

CHAPTER - XII

TRAINING NEEDS, TRAINING ABILITY OF INSTITUTES, WATER HARVESTING INITIATIVE

CHAPTER - XII

TRAINING NEEDS, TRAINING ABILITY OF INSTITUTES, WATER HARVESTING INITIATIVE

12.0 GENERAL

Though traditionally water harvesting is in practice in our country since ages, the renewed interest in water harvesting and recharging is because of fast depleting and polluting water resource. There is growing awareness about the conservation and wise use of water. This has now necessitated that people from various cross section and levels shall be suitably trained in methods, procedures and practices of water harvesting. The approach to such training programme shall be one of a scientific approach with much focus on innovative technologies of water conservation, harvesting and augmentation. Special training is needed to be provided in the preparation of projects, designs and construction of water harvesting systems including usage of local and low cost materials in the building and construction of such harvesting and recharge systems that shall have public acceptability at local & required level.

At national level the CGWB a Central agency and at State level, a State Ground Water Board as well as WALMIS and ITT's have capacity to undertake and impart training in watershed management, water harvesting, and conservation and recharging works.

It would be desirable that IIT's who are already engaged in watershed training programme may exclusively be made responsible to cater to the watershed management training needs in the region of their location. The CGWB/CWC can together provide training in water harvesting and water recharging including design aspects of harvesting and recharging systems at their academy/institute. Since the training needs shall be of gigantic scale, training can also be imparted by WALMIS / Universities to meet the local specific training needs of a block or a panchayat.

These organizations shall prepare training programme with the help of consultants / NGO's having sufficient proficiency in the subject discipline which can be approved for adoption by Drinking Water Mission in the Department of Drinking Water Supply under MORD. The technical guidelines for specific theme areas under various agro – climatic and hydrologic environment can be prepared by CGWB and CWC who are the repository of groundwater and surface water and related data for whole of the country at their Data Bank site

As a matter of fact MORD should form groups for preparing training modules for the local areas / regions with representatives from State Departments of Water Resources, Rural Development, Panchayat Raj and Agriculture Departments.

12.1 TRAINING MATERIAL

The end result of training & education of field level persons, farmers & Water User Groups and Associations is to enable them making a wise & efficient use of water & ground water through water conservation.

The modules can be:

- Hand outs with simple material with sketches and design of water harvesting system in natural & regional languages
- Case studies / success stories including demonstration material
- Approach to training through participatory mechanism

The can be & single figure stimuli about the need of person to be trained as it is intended that every body should have education & knowledge of water source & water conservation measures as each drop saved would mean energy saved & humanity served well.

The training and training material will provide a long-term utility to the harvesting and recharging activities. A series of training modules therefore would need to be prepared on following:

- i) Basic criteria for site selection for water harvesting
- ii) Design aspect of Rainwater Harvesting and Groundwater Recharging System
- iii) Synergies between Govt. organizations & NGO's / VO's and Media personnel and women groups including Self Help Groups (SHGs).
- iv) Material and cost estimate for different Harvesting Systems
- v) Traditional Harvesting System vis-a vis piped water supply system.

The training modules shall be adopted into packages which will consist of CD-ROM, overheads and short booklets etc and used widely via inter-governmental organizations and through websites etc. The Regional and web-based networks of website will help to perpetuate training and education work of many interested groups. Training material shall also be distributed to key-users, school and college students and teachers and researchers and others.

The training programme shall be both for technical personnel and managerial level personnel including training of watershed committee members and volunteers and woman groups.

Capacity building through Technical assistance and training can be provided by following institutions.

1. IITS
2. WALMIS
3. CGWB / SGWBs
4. Local area academic Institutions
5. NIRDS / SIRDS
6. GP's