 from to

Batch 2: New Bataan, Cabinuangan, purok 10,11 from.....to