

## WORKSHOP ON WATER HARVESTING AND MANAGEMENT

A three day long training programme on Water Harvesting and Management for the farmer of Senapati district, sponsored by School of Agriculture (IGNOU), New Delhi was organized by KVK-Sylvan, Hengbung, Senapati in collaboration with IGNOU Regional Centre, Imphal at its campus from 3th — 5th November 2008. Wide publicity about time, date and venue of training programme was made through both Electronic and Print Media and inaugural function and concluding function of the training programme were covered by Doordarshan and Local Dailies. The technical sessions of the training program were photographed and video recorded for documentation.



**Dr. R.K. Ranjit Singh, Regional Director Imphal RC distributing the participation certificate**

### **Day-I (3rd Nov.,2008) [Training Schedule Annexed]**

In the morning session registration of the trainees was done under the guidance of Er. Mukesh Kumar, Lecturer, SOA, IGNOU which was followed by Inauguration of the training programme by Chief Guest Shri T.N. Haokip, Minister for PR, Manipur. Dr. B S. Hansra, Director. SOA-IGNOU and Dr. Hamida Abdi, Advisor, DBT, Government of India also attended the inaugural function as President and Guest of Honour respectively. Dr. R.K. Imotomba Singh. Programme Coordinator, KVK-Sylvan delivered the welcome address on behalf of collaborating organisations followed by speech from all the dignitaries on dais. Mr. Paominlen Kipgen, Secretary, FEEDS/KVK-Sylvan thanked all the dignitaries, invitee, participants etc. for their presence in the inaugural function. He also thanked Director, SOA-IGNOU for bestowing the responsibility of organizing training on KVK-Sylvan.

After the inaugural function the trainees/participants were administered pre-test questionnaire by Er.Mukesh Kumar, Lecturer, SOA-IGNOU followed by afternoon technical session of the training programme on topic “Background, Concept, Scope and Importance of Watershed Management” delivered by Er.Mukesh Kumar. The next topic was on “Concept, Needs and Importance of Rainwater Harvesting in Hilly Areas” which was discussed and presented by Dr. R.K. Imotomba Singh. The last talk of the first day was on “Rainfall-Runoff relationship and their measurement”

presented at length by Er.P.T. Sharma, Asstt. Prof. Department of Agri.Engg.,College of Agriculture, CAU. Imphal which was ended with a short group discussion.

### **Day-II (4th Nov.,2008)**

The morning session of the training started at 10:00 am with the topic “Rainwater Harvesting Method and Including Indigenous Methods” presented by Ms. Nongmaithem Jyotsna, SMS(Agronomy), KVK-Sylvan and she also discussed in depth on the topic “Component of Rainwater Harvesting System”. In the afternoon session a field visit cum demonstration was organised to demonstrate local water harvesting and storage structure. The trainees were taken to the nearby villages where a few progressive farmers practiced rooftop rainwater harvesting and other harvesting structures including dug out pond. During the visit one of the progressive farmers who was also a trainee explained in detail about the rooftop rainwater harvesting through on hand demonstration followed by question and answer session.



Participants of the three day workshop on Water Harvesting –Krishi Vigyan Kendra,Henbung

### **Day-III(5th Nov.,2008)**

Morning session of the training programme was started with lecture from Prof. N.Nabachandra Singh, Prof. & Head, Deptt. of Agronomy, CAU, Imphal on the topic “Storage and Utilization of Harvested Rainwater for Crop Production” followed by the talk on “Optimal Utilization of Harvested Rainwater for Domestic and Industrial Purposes” which was discussed and presented by Er.Sonamani Singh, SMS(Agri.Engg), KVK-Chandel. In the afternoon session Er.P.T. Sharma discussed at length on the topic “Artificial Ground Water Recharge” followed by a short period of interaction. After the technical session the trainees were administered with Post-test questionnaire by Er. Mukesh kumar.

**Valedictory function** was held with Dr. R.K. Ranjit Singh, Regional Director, Imphal Centre as the Chief Guest. On this occasion Dr. R.K. Imotomba Singh as the President of the function gave the briefing and recapping of the entire training programme followed by distribution of certificates to the trainees by the Chief Guest. And feedback of the trainees were also collected with the help of Participant Course Evaluation format (Annexed) consisting of 16 questions. As the concluding part

of the function Dr. R.K. Imotomba Singh extended his sincere thanks to Regional Director, IGNOU-Imphal Centre, Resource Persons, all the staffs of FEEDS/KVK-Sylvan, participants for their keen interest in the programme and also to those who were directly or indirectly associated with the training programme.

**Background Information of Trainees:**

A total of fifty-five (55) Trainees of which 46 trainees were males and 9 nos. were females, participated in the Training programme (attendance sheet enclosed). Majority of them belong to Schedule caste and fall in 25- 50 age group (80%) followed by 50&.above age group (14.50%) In regard to education level, about 49.4% of the trainees were found to be under both standard followed by 30.90% of trainees in between X to XII standard. Highest number of trainees (42.nos.) were from Kangpokpi block followed by Saitu (11 nos.), Pural and Mao-Maram blocks. No trainees participated in the training from Saikul and Paomata. Most of the trainees are small and marginal farmers. (Annexure-I)

**Result of pre-test and post-test:**

Trainees were evaluated to assess their level of knowledge before the training session with the help of pre-test questionnaires consisting of twenty (20) numbers of pre -coded questions (enclosed). On an average, the level of knowledge of the trainees were found to be 25% before the training session and the result of post –test was worked out as 60% after the training session. It was observed that the knowledge gained by the trainees was 35% on an average due to training intervention. During post training period KVK-SYLVAN will carry out a study to asses the retention of the knowledge by the ex- trainees and as how best it is put to practice in their situation. This exercise will help locate and identify the constraints faced by the ex-trainees and also help design a suitable training module in future.

**Feedback:**

Feedbacks about the importance and usefulness of the training programme were collected with the help of Participant Course Evaluation format consisting of 13 nos. of closed ended questions and 3 nos. of opened ended questions. Trainees view were rated on five response categories. About 55% of the responses were found to be in between 3rd and 4th response categories. It is also observed after recapping of group discussion from the entire training programme that rooftop water harvesting interested those most. However, in case of other water harvesting structure the trainees found difficult to practices which need community participation.