



ज.प्र.नि. समाचार DWM NEWS



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NAIP Livelihood Project- A Success Story

The NAIP Project 'Sustainable Rural Livelihood and Food Security to Rainfed Farmers of Odisha' is under operation in three backward districts of Odisha, i.e. Dhenkanal, Kandhamal and Kalahandi. Directorate of Water Management, Bhubaneswar has demonstrated the farm pond, two-stage rainwater conservation and optimum dyke height technologies in farmers fields in Dhenkanal district. The water harvesting structure constructed in the land of Mr. Sribascha Biswal helped him to shift from paddy cultivation to pisciculture, vegetable cultivation and on-dyke horticulture. Out of the 1 acre area, water harvesting structure was built on almost one fourth of the land. With



the technological support from DWM and initiative of the farmer, the farming unit has been developed as an integrated farming system model. The embankment of the water harvesting structure has been used for horticultural plants like banana, papaya and drumstick plants. The unit now also has a poultry shed of 100 chicks capacity which was constructed with the help of OUAT, Bhubaneswar. Apart from providing supplemental irrigation, the pond is being used for pisciculture. The farmers harvested 160 kg fish in the current and year, and 120 kg last year. Initially, the farmer was irrigating the vegetable and horticultural crops by carrying buckets of water from the pond. After that he constructed a storage tank made out of well RCC rings to develop a gravity fed irrigation system. The low lift hand pump supplied by DWM, Bhubaneswar proved handy for pumping water from the pond to the storage tank. Honeybee production has been added as a component of the farming system model. The inclusion of mushroom cultivation, duckery and dairy has been planned as further components of the farming system model. Before the technological interventions, the farmer was getting only a gross return of Rs. 10,000.00 with a net return of Rs. 5000.00. But after the development of the farming system model, the gross return of the farmer was Rs. 69,000.00 in the last year, which resulted in a net return of Rs. 32,000.00. Thus, there is an increase in net return to the tune of Rs. 27,000.00 per year due to the farming system model.

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Director General, ICAR Visits on Farm site of DWM

The Secretary, DARE and Director General, ICAR, Dr. S. Ayyappan visited the on-farm rubber dam experimental site of DWM at Chandeswar, Khurda district of Odisha on 4th January 2012 and interacted with farmers of the watershed regarding the benefits of the rubber dam and its easiness for operation. He appreciated the innovative research work carried out by DWM Scientists.



Stakeholders Meeting under NICRA Project

“Stakeholder’s Consultation on Climate Change Platform” under NICRA project was organized by DWM, Bhubaneswar from 23rd -24th January, 31st January-1st February, 9-10th February, 2012 at Tamil Nadu Agricultural University, Coimbatore for Tamil Nadu, MPUAT, Udaipur for Rajasthan and JAU Junagarh for Gujarat respectively. In those meetings, recommendations were made for the XIIth Plan to strengthen the methodology to study the impact of climate change on groundwater. A total of 180 delegates interacted in those 3 stakeholder consultation.



Stakeholders meeting at TNAU, Coimbatore



Stakeholders meeting at MPUAT, Udaipur



Stakeholders meeting at JAU, Junagarh

Researcher-Farmer Interface Meeting on Waterlogged Area Management

A one day farmers’ training programme-cum Researcher-Farmer Interface Meeting on Waterlogged Area Management was organized at Nuagaon, Niali Block, Cuttack District, Odisha on 21st March 2012. Sixty-three farmers from 16 villages of four blocks (Niali, Balipatna, Astaranga and Kantapara) of Cuttack, Khurda and Puri district participated in this event. Dr. S Roy Chowdhury, Principal Scientist and Dr. Souvik Ghosh, Scientist SS co-ordinated the meeting cum training program.



Seminar on 'Emitter Clogging- Micro-Irrigation Systems'

Directorate of Water Management in collaboration with Bureau of Indian Standards organized a one-day BIS seminar on 'Emitter Clogging- Microirrigation Systems' on 1st March 2012.

ICAR Easter Zone Sports Meet

ICAR Eastern Zone sports meet was organized at ICAR Research Complex for Eastern Region, Patna. 23 participants from DWM, Bhubaneswar participated in the sports meet.

Foreign Visits

Dr. Ashwani Kumar, Dr. P. Nanda and Dr. Mukesh Kr. Sinha attended the Annual Review and Management Meeting of the BMGF funded ICAR-ICRISAT Collaborative Project "Village Dynamics Studies in South Asia" (VDSA) on 10-11 March at the BRAC Centre Inn, Dhaka, Bangladesh. The meeting discussed progress and achievements in data collection, processing, analysis, dissemination and web hosting of project data and research findings. It also reviewed papers prepared under the project and developed detailed work plans for 2012 for three regions – SAT India, East India and Bangladesh.



Dr. Amod Kumar Thakur, Senior Scientist (Plant Physiology) visited on deputation to London, UK to attend 'Planet under Pressure Conference-2012' held during 26-29 March, 2012. His oral presentation was on '*Agro-ecological Intensification for a Green Economy in Asia: Enhancing productivity, improving rural livelihoods, securing food supply, and reducing environmental footprint*'.



63rd Republic day Celebrated

63rd Republic Day of the country was celebrated at the center. Dr. Ashwani Kumar, director, DWM hoisted the national flag and addressed the staff of the center. He highlighted the achievements of the institute and challenges ahead. To keep the spirit of the hard work, he appreciated and urged to work more for the benefit of farmers and their livelihood. He also awarded the winners of the outdoor games activity on that occasion.



Awards/ Recognition

Dr. K.G. Mandal, Senior Scientist has become Elected Member of the Sectional Committee of the Section of Agriculture and Forestry Sciences for the year 2012-13 (100th Session of the Indian Science Congress) of the ISCA, Kolkata.

Dr. K.G. Mandal, Senior Scientist has been selected as Editorial Member of the Journal of Sustainable Bioenergy Systems, Scientific Research Publishing, Inc. USA for one year since January 4, 2012.

Promotion/ Higher Degree

Dr. Susant Kumar Jena was selected as Principal Scientist (Soil and Water Conservation Engineering) at DWM, Bhubaneswar on 9.2.2012.

Er. Sheelabhadra Mohanty, Scientist SG obtained his Ph.D. degree from IIT, Kharagpur in the topic 'Groundwater Flow and Management Modeling in a River Island of Orissa' on 11.3.2012.

FROM THE DIRECTOR'S DESK

I am privilege to present the DWM News of January- March 2012 covering the highlights of different activities of the Institute during the first quarter (January-March 2012). The Centre contributed significantly in research, training and extension during that period. During the first week of new year, honorable Director General of ICAR Dr. S. Ayyappan visited the rubber dam site and appreciated the institute's research work. Three stakeholders meeting were organized under NICRA project one each for Tamil Nadu, Rajasthan and Gujarat state. During this period,



three 6-days trainings on SAS software were conducted one each at OUAT, Bhubaneswar; BCKV, Kalyani and IGAU, Raipur. Ten SWPA farmers training program of 7-days duration were conducted during this period in which 643 farmers were trained. A one-day BIS seminar on 'Emitter Clogging- Microirrigation Systems' was organized on 1st March 2012. As many as four scientists visited foreign countries during this period.

I appreciate the efforts and hard work of the publication committee to bring out this Newsletter.


(Dr. Ashwani Kumar)

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