

Brief Report of ToT programme (District level) on “Water Use Efficiency and Irrigation Water Management” conducted by NERIWALM at Bhwanaipur, Barpeta district, Assam during 23-25 July 2015 sponsored by National Water Mission, MoWR, RD & GR, Govt. of India

SALIENT FEATURES:

(A) Objectives

To promote water users association for water conservation, minimize water wastage and increase water use efficiency, a three day long district level Training of Trainees (ToT) on **Water Use Efficiency and Irrigation Water Management** for office bearers of Water Users Associations (WUAs) for Barpeta district of Assam was conducted by NERIWALM during 23-25 July, 2015 at Bhabanipur, Assam. It was organised in collaboration with Pathsala Irrigation Division, Barpeta district of Assam. Some important medium irrigation projects namely Kaldya, Dekadong and Pahumara are under this division. Participants came from office bearers of WUAs of the above irrigation schemes under Pathsala Irrigation Division, Barpeta district, Govt. of Assam. The training programme was focused upon efficient use of irrigation water, crop water requirement, government policies and subsidy, water accounting, booking and procedures to run WUAs, and micro irrigation etc. as per the objectives of National Water Mission.

(B) Number of participants:

Altogether 35 Nos. of office bearers of WUAs from the Pathsala Irrigation Division, Govt. of Assam participated in the training (**Annexure-II**). **No women participation.**

(C) Opening Session:

The ToT was started with an introductory session of trainees, resource persons from NERIWALM and officers from Irrigation Department. Er. Chitta Ranjan Talukdar, SE, North Western project circle, Irrigation Department, Govt. of Assam inaugurated the programme. He expressed the important role of farmers in operation and maintenance of field channel in irrigation projects and urged them for optimum utilisation of water.

(D) Course content:

Both classroom deliberations and field visit at irrigation project site were organised in the training programme. The following classroom deliberation was made based upon the course requirement and topics suggested by the NWM:

- i) National Water Mission with reference to efficiency of irrigation water management
- ii) Water use efficiency and volumetric measurement
- iii) Crop water requirement, crop planning and cropping pattern
- iv) Rotational water distribution system
- v) Water accounting methodology, booking and other procedures to run WUA
- vi) Participatory irrigation management, irrigation act and water pricing in irrigation water management
- vii) Various government policies regarding subsidy in agriculture and irrigation
- viii) Micro and drip irrigation

(E) Field Visit:

To give exposure to the functioning of irrigation projects and cropping pattern in the irrigated command area, a one day field visit was organised at Pahumara medium irrigation

project Assam. The participants were taken to the headwork, main canals, branch canals and few parts of the command area of Pahumara medium irrigation project. The salient features of the project, operation of regulator, water course, outlets, formation of WUAs in the command area etc were discussed during the interaction. It was observed that due to siltation in the main canal; the flow of irrigation water has been badly affected leading to inefficiency of the project. The WUAs in the irrigation project is not also playing active role which might be due to lack of guidance and realization about increasing water use efficiency among the members. Participants interacted with few members of two WUAs under the Pahumara medium irrigation scheme and known that participation in irrigation management is not adequate, they meet very less and only few farmers cultivate Rabi crops. Sali paddy as mono crop during summer is dominating.

(F) Group Discussion:

On the last day of the training a group discussion was held with the participants to get the queries and feedback of the training programme. Queries regarding release of water, assured irrigation, maintenance of irrigation system etc. were clarified by resource person from NERIWALM and officers from Irrigation Department. Feedbacks given by the trainees were summarised below:

- 1) The ToT gave them more knowledge about irrigation management, efficient use of water and smooth functioning of WUAs.
- 2) Terms like drip irrigation and volumetric measurement of water are new to them and they asked more about its functions and implementation.
- 3) The field visit at Pahumara medium irrigation project and interaction with officers of Irrigation Department at the project site gave them confidence and a sense of belongingness to the irrigation project.
- 4) Adoption of cropping pattern to cover the command area whole the years (Kharif and Rabi seasons) will be tried starting from during next Rabi season.

(G) Valedictory function/Feed back session:

On the completion of the training course the Er. Chitta Ranjan Talukdar, SE, North Western project circle, Irrigation Department distributed certificates to the trainees and congratulated them for successful participation in the course. They are requested to become a partner with Irrigation Department in irrigation management.

(H) Resource Person from NERIWALM:

- i) Dr. A.C. Debanth, Associate Professor (WRE)
- ii) Sri. B.C. Nath, Associate Professor (Agri) & in-charge, Training, NERIWALM
- iii) Dr. U.M. Hazarika, Assistant Professor
- iv) Dr. Ch.Victoria Devi, Research Associate (Social Sc.)

