ABOUT THE HOST INSTITUTE

The CRRI was established by the Government of India in 1946 at Cuttack, as an aftermath of the great Bengal Famine in 1943, for the consolidated approach to rice research in India. The administrative control of the Institute was subsequently transferred to the Indian Council of Agricultural Research (ICAR) in 1966.

The Institute has two research stations, one at Hazaribag, in Jharkhand, and the other at Gerua, in Assam. Two Krishi Vigyan Kendras (KVK) also function under the CRRI, one at Santhapur in Cuttack district of Orissa and the other at Jainagar in Koderma district of Jharkhand. The research policies are guided by the recommendations of the Research Advisory Committee (RAC), Quinquennial Review Team (QRT) and the Staff Research Council (SRC) of the institute. The CRRI has an Institute Management Committee (IMC), for formulating administrative policies. The goal of the Institute is to improve the income and quality of life of rice farmers in India.

ACCOMMODATION

Limited accommodation will be available in the campus of CRRI on first come first serve basis with normal charges. Hotel accommodation can only be arranged on advance payment of the tariff (at least for one day) ranging from Rs.800-Rs.2500 per day for double occupancy. The participants are requested to send the 'Registration-cum-Accommodation Form' as early as possible in order to avoid inconvenience.

HOW TO REACH

The silver city of CUTTACK is well connected by train and by air via Bhubaneswar. The distance from Bhubaneswar airport to CRRI, Cuttack is about 35 km drive on road and 7 km from the Cuttack railway station on the Cuttack-Paradeep State Highway. Participants are requested to make arrangements for their return journey, alternatively return reservations can be made on advance payment including service charges. The weather during November is quite pleasant in Cuttack [20° N, 86°E, 23 m above MSL], with the temperature ranging between 30-32° and 22-24°C during day and night respectively.

SITE TOUR

A site tour may be arranged for the participants and accompanying spouses on 30.11.2010 after the symposium on payment of Rs.350 per person. The interested participants may kindly send the amount along with the registration fee. The tour may cover different historical and religious places like Puri/Konark/Dhauli/Lingaraj/ Bhubaneswar etc.

ADDRESS FOR CORRESPONDENCE

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Director, C. R. R. I. Cuttack 753006, Orissa
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Or

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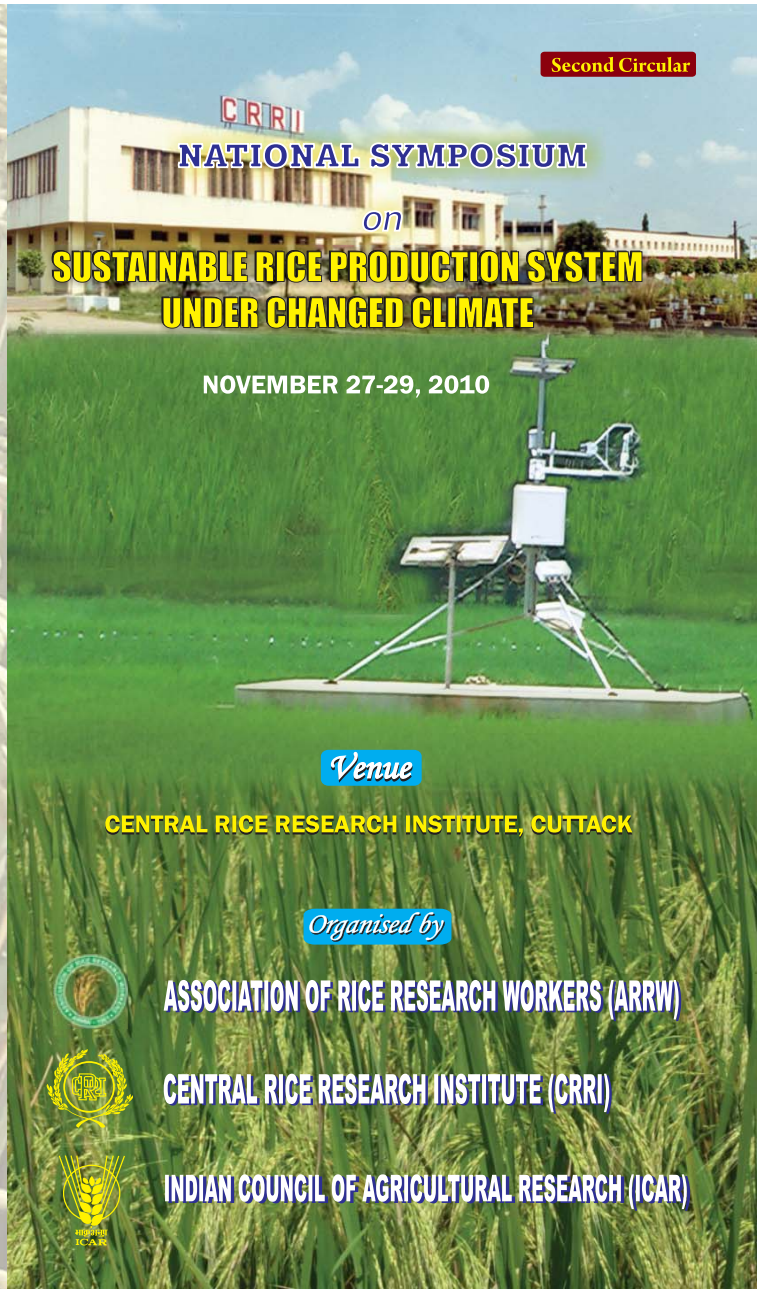

