











National Conclave on Sustainability-Productivity and Green Growth





13th February, 2024

Organized Jointly by



National Productivity Council

DPIIT, Ministry of Commerce & Industry, GOI

ICAR Research Complex for Eastern Region

DARE, Ministry of Agriculture and Farmers' Welfare, GOI

Bihar State Productivity Council
With
Indian Potash Limited as Industry Partner

Venue: ICAR Research Complex for Eastern Region, Patna









About the programme

The green growth envisions a future with environmentally sustainable and equitable economic growth, resource security, healthy environment (air, water and land) and restored ecosystem with rich ecology and biodiversity. For achieving green growth, enhancement of productivity at all levels in agriculture, industry and service sectors is essential. The academia and education community play a major role in achieving green growth. Science provides the basis for new and sustainable approaches, solutions and technologies to meet the challenges for sustainable development. Keeping in view, a National conclave on "Sustainability- Productivity and Green Growth" is oning to be organized jointly by ICAR Research Complex for Eastern Region. Patna with National Productivity Council (NPC), and Bihar State Productivity Council in collaboration with Indian Potash Limited (IPL) on 13th February, 2024 at ICAR RCER, Patna. The primary objective for organizing this conclave is to sensitize the academic professionals, researchers, industry representatives, farmers, and students at large about green growth and environmental sustainability through sustainable farming practices, resource use efficiency, renewable energy sources and relevant policies. It will also help academic institutions in evolving or strengthening their curricula/educational activities preparing the future professional for contributing to green growth.

About the National Productivity Council



National Productivity Council of India (NPC), established in the year 1958, is an autonomous organization under Department for Promotion of Industry & Internal Trade, Ministry of Commerce and Industry, G. Besides undertaking research in the area of productivity, NPC has been providing consultancy and training services in areas of Industrial Engineering, Agri-Business, Economic Services, Quality Management, Human Resources Management, Information Technology, Technology Management, Energy Management, Environmental Management etc., to the Government and Public & Private sector organizations, NPC is a constituent of the Tokyo-based Asian Productivity Organization (APD), an Inter-Governmental Body of which the Government of India is a founding member. NPC has vision to be the knowledge leader in productivity to provide state of our services to the Indian economy to become globally competitive with mission to Contribute the sustainable, inclusive socioeconomic development of the country by enhancing productivity.

About the Indian Potash Limited (IPL)



Indian Potash Limited (IPL) was incorporated under Indian Companies Act with the objective of import-handling, promotion and marketing of potash in the entire county. IPL is a major player in multiple value chains and inputs, and is steadfastly contributing



and marching towards agrarian growth and farmers' prosperity in India. The dedicated field work of IPL has led to the acceptance of potash across the country which was until then unknown to Indian farmers. IPL has successfully established a vast network, and its services are coordinated by 15 Regional offices in various State capitals. It enables IPL to take any agricultural input or service to farmers' doorstep in over six lakh villages across the Country. IPL has initiated several Corporate Social Responsibility (CSR) programs to address social causes promote environmental sustainability and climate change awareness. Their CSR initiatives are contributing to the well-being of communities and addressing pressing global challenges

About the ICAR-RCER, Patna





Established on February 22, 2001, ICAR-RCER in Patna, with its headquarters, and regional centers in Darbhanga, Bihar, and Ranchi, Jharkhand, as well as two KVKs in Buxar, Bihar, and Ramgarh, Jharkhand, has been a hub of agricultural excellence. Since its inception, the institute has tirelessly engaged in research, extension, and training activities spanning various crucial domains - from land and water resources management to crop cultivation, horticulture, aquatic agriculture, fisheries, livestock, poultry, agro-forestry, processing, and socio-economic aspects. Its mission is to uplift the lives of resource-poor farmers in the region through innovative, cost-effective, and sustainable technologies tailored to the unique needs of Eastern India. With its jurisdiction encompassing all seven states in the Eastern region, the institute is committed to transforming this high-potential but low-productivity area, consisting of six distinct Agri-ecological Economic Zones (AEZ), into a thriving, high-yield



Organizing committee

Chairman Dr. Anup Das, Director ICAR RCER, Patna

Shri J K Singh, Regional Director, National Productivity Council, Co-Chairman

Patna

Dr. Sanjeev Kumar, Head, DCR, ICAR RCER, Patna Organizing **Secretaries**

Dr. Santosh Kumar, Senior Scientist, ICAR RCER, Patna

Shri Kumar Birendra, Dy. Director, National Productivity

Council, Patna

Co-organizing

Secretaries

Dr. Dhiraj Kumar Singh, Senior Scientist, ICAR RCER, Patna

Dr. Rakesh Kumar, Senior Scientist, ICAR RCER, Patna

Dr. Rajni Kumari, Senior Scientist, ICAR RCER, Patna

Dr. P. K. Sundaram, Senior Scientist, ICAR RCER, Patna

Convenors

Dr. Anirban Mukherjee, Scientist, ICAR RCER, Patna

Dr. Akram Ahmad, Scientist, ICAR RCER, Patna

Dr. Kirti Saurabh, Scientist, ICAR RCER, Patna

Dr. Abhishek Kumar, Scientist, ICAR RCER, Patna

Dr. Jaspreet Singh, Scientist, ICAR RCER, Patna

Co-Convenors

Dr. Kumari Shubha, Scientist, ICAR RCER, Patna

Dr. Abhishek Kumar Dubey, Scientist, ICAR RCER, Patna

Dr. Manisha Tamta, Scientist, ICAR RCER, Patna

Dr. Sonaka Ghosh, Scientist, ICAR RCER, Patna

Dr. Saurabh Kumar, Scientist, ICAR RCER, Patna

Dr. Banda Sainath, Scientist, ICAR RCER, Patna

Panellists

Dr. Ashutosh Upadhyaya, Head, DLWM, ICAR RCER, Patna

Dr. Kamal Sarma, Head, DLFM, ICAR RCER, Patna

Dr. Sanjeev Kumar, Head, DCR, ICAR RCER, Patna

Dr. Ujjwal Kumar, Head, DSEE, ICAR RCER, Patna

Dr. Deo Karan, Head, KVK, Buxar, Bihar

Dr. Sudhanshu Shekhar, Head, KVK, Ramgarh, Jharkhand

Name and designation of delegates **Particulars** Time

/resource persons 9:45AM - 10:30 AM Registration 10:30 AM - 12:05 PM **Inaugural session** 10:30 AM - 10:40 AM Reception of dignitaries

