

DENR SPECIAL ORDER NO. 763 SERIES OF 1993

'JUN: 1 8 1993

SUBJECT:

Authorizing DENR Personnel to attend training on Hand-Made Paper for Community-Hased Management of Logged-over Areas in the Philippines.

In the interest of the service and to provide a venue for the improvement of knowledge and skills on Hand-Made Paper Making, the following personnel are hereby authorized to participate in the scheduled training, sponsored by the Pilot Project on Community-Based Management of Logged-over Areas in the Philippines on June 16-18, 1993 at Presentacion, Camarines Sur:

1. CFP Regional Coordinator

2. Project Management Officer for the Pilot Project

3. BREDCI Members

4. CM-LOA Project Staff

5. CFP Secretariat Staff

All participants required to attend all the sessions and practicum of seid training. The participants are expected to implement the learnings in the project.

Travelling expenses shall be shouldered by the Community-Based Management of Logged-over Areas in the Philippines Fund, subject to the existing accounting and auditing procedures.

This Order takes effect immediately.

Undergeoretary for Matural Resources
Management and Field (peration

TRAINING COST ESTIMATE

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Leader : P 200/hr. x 8 hrs./day x 5 days	P 8,000						
Asistant : P 150/hr. x 40 hrs.	6,000						
Board and lodging : 2 persons x 5 days x 150/day	1,500						
Transportation cost of trainors, 2 x P500	1,000						
Sub-total							
Materials :	P 16,000						
' Plastic pails, 25 1 cap, 4 pcs., P90/pc	360						
Mold and deckle, bamboo materilas, 2 pcs. P350/pc.	700						
Sodium hydroxide (NaOH), 2 kg, P90/kg	540						
Calcium hypochlorite, 2 kg, P280/kg							
Sumfactant 2 kg. P280/kg	560						
Potassium hydroxide 4 kg. P90/kg.	560 360						
Alum, 1 kg. P100/kg							
Rosin 1 kg. P100/kg	100						
Dyes, assorted colors 5 packs P100/pck	100						
	500						
Plastic sheet, 0.1mm thick polyester 20 meters, P50/m	1,000						
Sub-total	P4,780						
Meals and snacks of participants:							
15 participants x 3 days x P100/day	P4,500						
GRAND TOTAL	P25,280						

TRAINING DESIGN FOR HANDMADE PAPERMAKING AT PRESENTACION, CAMARINES SUR

Trainors: Two (2)

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Duration of Training: Three (3) days

Expected Number of Participants: 15

Objectives:

* To improve knowledge and skills on how to prepare pulps for handmade papermaking (HMP);

- * To improve the techniques on how to produce good quality and decorative paper; and
- * To know how to safely handle wastewater during HMP

Expected Outputs:

At the end of the training the participants will have:

- * known the properties required for a suitable raw material for paper and how to prepare such material prior to pulping;
- * known the different pulping processess and the steps involved in each type of pulping methods;
- * learned the techniques involved in stock preparation and in the use of papermaking additives;
- * have made pieces of export-quality, decorative paper for varied purposes; and
- * known how to treat, reuse and dispose off wastewater.

Activities

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- 1 Collection and preliminary treatment of raw materials Pulp preparation- cooking, washing, pounding, beating and screening
- 2 Bleaching, dyeing, preparation of paer additives Stock preparation, paper making
- 3 Continuation of papermaking activities; evaluation of the products

Mechanics:

The participants will be divided into three groups. Each group will have hands-on experience in each of the stages of handmade papermaking.