

All India Seminar on  
"Engineering Technologies for Sustainable Agriculture through Natural Resource Management"  
August 8-9, 2014

## The Institution of Engineers (India)

(Established: 1920, Incorporated by Royal Charter: 1935)

### Ahmednagar Local Centre

Irrigation Compound, Aurangabad Road, Ahmednagar 414 001 (M.S.)  
Tel. No.: 0241-2323359, Email: ahmednagarlc@ieindia.org, aisetsanrm@gmail.com

Dr S B Gadge, MIE  
Convener



Dr A A Atre, FIE  
Organising Secretary

IEI. ALC/AISETSANRM/2014



May 15, 2014

Sub: Regarding contribution of articles for All India Seminar on "Engineering Technologies for Sustainable Agriculture through Natural Resource Management"

Sir/Madam,

The Ahmednagar Local Centre of the Institution of Engineers (India) will be organizing two day All India Seminar on "Engineering Technologies for Sustainable Agriculture through Natural Resource Management" at Ahmednagar during August 8-9, 2014. The seminar will deliberate various sub-themes ranging from modern water saving technologies for agriculture sector, technologies for mitigation of climate change impact, remote sensing and GIS for land and water resources management, participatory irrigation management, computer applications for sustainable agriculture, etc.

Considering the interest and expertise of staff of your organization in the field of engineering technologies for sustainable agriculture, on behalf of organizing committee, I would like to request you to please arrange to give wide publicity to the All India Seminar on "Engineering Technologies for Sustainable Agriculture through Natural Resource Management" and encourage the faculty as well as students to contribute research articles under different sub-themes and participate in the seminar. The brochure of the seminar is enclosed here with for ready reference.

With regards,

Thanking you,

Yours Sincerely

(A.A. Atre)

Honorary Secretary, IEI-ALC &  
Organising Secretary, All India Seminar

*Circulated to all centres by Email by M.S.*

All India Seminar on  
**ENGINEERING TECHNOLOGIES FOR  
SUSTAINABLE AGRICULTURE THROUGH  
NATURAL RESOURCE MANAGEMENT**

8-9 August, 2014

**REGISTRATION FORM**

(Delegates are advised to photo copy the registration form)

Name (Block Letters) \_\_\_\_\_

Designation and organization : \_\_\_\_\_

Mailing Address : \_\_\_\_\_

Phone with STD Code : \_\_\_\_\_

Fax \_\_\_\_\_ Mobile : \_\_\_\_\_

E-mail : \_\_\_\_\_

IEI Membership Grade & No. \_\_\_\_\_

**Towards individual/Sponsorship/  
Co-sponsorship/ Advertisement**

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Signature of Delegate



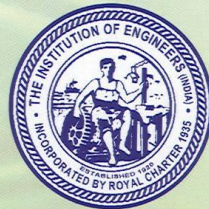
All India Seminar on

**ENGINEERING TECHNOLOGIES FOR  
SUSTAINABLE AGRICULTURE THROUGH  
NATURAL RESOURCE MANAGEMENT**

8-9 August, 2014

Under the aegis of  
Agricultural Engineering Division Board  
of

*The Institution of Engineers (India)*



Organised by

**The Institution of Engineers (India)**

Ahmednagar Local Centre

Irrigation Compound, Aurangabad Road,  
Ahmednagar 414 001. Tel. : 0241-2323359

E-mail: [ahmednagarlc@ieindia.org](mailto:ahmednagarlc@ieindia.org) / [aيسانrm@gmail.com](mailto:aيسانrm@gmail.com)

**All India Seminar on**  
**ENGINEERING TECHNOLOGIES FOR**  
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**ABOUT THE INSTITUTION OF ENGINEERS (INDIA)**

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform to share their professional interest. Established in 1920, with its headquarters at 8, Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades.

In 1935, the IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. The IEI through its membership strength of nearly 0.7 million, functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity through a network of more than 104 centers across the country. The Institution has a well established R & D center at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI offers a non-formal engineering course, the successful completion of which is officially recognized as equivalent to a degree in engineering. Every year as many as 60000 candidates appear for these exams.

**Website: [www.ieindia.org](http://www.ieindia.org)**

**PROLOGUE**

The world's population increasing at the rate of 1.17% is expected to reach upto 8.92 billion in 2050. Population in India is also estimated to rise upto 1.66 billion by 2050. To satisfy the food and fiber demand of this continuously growing population, it is essential to increase the productivity by almost 2.5 times as compared to the present situation. Thus, exhibiting a direct relationship between impacts of population and natural resources. Indiscriminate over-exploitation of the input resources in unplanned and unscientific manner on account of this increasing population and declining resources during the post green revolution era has resulted in critical environmental issues challenging the livelihood of the masses.