(I) External Resource Person:

- i) Er. Chitta Ranjan Talukdar, Suprerintending Engineer, North Western Project Circle, Irrigation Dept. Govt. of Assam

Contd.... (list of participants)

List of participants

ToT programme (District level) on “Water Use Efficiency and Irrigation Water Management” conducted by NERIWALM at Bhwanaipur, Barpeta district, Assam during 23-25 July 2015 sponsored by National Water Mission, MoWR, RD & GR, Govt. of India

Sl. No.	Name	Gender	Caste	District	State	Addresses
1	Shri Banamali Das	M	Gen	Barpeta	Assam	Vill: Laugaon, P.O. Odalguri, Barpeta, Assam
2	Shri Harihar Thakuria	M	Gen	Barpeta	Assam	Vill: Singimari, P.O. Odalguri, Barpeta, Assam
3	Shri Chakrapani Sarma	M	Gen	Barpeta	Assam	Vill: Harkartup, P.O. Odalguri, Barpeta, Assam
4	Shri Narayan Das	M	OBC	Barpeta	Assam	Vill: Harkartup, P.O. Odalguri, Barpeta, Assam
5	Shri Nripen Choudhury	M	Gen	Barpeta	Assam	Vill: Harkartup, P.O. Odalguri, Barpeta, Assam
6	Shri Dwijen Talukdar	M	Gen	Barpeta	Assam	Vill: Singimari, P.O. Odalguri, Barpeta, Assam
7	Shri Chittaranjan Thakuria	M	Gen	Barpeta	Assam	Vill: Singimari, P.O. Odalguri, Barpeta, Assam
8	Shri Dharma Kt. Choudhury	M	Gen	Barpeta	Assam	Vill: Singimari, P.O. Odalguri, Barpeta, Assam
9	Shri Jon Baruah	M	Gen	Barpeta	Assam	Vill: Chenga, P.O. Chenga Barpeta, Assam
10	Md. Abdul Kaddus	M	Gen	Barpeta	Assam	Vill: Khangra, P.O. Khangra Barpeta, Assam
11	Shri Manik Gayary	M	ST	Baksa (BTAD)	Assam	Vill: Goremarii, P.O. Hudukhata Baksa (BTAD), Assam
12	Shri Bisti Kherkatary	M	ST	Baksa (BTAD)	Assam	Vill: Goremarii, P.O. Hudukhata Baksa (BTAD), Assam
13	Shri Prashanna Boro	M	ST	Baksa (BTAD)	Assam	Vill: Goremarii, P.O. Hudukhata Baksa (BTAD), Assam
14	Shri Nilamani Talukdar	M	Gen	Barpeta	Assam	Vill: Laugaon, P.O. Odalguri, Barpeta, Assam
15	Shri Golap Talukdar	M	Gen	Barpeta	Assam	Vill: Harkartup, P.O. Odalguri, Barpeta, Assam
16	Shri Anil Das	M	ST	Baksa (BTAD)	Assam	Vill: Lashamatari, P.O. Ananda Bazar, Baksa (BTAD), Assam
17	Md. Abdul Kalam Azad	M	Gen	Baksa (BTAD)	Assam	Vill: Kachugaon, P.O. Ananda Bazar, Baksa (BTAD), Assam
18	Shri Panchanan Das	M	ST(P)	Baksa (BTAD)	Assam	Vill: Machala Bari, P.O. Chamua gati, Baksa (BTAD), Assam
19	Shri Jiran Kherkotary	M	ST	Baksa (BTAD)	Assam	Vill: Goremari, P.O. Gorenari Baksa (BTAD), Assam
20	Shri Sunil Basumatary	M	ST	Baksa	Assam	Vill: Goremari, P.O. Goremari

				(BTAD)		Baksa (BTAD), Assam
21	Shri Dhiren Talukdar	M	ST	Barpeta	Assam	Vill: Laugaon, P.O. Laugaon Barpeta, Assam
22	Shri Umesh Basumatary	M	ST	Baksa (BTAD)	Assam	Vill: Kalbari, P.O. Ananda Bazar Baksa (BTAD), Assam
23	Shri Balen Nath	M	OBC	Baksa (BTAD)	Assam	Vill: Khunpara Bari , P.O. Samua Baska, Assam
24	Shri Gautam Sarkar	M	SC	Barpeta	Assam	Vill: Mata Bari, P.O. Chenga, Barpeta, Assam
25	Shri Tapan Das	M	OBC	Baksa (BTAD)	Assam	Vill: Goremari, P.O. Goremari Baksa (BTAD), Assam
26	Shri Monhari Das	M	OBC	Baksa (BTAD)	Assam	Vill: Garamdew, P.O. Garamdew, Baska, Assam
27	Shri Rajen Das	M	OBC	Baksa (BTAD)	Assam	Vill: Nahar Bari, P.O. Cherai mari Baksa (BTAD), Assam
28	Shri Ganesh Das	M	OBC	Baksa (BTAD)	Assam	Vill: Nahar Bari, P.O. Cherai mari Baksa (BTAD), Assam
29	Shri Humeswar Das	M	OBC	Baksa (BTAD)	Assam	Vill: Nahar Bari, P.O. Cherai mari Baksa (BTAD), Assam
30	Shri Kapil Das	M	OBC	Baksa (BTAD)	Assam	Vill: Tatalapara, P.O. Cherai mari Baksa (BTAD), Assam
31	Shri Kiran Das	M	ST	Barpeta	Assam	Vill: Uzan bazar, P.O. Kadguri Barpeta, Assam
32	Shri Surjya Kanta Choudhury	M	ST	Barpeta	Assam	Vill: Ruthimari, P.O. Odalguri Barpeta, Assam
33	Shri Ajit Ch. Basumatary	M	ST	Barpeta	Assam	Vill: Laugaon, P.O. Odalguri, Barpeta, Assam
34	Shri Narendra Patgiri	M	Gen	Barpeta	Assam	Vill: Singimari, P.O. Odalguri, Barpeta, Assam
35	Md. Aynul Haque	M	Gen	Barpeta	Assam	Vill: Kuriha, P.O. Kayakuchi Barpeta, Assam

Women: nil