Shri J K Singh, Regional Director, National

Dr. Rajeev Ranjan, (IAS Retd.), Director,

Dr. Sapana A Narula, Prof & Dean-School

Dr. Anup Das, Director, ICAR, RCER, Patna

Dr. Rajeev Ranjan, (IAS Retd.), Director,

Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University (BASU),

Shri D K Srivastava, President Bihar State

Shri Rajeev Kumar, AGM, Reserve Bank of

Borlaug Institute for South Asia (BISA)

Shri Kumar Birendra, Dy. Director, NPC, Patna

center for Nanoscience and Nanotechnology,

(CIMMYT), Pusa, Samastipur, India

Dr. Muneer A Magry, Prof., School of

Management Studies, Nalanda University Dr. Rakesh Kumar Singh, Head, Aryabhatta

Aryabhatta Knowledge University, Patna,

ICRO, National Productivity Council Dr. Bikash Das, Director, ICAR-NRC on

of Management Studies, Nalanda

Productivity Council, Patna

Litchi, Muzaffarpur, Bihar

University

Patna, Bihar

Productivity Council

ICRO

India, Patna

Bihar-800001

Dr. Raj Kumar Jat

Programme Schedule

10:40 AM - 10:50 AM ICAR song and lighting of lamp Felicitation of Chief guest and other dignitaries Welcome address

10:50 AM - 11:00 AM 11:00 AM - 11:10 AM 11:10 AM - 11:20AM Address by Guest of Honour

Address by Guest of Honour

11:20 AM - 11:30 AM 11:30 AM - 11:40 AM

Address by Guest of Honour 11:40 AM - 11:50 AM Address by Director, ICAR RCER, Patna 11:50 AM - 12:00 PM

Certificate/Prize distribution to MSME units & winners of Elocution contest Address by the Chief Guest

12:00 PM - 12:10 PM 12:10 PM - 12:15 PM

Vote of Thanks Rapporteurs: Dr. Kumari Shubha, Dr. Saurabh Kumar and Shri Kumar Birendra 12:05 PM - 12:20 PM

12:20 PM - 1:10 PM

High Tea Break **Technical Session**

Chairman: Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University, Patna, Bihar

Co-chairman: Dr. Bikash Das, Director, ICAR-NRC on Litchi, Muzaffarpur, Bihar

12:20 PM - 12:30 PM 12:30 PM - 12:40 PM

12.50 PM - 01.00 PM

01:00 PM - 01:10 PM

01:10 PM - 02:10 PM

12:40 PM - 12:50 PM

Agriculture in India

Sustainability

agriculture

Lunch Break

Green financing

Initiatives on Climate Resilient

Climate Change and Sustainability

Nanotechnology for sustainable

NPC's Role in Promoting

Rapporteurs: Dr. Kirti Saurabh, Dr. Akram Ahmad, and Shri Ujjwal Narayan

Programme Schedule		
02:10 PM - 03:00 PM	Exposure to sustainable agricultural practices at ICAR RCER research farm	All Participants
03:00 PM - 05:00 PM	Panel Discussion Session	
03:00 PM - 04:30 PM	Chairman: Dr. Anup Das Director, ICAR RCER, Patna Co-Chairman: Shri J K Singh Regional Director, NPC, Patna Moderator: Dr. Santosh Kumar Sr. Scientist, ICAR RCER, Patna Panel discussions on "Sustainable Agriculture and Green Growth"	Panelists: Dr. Ashutosh Upadhyaya , Head, DLWM Dr. Kamal Sarma, Head, DLFM Dr. Sanjeev Kumar, Head, DCR Dr. Ujjwal Kumar, Head, DSEE Dr. R. K. Singh, Head, ICAR-CPRS RS, Patna Dr. Md. Monobrullah, Pr. Scientist, ICAR-ATARI, Patna Dr. R. D. Singh, Former Pr. Scientist, ICAR Dr. Janardan Jee, Former Pr. Scientist, ICAR Dr. S.K.Singh, Former Pr. Scientist, ICAR Dr. Deo Karan, Head, KVK, Buxar, Bihar Dr. Sudhanshu Shekhar Head, KVK, Ramgarh, Jharkhand Representatives from farmers, ICAR scientists, CGIAR centers and others
04:30 PM - 04:40 PM	Remarks from participating farmers	
04:40 PM - 04:50 PM	Concluding points of panel discussion	Shri Kumar Birendra, Dy. Director, NPC, Patna
04:50 PM - 05:00 PM	vote of thanks	Dr. Dhiraj Kumar Singh, Senior Scientist, ICAR Patna
Rapporteurs: Dr. Anirban Mukherjee, Dr. Banda Sainath and Shri Ujjwal Narayan		
हर कदम, हर डगर किसानों का हमसफर भारतीय कृषि अनुसंघान परिषद Agrisearch with a 15 uman touch		