Amidst the increasing demand from the agriculture sector, continuously reduction in per capita availability of agricultural land together with the alarmingly decreasing per capita availability of the fresh water for agriculture has posed a challenge before the researchers, academicians and policy makers to address the issue of higher productivity with the available limited natural resources. This necessitates for improvement in physical resources through better management and effective utilization of technological advancements in the recent past for the sustainable management of natural resources.

Focusing these critical issues, adoption and development of engineering technologies for precision in agriculture, protective cultivation, integrated resources management under the changing global climatic scenario are attracting more focus from the planners. Proper water and nutrient management

through drip irrigation has potential to improve the agricultural productivity. Computer application to address the complexness in soil and water related issues and application of advanced techniques viz. remote sensing and GIS have become the need of the hour to turn agriculture more profitable and accelerate its growth rate.

With this view, the proposed seminar will deliberate on the following sub themes :

#### Sub-themes of the Seminar

- Modern water saving technologies for agriculture sector
- Technologies for mitigation of climate change impact
- Remote sensing and GIS for land and water resources management
- Participatory irrigation management and performance assessment for Sustainable Agriculture
- Integrated water resource management on basin and watershed scale for Sustainable Agriculture
- Computer applications for sustainable agriculture

#### SPONSORSHIP

1	Platinum Sponsor	Rs 200,000/-	Logo and name of organization along with brief note on brochure and Seminar Souvenir, Display of banners, distribution of pamphlets to delegates during seminar, Presentation during the theme session of seminar; 10 delegates free.
2	Gold Sponsor	Rs 150,000/-	Logo and name of organization along with brief note on brochure and Seminar Souvenir, Display of banners, distribution of pamphlets to delegates during seminar, Presentation during the theme session of seminar; 5 delegates free.
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4	Sponsorship for Dinner	Rs 75,000/-	Display of banner at Dinner, distribution of pamphlets to delegates, full page colour advertisement in Souvenir; 2 delegates free.
5	Sponsorship for Lunch	Rs 50,000/-	Display of banner at Lunch, distribution of pamphlets to delegates, full page colour advertisement in Souvenir; 1 delegate free.
6	Sponsorship for Registration Kit	Rs 40,000/-	Display of Name on Registration kit, distribution of pamphlets to delegates, half page colour advertisement in Souvenir; 1 delegate free.

### ADVERTISEMENTS

The advertisements will be published in post seminar proceedings. The tariffs for advertisements are as follows

Cover page 4	:	Rs. 20000/-
Cover page 2 and 3	:	Rs. 15000/-
Full page colour	:	Rs. 10000/-
Full page B/W	:	Rs. 5000/-
Half page colour	:	Rs. 5000/-

### VENUE

Hotel Yash Grand, Station Road, Ahmednagar - 414 001.

### REGISTRATION FEE

Corporate Members in Individual capacity	:	Rs. 3000/-
Non-Members & Sponsored Delegates	:	Rs. 4000/-
Research Scholar & Students in Individual Capacity	:	Rs. 1000/-
Spouse Accompanying	:	Rs. 1000/-

*The amount of registration fees/ sponsorship/ advertisement can be sent by cash/ DD/ multi city cheque drawn in favour of "The Institution of Engineers (India), Ahmednagar Local Centre," along with registration form or by transferring to SB A/c No. 0493104000080200 IFSC: IBKL 0000493 at IDBI, Ahmednagar.*

### CALL FOR PAPERS

Papers describing original research work, practical work in the field, are invited for oral and poster presentation on the themes latest by June 15, 2014. Authors are requested to send their papers as an attachment to the email. The papers will be reviewed by Technical committee and intimation regarding acceptance of the papers will be sent to the authors by June 30, 2014.

### GUIDELINES FOR PREPARATION OF PAPERS

The official language of the Seminar is English. The contributors are requested to follow the **Guidelines for authors as given in Journal of Institution of Engineers (India)**. The soft copy of full text of paper prepared with MS Word 2003 or 2007 on A4 size may be sent to <[aisetsanrm@gmail.com](mailto:aisetsanrm@gmail.com)>

### ADDRESS FOR CORRESPONDENCE

#### Regarding Papers & Advertisement

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