

Model Training Course on Improving land and water productivity through soil and water management

31st January to 7th February 2018



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Course Director

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Course Coordinators

Sponsored by

Directorate of Extension,

**Department of Agriculture Cooperation & Farmers Welfare,
Government of India**



Organized by

ICAR - Indian Institute of Water Management

Bhubaneswar

Background:

Doubling the income of farmers in the next five years i.e. 2022 is a challenge and requires object beyond food security. Conservation of natural resources, maintaining their quality, judicious use of inputs with an integrated approach, targeted biomass production and marketing are some of the key elements that leads towards increased land and water productivity which in turn improve the socio-economic status of the farmers. Improper water and nutrient management encourage wastage, imbalance and low productivity. This model training course builds up capacity to manage water and soil judiciously with an integrated approach; develops skill in assessing the potential of natural resources (soil and water) in terms of quantity and quality, and their further requirement; and provides leadership quality to plan and implement the available technologies in the field for increased land and water productivity. The specific objectives of the MTC are:

Objectives:

To apprise the basics and advancement in soil and water management technological options for improved land and water productivity in agriculture

To develop skills in crop planning with optimum water and nutrient use based on assessment of available resources

To enhance capacity through improving knowledge, developing technical and managerial skills to transfer technology to the users for improved livelihood and farm income

Course content:

The courses will be conducted in an interactive way with 15 minutes' discussion after each lecture.

Classroom content

Modules	Content
Module 1:	Water Management issues and technological options
Module 2:	Prospects of wastewater use in irrigation
Module 3:	Concept of soil health and its management through integrated approach and organic farming
Module 4:	Water Management in diversified crops
Module 5:	Integrated farming system approach to improve water productivity and farm income
Module 6:	Appraisal on schemes, marketing channels along with socio-economic and gender issues in natural resource management

Visits, Demonstrations and hand-onexperience

1.	Laboratory visit for understanding of the methodologies and acquaintance with the instruments used for soil, water and plant sample analysis
2.	Institute Research Farm visit (63.71 ha) at Deras, Mendhasal 31 km from main office where different water management researches are being operated.
3.	Visit to other ICAR/State Govt./University research farms and Centres of Excellence to observe the water and nutrient management experiments and interact with the Scientists/Officers
4.	Demonstrations of the suitable technologies on land and water productivity
5.	Hand-on experience on water and fertilizer requirement for different crops

Eligibility of the participants

Participants (AO/AAO/AEO/ADA/HO/AHO/SMS/Officers) from all the concerned developmental departments (Agriculture, Horticulture and Water Conservation/Resources/Irrigation of states and union territories) engaged in research/extension/training are eligible to attend the course. The total number of participants will be restricted to 20. In case, where participants from ICAR/SAU/KVK attend the MTC, travel expenditure has to be borne by the concerned host department itself.

Duration

Duration of the Model Training Course (MTC) is 8 days from 31st January to 7th February, 2018 (both days inclusive). The participants are expected to arrive at ICAR-IIWM, Bhubaneswar latest by the evening of 30th January 2018 and can leave only after 17:00 HRS on 7th February 2018.

Application and Registration

Interested candidates will send their applications in the prescribed format duly nominated/forwarded by the competent authority to the Director, ICAR-IIWM/Course Director, Model Training Course. Advance copy may also be sent provided duly forwarded copy should reach before 30.09.2017.

TA/DA, Boarding and lodging

The costs of travelling, boarding and lodging etc., of the selected participants will be provided out of the grant from the Ministry of Agriculture, Department of Agriculture & Co-operation, New Delhi. For the participants from ICAR/SAU/KVK/others, travel expenditure has to be borne by the respective host departments. All participants will be reimbursed the to and fro travel fare for the journey to Bhubaneswar by train or bus by the shortest route. The payment will be made as per their entitlement class of travel, but restricted to the maximum AC-II tier train/bus fare. Air fare will not be allowed. As regards to daily allowance, any participant refusing to avail free boarding and lodging will not be given any cash payment in lieu thereof. He/she can, however, claim DA from their respective Department after getting a certificate to this effect from the institute. Participants are requested not to bring their family members with them, as the institute has only limited accommodation facility.

How to Reach ICAR-IIWM Bhubaneswar

Bhubaneswar, the capital of Odisha, is well connected by rail and roadways to different parts of the country. Participants travelling by train/bus should alight at Bhubaneswar railway station/ Bhubaneswar bus stand from where auto-rickshaw/taxi can be hired to reach ICAR-IIWM campus located near opposite Rail Vihar at Chandrasekharpur at a distance of 7-8 km from railway station/bus stand. The participants are advised to make their return journey reservations well in advance before leaving for Bhubaneswar.

Important Dates

Last date for receipt of applications:	30-09-2017
Selection intimation to applicants:	31-10-2017
Confirmation of participation by participants:	15-11-2017

Registration Form

Application form for participation in the model training course on
“Improving land and water productivity through soil and water management”

Organized by ICAR-Indian Institute of Water Management, Bhubaneswar

1. Name of the Participant (in block letter):

2. Designation:

3. Date of Birth: Sex M/F:

4. Present Employer and Address:

5. Address for correspondence:

6. Educational Qualification:

7. Your Expectation from the training:

Date:.....

Place:.....

Signature of Applicant

8. Recommendation of the Forwarding Organization:

Signature and office seal:

Date:

Address:

CERTIFICATE

This is certified that the nomination was verified with the office record and was found correct.

Signature and designation of the authority

All correspondence should be addressed to:

Director,
ICAR-Indian Institute of Water Management
Chandrasekharpur, Bhubaneswar, Odisha 751023
e-mail: director.iiwm@icar.gov.in Phone:+916742300060

For any clarification please contact to:

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Note

Application as per the registration form may be typed on good quality A-4 size paper and sent by e-mail or fax or post to any of the above.