Second Circular

CRRI

NATIONAL SYMPOSIUM

on

SUSTAINABLE RICE PRODUCTION SYSTEM UNDER CHANGED CLIMATE

NOVEMBER 27-29, 2010

Venue

CENTRAL RICE RESEARCH INSTITUTE, CUTTACK

Organised by

ASSOCIATION OF RICE RESEARCH WORKERS (ARRW)

CENTRAL RICE RESEARCH INSTITUTE (CRRI)

INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)

INTRODUCTION

Rice is the most important and extensively grown staple food crop accounting for 43% of the total food grain of the country. The crop suited to the wet tropics with the highest yields obtained under subtropical or warm-temperature climate. Climatic variability, particularly the rainfall variability, is the major factor influencing its productivity and sustainability. However, appropriate temperature and great deal of solar radiation together play key role in rice cultivation. The country has marched progressively in its rice production from 30 million tonnes during 1964-65 to 99 million tonne during 2008-09. During this transit, the average productivity has increased from 0.8 to 2.1 t ha^{-1}. However, the demand for rice in India is increasing with the increase in population and is expected to be 140 million tones by 2025. There is an urgent need for a quantum jump in productivity as expansion of cultivable land has become prohibiting.

The present climate change scenario is one of the greatest challenges facing mankind. Deterioration on global climate through changes in temperature, water regimes and carbon dioxide levels will eventually affect crops, soil, pests and livestock. It has significant regional impacts on agriculture and production of food and fibre, in general, and rice in particular. Therefore, the effect of climate change on rice production needs to be studied for evolving appropriate strategies to avert possible disaster and retaining the sustainability in order to improve the total production of rice.

The Association of Rice Research Workers (ARRW) has been striving hard since 1961 to document meaningful rice research activities relevant to contemporary rice science and production scenario. It also organizes national and international symposia to provide a platform for interaction amongst scientists to enable generate plausible recommendations for future research, adoption of new technologies and policy formulation. This symposium is being organized to focus on the relevant major issues of rice research over changing climate scenario to usher into a **second green revolution**.

OBJECTIVES

- Technological interventions to mitigate adverse effects of changing climate scenario
- Mainstreaming crop improvement and management strategies to overcome adverse effects of climate change.

MAJOR THEMES & SUBTHEMES

I. Rice production trend, enhancement of yield potential, simulation scenario and preparedness

- Rice productivity as influenced by abiotic stresses and relevant adaptability avenues
- Emerging trends in biotic stresses (insects, diseases and weeds) under changed climatic situations
- Genetic enhancement of yield potential
- Breeding for resistance/ tolerance to biotic and abiotic stresses
- Biotechnological approaches to rice improvement
- Simulation models to analyse rice-weather interaction and future impact predictability
- Growth and yield responses to weather components and predicted climate change
- Environment auditing and budgeting specific to rice growing regions

II. Impact of climate change on natural resource management

- Enhancement of the resource management use efficiency
- Integrated approach to develop management options against abiotic stresses
- Pest management (insects, diseases and weeds) under changed climate conditions.
- Development of models for total impact of climate on rice productivity
- Vulnerability of rice productivity to natural hazards and contingent planning
- Crop intensification and diversification, new approach of crop establishment
- Energy management, product diversification, value addition and post harvest technology

III. Impact of climate change on coastal rice management

- Extent, severity, nature and seasonal fluctuation of coastal salinity due to climate change
- Genetical basis of breeding and varietal development for coastal saline areas
- Prospects of improving agricultural productivity through diversified farming
- Socio-economic and bio-physical characterization for assessing the needs, constraints and opportunities for improving the livelihoods of farming households in the coastline areas

IV. Socio-economics components, mitigation option, technology transfer

- Information Technology system, impediments in transfer and their remedies
- New innovative technologies, their assessment and refinement
- New innovative technologies, their assessment and refinement
- Farmers' participatory research
- Constraint analysis for technology transfer
- Environmental information system for early warning on natural calamities
- Policy implementation and implications in social and governance issues

ELIGIBILITY

The participation is open to all researchers, teachers, students, organisations, NGOs, etc. who are engaged in the research and development for sustaining rice productivity under varying climatic conditions.

CALL FOR PAPERS

Participants are requested to submit Abstract and Full Paper clearly mentioning the thematic area of interest. The last dates for submission of Abstracts is 15.10.2010 while for Full Papers is 31.10.2010. The acceptance of the paper will be communicated as early as possible **through e-mail only**. Presentation of papers may be in the form of poster or oral and the decision will be communicated in time. Abstract of paper should not be exceeding 1.5 typed pages (page size 8.5 X 11", 12 pt font, Times New Roman, Double space, 1" margin on all sides). Full paper should be concise not to exceed 6 pages (page size 8.5 X 11", 12 pt font, Times New Roman, Double space, 1" margin on all sides) in total including tables and figures) and styles of presentation should conform to the journal 'Oryza'. **E-mail address of the corresponding author must be provided.**

REGISTRATION

Category	**Amount** (Up to October 31st, 2010)
Members	Rs. 2000/-
Non members	Rs. 2500/-
Students	Rs. 1500/-
NRI	US $ 150/-
Industry representatives	Rs. 5000/-

Late fee of Rs. 500/- will be charged extra after October 31st, 2010

Remittances may be sent by **DD** in favour of **Secretary, ARRW** payable at **Cuttack**

All the participants are requested to fill up the attached **Registration cum accommodation form** and send it to **Secretary, ARRW, Central Rice Research Institute, Cuttack - 753 006**

LAST DATES

Last date for receipt of Abstracts	: October 15th, 2010
Last date for receipt of Full Paper	: October 31st, 2010
Last date for Registration	: October 31st, 2010
Notification of acceptance of Abstract	: October 31st, 2010