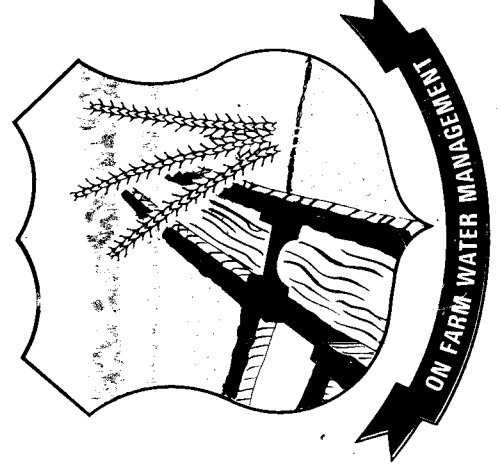


NATIONAL
CURRICULUM GUIDE
IN
ON-FARM WATER MANAGEMENT

Water Management
Training Institute Punjab
13-KM. MULTAN ROAD
LAHORE PAKISTAN



A CURRICULUM GUIDE
IN
ON FARM WATER MANAGEMENT

Developed In Collaboration with:

First National Training Conference;
Curriculum Committees of the Conference;
Faculty and Professionals in C. F. W. M.;
Institute and Provincial Centers;
Cooperating Funding Agencies

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Lahore

October 1984

P R E F A C E

This Curriculum Guide has been completed as a result of the National Conference in Training and Curriculum Development held in early 1984 at the Water Management Training Institute. Many people in various committees have worked to establish this curriculum which meets the needs to these professionals working in On-Farm Water Management Teams.

This Curriculum Guide has in-puts from each of Provinces and Training Centers and the University of Faisalabad as well. It is to be used as a tool by trainers to make up their lesson plans and to produce teaching modules based on the subject area goals presented.

The curriculum presented here has changed much from the curriculum of six or seven years ago, which was basically related to watercourse design and construction and precision land levelling. Irrigation agronomy is a vital aspect of the curriculum in water management. Additionally, there has been a growing emphasis to provide training in Development Economics and Rural Sociology and this is also reflected in this document.

It is hoped that this Curriculum Guide will help the trainers of all the On-Farm Water Management Training Institutes/Centers in the country.

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Lahore 20th October, 1984.

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ENGINEERING

CURRICULUM GUIDE FOR WATER MANAGEMENT SPECIALISTS, ASSISTANT
AGRICULTURAL ENGINEERS AND AGRICULTURAL OFFICERS.

INSTRUCTIONAL TIME = 112 hrs
 FIELD/PRACTICAL TIME = 213 "
 Total = 325 "

TOPICS TO BE COVERED	MAJOR GOALS	Class Time		Materials
		Field	Practical	
A. Introduction.	1. The students should become acquainted with the irrigation water potential of Pakistan.	½ hour	-	Maps
	2. The students should know about the development of irrigation system in Pakistan.	½ hour	-	Charts
	3. The students should be familiar with the merits and constraints of the Indus Basin irrigation system.	½ hour	-	Library
	4. The students should understand On Farm Water Management Project, its set-up and working.	1 hour	-	Reference for Reading
B. Farm Irrigation System.	1. The students will become familiar with the watercourse, right of the watercourse and its alignment and diversion to field ditches at given points.	½ hour	-	
	2. The student will become familiar with the types of outlets how they work.	2 hour	-	Class Notes.
	3. The students will become familiar with turn system or <u>wara bundi</u> system and Canal Act related to farm irrigation system and legal implications involved in water-course improvement.	1 hour	-	
		6	0	