

**National Workshop on  
Water and Land Productivity  
Enhancement for Sustainable  
Irrigated Agriculture**

**9-10 March 2010, Tirupati, A.P.**

**REGISTRATION FORM**

Full Name: Dr/Mr/Ms.....  
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Travel plan .....  
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Title of the manuscript.....  
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Thematic area .....  
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**Registration Fee**

A Registration fee of Rs.2000 /- is charged for all.  
Amount ..... Bank Draft No. ....  
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**Request for accommodation**

Accommodation needed : Yes / No

(Charges for accommodation will be collected accordingly at the time of reporting)

*\* Final selection of the participants will be done by the Organizing Committee*

Date ..... Signature of the Participant

The duly filled in registration form along with the abstract and full length paper may be sent by e-mail to [apwambapatla@hotmail.com](mailto:apwambapatla@hotmail.com) under a copy to Dr. K. Yella Reddy, Principal Scientist and Project Manager, APWAM Project, Bapatla, 522101, Andhra Pradesh, by 26.02.2010.

**About Tirupati**

Situated in Chittoor district of Andhra Pradesh, Tirupati is the abode of Lord Venkateswara. Tirumala Balaji Temple is located at Tirumala, 18 km northwest of Tirupati at a height of 874 m above sea level amidst the hills known as seven hills of the Eastern Ghats. The town is thronged by devotees all around the year. Keeping the tropical climate of Tirupati in mind, one can say that the best time to visit Tirupati is during the months of October to March, when the weather conditions are at their very best.



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*Organized by*

**A.P. WATER MANAGEMENT PROJECT  
Acharya N.G. Ranga Agricultural University  
Hyderabad, Andhra Pradesh**

# *National Workshop on* **Water and Land Productivity Enhancement for Sustainable Irrigated Agriculture**

## **Background**

Planning, development and management of water and land resources need to be governed by national perspectives in a sustainable manner. Irrigated agricultural sector being the largest consumer of fresh water, has to be dealt with an aim to get optimal productivity per unit of water and land by adopting scientific water management practices and reclamation of water logged / saline affected lands by scientific and cost-effective methods.

Management of water resources should incorporate a participatory approach, by involving not only the various governmental agencies but also the users and other stakeholders in an effective and decisive manner in various aspects of planning, design and development. Water User Associations, local bodies such as Municipalities and Gram Panchayats and women particularly, be involved in operation, maintenance and management of water infrastructure / facilities at appropriate levels.

With the increasing population, agricultural and non-agricultural sectors are increasingly competing with each other for water and land resources. The soil and water conservation measures viz., regulation of water flows, selective lining in the conveyance system including tanks, adoption of agronomic techniques like mulching and water saving technologies and reclamation of problematic soils may be promoted, wherever feasible.

## **About the APWAM Project**

The Andhra Pradesh Water Management (APWAM) Project has been working in Andhra Pradesh state since November 2003 under the aegis of Acharya N. G. Ranga Agricultural University (ANGRAU) with financial assistance from Food and Agricultural Organization (FAO) of the United Nations and technical assistance from Alterra – ILRI Wageningen, the Netherlands.

The APWAM Project is first of its kind in the country to be granted by FAO as a NEX Project to an Agricultural University (ANGRAU) to function with the main center at Bapatla and network centers at Undi, Jagtial, Garikapadu and Tirupati.

## **Major Objectives**

- Enhance implementation of integrated water resources management (IWRM) in Andhra Pradesh.
- Improvement of the water use efficiency in agriculture in the framework of IWRM.
- Bringing equity in water distribution over the command area.
- Preservation of the agricultural production capacity of waterlogged and saline agricultural lands in irrigated agriculture.

## **Achievements**

- Minimizing the water distribution losses by improved infrastructure and increasing water use efficiency in Modukuru No.2 branch canal command of Tungabhadra Side channel of Krishna Western Delta, D 51 distributory of Sri Ram Sagar Project and Musilipedu tank ayacut of Tirupati.
- Use of Remote Sensing and GIS Applications for Irrigation Performance Assessment.
- Increasing agricultural productivity of problematic areas by laying Open subsurface drainage system (OSSD) and Closed subsurface drainage system (CSSD) to reclaim saline and waterlogged soils of Mutluru / Appapuram Main Channel Commands of Krishna Western Delta and Kalipatnam Command of Godavari Western Delta.
- Enhancement of awareness on better water management practices among farmers, officials of line departments, scientists and policy makers through various extension activities and publications.

Realizing the importance of water, the UN General Assembly has declared the decade 2005-2015 as the International decade for action for 'Water for life'. In this context, the APWAM Project is organizing a two-day workshop on 'Water and Land Productivity Enhancement for Sustainable Irrigated Agriculture', at Tirupati, during 9-10 March 2010.

## **Workshop Themes**

### **Theme 1:**

**Initiatives and achievements of APWAM Project**

### **Theme 2:**

**Irrigation water management at system level for enhancement of water productivity**

- Operational Management
- Modernization of irrigation systems
- Crisis Management

### **Theme 3:**

**Interventions for increasing water productivity in irrigated agriculture**

- Water demand and supply management in irrigated commands
- Equity of water distribution in irrigated commands
- Crop water requirements and estimation
- Water saving production technologies including micro irrigation systems

### **Theme 4:**

**Interventions for increasing land productivity in problematic soils**

- Land leveling and management
- Reclamation and management of salt affected and water logged lands by agronomic measures
- Reclamation and management of salt affected and water logged lands by engineering measures

### **Theme 5:**

**Institutional and policy issues for large scale implementation of land and water management technologies in irrigated agriculture**

- Socio-economic impact of land and water management technologies
- Policy issues for sustainable irrigated agriculture
- Issues in up-scaling of project results from pilot areas to larger areas