

MODEL TRAINING COURSE

ABOUT LOCATION

Junagadh is historical place and is located just at foothills of Mountain Girnar. Junagadh Agricultural University is 3 km away from bus stand and 4 km from railway station. Nearest airport is at Rajkot. The winter starts just at end of November. During December, the weather of Junagadh remains very pleasant.

HOW TO APPLY

Interested candidates may apply through mail/post in the prescribed application form enclosed and the duly filled in application should reach the Course Director on or before 28th October 2016. Selection is based on short listing of applications (First come First Serve Basis). Decision of the Course Director shall be final.

IMPORTANT DATES

- Last date for receipt of nominations: **20th November 2016**
- Number of seats: **20 (Twenty)**

Address for Correspondence

Dr. H. D. Rank

Research Scientist (Agril. Engg.) and Course Director
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Centre of Excellence on Soil and Water Management
Research, Testing & Training Centre, Junagadh Agricultural University, Junagadh 362001
Model Training Course on Water Security and Challenges in the Arena of Climate Change
(December 14 – 21, 2016)

REGISTRATION FORM

NAME (BLOCK LETTERS)					
Gender		Male/Female			
Date of Birth					
Department					
Mailing Address					
Telephone with STD code		Office:	Cell:		
		Residence:	Fax Number:		
E-mail :					
Academic record :					
Exam	Year of Passing	Board/University	Class	Main Subjects	Other information if any
Bachelor degree					
Master degree					
Ph.D.					
Any other (pl. specify)					
Experience (mention post held):					
Mention if you have participated in any similar Training Course during the previous years					
Guest House Accommodation required			Yes/No		
Place:			Signature of the Applicant		
Date:					
The details furnished by the Candidate are correct based on verification of records available in the office and the undersigned recommend the candidature for the training					
Place:			Signature of the Competent Authority		
Date:					

1. The candidate may send the scanned copy of his/her application duly signed by him and his/her sponsoring authority through proper channel.
2. Incomplete application form will not be entertained.
3. For additional copies of the registration form, please Xerox or type in the format given.

Water Security and Challenges in the Arena of Climate Change

December 14 – 21, 2016

Course Director
Dr. H. D. Rank

Course Co Director
Dr. G. V. Prajapati



सत्यमेव जयते

Sponsored by

Directorate of Extension
Department of Agriculture, Co-operation and Farmers Welfare
Government of India, New Delhi - 110012



Organized by

Centre of Excellence on Soil & Water Management
Office of Research Scientist (Agril. Engg.)
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INTRODUCTION

Water is becoming increasingly scarce and expensive independent of climate change. Climate change is a phenomenon we can no longer deny as its effects have become increasingly evident worldwide. It will have major effects on precipitation, evaporation and runoff. It induced changes in the water cycle that will likely affect the magnitude, frequency and cost of extreme weather events as well as the availability of water to meet growing demand. In assessing the anticipated impacts of climate change on agriculture and agricultural water management, it is clear that water availability (from rainfall, watercourses and aquifers) will be a critical factor. Climate change will impact the agricultural and water productivity in both irrigated and rainfed agriculture across the globe. Large contiguous areas of irrigated land that rely on water will be affected by changes in runoff patterns, while highly populated deltas are at risk from a combination of reduced inflows, increased salinity and rising sea levels and appearance of frequent and severe droughts in rural and urban areas. Everywhere, rising temperatures will translate into increased crop water demand. Over-exploitation of natural resources due to increased demand, population expansion and environmental degradation have added another dimension to this complex problem. Both the livelihoods of rural communities and the food security of a predominantly urban population are, therefore, at risk from water-related impacts linked primarily to climate variability. The rural poor, who are the most vulnerable, are likely to be disproportionately affected. Forecast of near term climate, or identification of the state of the global climate system and its local consequences on agriculture and water management can help managers in developing the adaptive strategies and implementing mitigating policies.

OBJECTIVES

The objectives of the training course are:

- a) To provide an overview of current knowledge on climate variations,
- b) To discuss their impact on water resources management, planning and agriculture
- c) To disseminate this valuable information among Government officers, and
- d) To develop innovative and eco-friendly water management interventions to adopt climate change

COURSE CONTENT

The course aims to include the following themes with particular emphasis on water security in the arena of climatic change

- Surface and subsurface water assessment and interaction in the arena of climate change
- Management of saline water in coastal agro-ecosystem
- RS and GIS interventions in water resources assessment and management
- Weather forecasting and crop growth simulation models
- Hydro-climatic Extremes
- Surface and subsurface water management interventions to adopt climate change
- Harnessing renewable energy sources for agricultural water management
- Participatory Irrigation Management

FACULTY

The faculty constitutes experts with specializations in hydro-climatology, agricultural scientists of Universities will deliver their topics pertaining to consequences of climate change on quantity & quality of surface and subsurface water resources and its management.

ELIGIBILITY

Participants who possess a post graduate degree in any discipline of agriculture or allied sciences from recognized university working in the State Development Departments, ICAR, SAUs, KVKs, etc are eligible to apply.

ACCOMMODATION & TRAVELLING ALLOWANCES

Reimbursement of travelling expenses to the trainees nominated by the State Development Departments/ UTs, will be done on actual basis as per their entitlement for the class of travel restricted to the maximum of ACII / III tier fare (except Rajdhani & Shatabdi) or Bus or any other means by shortest possible route subject to availability of funds. Participants are requested to produce the original and photocopies of tickets in support of their claim.

Trainees from the organizations like ICAR, SAUs, KVKs, etc. desiring to participate in MTC(s), their TA/DA will be borne by their respective organization/Institute. The boarding and lodging expenses for the selected participants will be borne by the organizers under training programme budget. The accommodation will be provided within campus for participant only.

Note: Reimbursement of airfare will not be done under any circumstances