

POLICY ROUNDTABLE ON TRANSFORMING ODISHA'S AGRI-FOOD SYSTEMS

October 20-21, 2022

Crystal Hall, Mayfair Convention Bhubaneswar, Odisha



INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE

IFPRI



Policy Roundtable on Transforming Odisha's Agri-food Systems

Dates- October 20th and October 21st, 2022

Venue- Crystal Hall, Mayfair Convention Bhubaneswar, Odisha

Theme-Building partnership for agri-food transformation in Odisha for doubling farmers' income

Background

The paradoxical nature of Odisha with rapid progress on development indicators but lagging agricultural transformation, with moderate rise in farm incomes, and subpar resilience in agriculture beckons new thinking. There is a need for a new strategy for farmer welfare and inclusive development. Odisha's growth story presents both robust economic growth with a steady rise in consumption and investment on the one hand but on the other, the income of farmers from crop production has been less than half of the national average. Further, because of climate-related factors, while nationally in India 41% of farmers have on average experienced crop loss, it is over 71% for Odisha farmers. Like the Government of India (GoI), the Government of Odisha (GoO) has thus also embarked on the ambitious target of doubling farmers' income (DFI).

The poor in rural areas of Odisha who depend on agriculture cultivate extremely small parcels of land have low yields, face climate risks, and high transaction costs to access information, technology, and markets. There are key challenges faced by smallholders in Odisha. In the past, several efforts have been initiated to improve the livelihood of the poor and smallholders, but the outcomes leave the possibility of further improvement.

To overcome emerging and complex challenges, it is necessary to bring key actors and stakeholders together to jointly develop and implement policies and programs. Therefore, the formal partnership of key actors and stakeholders is needed to play an important role in transforming agriculture and improving outcomes for farmers as GoO mainstreams doubling farmer income (DFI) as its core strategy.

GoO and International Food Policy Research Institute (IFPRI) signed a Memorandum of Understanding (MoU) recently for partnership for collaborative research and capacity strengthening activities for meeting the goals of farm income growth at the required levels and for dealing with shocks to preserve farmer welfare. The objectives of the proposed partnership with GoO, inter alia, is to develop a network of key stakeholders, especially professionals, policymakers, private sector, and civil society organizations in prioritizing challenges and approaches and to harness opportunities of faster diffusion of sustainable technologies, practices, and innovative policies for smallholders' welfare.



Objectives:

As a part of the MoU, the Department of Agriculture and Farmers' Empowerment in collaboration with IFPRI will organize a policy roundtable in Bhubaneswar, on October 20th and 21st, 2022, on issues related to building a resilient food system in the state for raising farmers' income. The objective is twofold:

1. To brainstorm and deliberate on how we can strengthen the partnership on agri-food transformation in the state to work towards the objective of sustainably raising farmers' income. Many development partners including donors, technical support organizations, international and local NGOs, and multilateral agencies working at the state and/or district level support GoO efforts on DFI. Through this roundtable, it will be an endeavor to prevent overlap of efforts and optimize on different lines of work by different organizations, private sectors and institutions. Through information sharing, collaborative engagement, with targeted geographic and strategic planning, the goal is to develop a shared strategy to ensure evidence-based policies. The objective is to deliver the best results for raising farmers' income. Towards this, the policy roundtable aims to strengthen coordination and collaboration in support of GoO efforts, with convergence across different agencies and implementers.

Several stakeholders such as BMGF, IRRI, ICARDA, ICRISAT, WFP, CIP, Odisha Integrated Irrigated Program for Climate Resilient Agriculture (OIIPCRA), ICAR-NRRI, ICAR-CIBA, ICAR-CIWA, IWMI, MPEDA, Animal Husbandry, Oil Palm Companies, World Bank - Governance, Development and Impact (GDI) and others are working to implement a shared strategy for improving farmers' income in the state. The policy roundtable is a reflection of the felt need to learn more about what the various development partners are working on and if there are further opportunities for strengthening collaboration.

2. Further, as part of the roundtable, the Department will also organize a session with IFPRI and IWMI (two CGIAR organizations active in state) dedicated to optimal water use systems and rationalized policies towards this goal. Policies, programs, investments, and innovations aimed at state achieving the goal of expanding access to affordable and sustainable irrigation while addressing the issues of sub optimal returns to irrigation. Notably, 16 of the 30 districts in Odisha are among the most irrigation-deprived districts of India with the highest proportion of unirrigated holdings. Less than 35% of the cultivable area is irrigated in 198 of the 314 blocks of the state. Government of Odisha has decided to provide irrigation to at least 35% of the land in every block of the state. Water use optimization and efficiency are core needs of raising and stabilizing farm incomes in Odisha.

Expanding access to affordable irrigation in Odisha is both a water and an energy challenge. Since 1990, almost all the new irrigated area added in India has been as a result of the expansion of pump irrigation - in which access to energy plays a pivotal role. Electricity use for irrigation in Odisha has increased from 158 million units in 2011-12 to 806 million units in 2021-22—a fivefold increase in just 10 years. Going forward, some key questions remain - What kind of power supply regime and pricing policies can facilitate equitable and sustainable irrigation expansion?



As part of the component of roundtable dedicated to access to water and water use efficiency, robust discussion is planned for solar energy. Over the last decade, India has seen massive growth in the deployment of solar energy. India is home to more than 93% of the world's renewable energy generation capacity deployed for use in agriculture (IRENA 2021). Solar irrigation pumps had grown from a handful in 2010 to more than 300,000 by 2020. Both the Department of Agriculture and the Odisha Renewable Energy Development Authority (OREDA) are working together to promote the use of solar pumps for irrigation.

Another key area of priority is the adoption of micro irrigation systems that can lead to more efficient use of water and energy for irrigation and help farmers bring more land under high-value cultivation in the winter and summer seasons. Its adoption, however, has been below potential in Odisha despite substantial capital subsidies offered by the state government. What can be learnt from the experience of micro irrigation promotion in other states

These three themes will be discussed in the Policy Dialogue on 'Water and Energy Policies for Food System Transformation in Odisha' on 20th October 2022. Several stakeholders such as farmers, entrepreneurs, civil society organizations, donors, financial institutions, and senior state officials from the Departments of Agriculture; Energy; Water Resources, and OREDA will attend this policy dialogue. Discussions will be based on empirical policy research in Odisha, but also on the experience of policy formulation and implementation elsewhere. Bold ideas and innovative business models will be discussed.

The policy roundtable is planned for October 20th and 21st at Crystal Hall, Mayfair Convention Bhubaneswar, Mayfair Road, Near Tarini Siddheswara Temple, 8 B, Jaydev Vihar, Bhubaneswar, Odisha 751013, for one and half days. The draft program below offers a glimpse of the rich fare that underpins this policy dialogue.



AGENDA

Policy Roundtable on Transforming Odisha's Agri-food Systems

October 20-21, 2022 | Crystal Hall, Mayfair Convention Bhubaneswar, Odisha

PROGRAM Day 1 – 20th October 2022

(IST)

09:30 10:00 **Registration and Tea**

10:00 11:00 **Inaugural Session**

Chief Guest: Hon'ble Minister Shri Ranendra Pratap Swain, Agriculture & Farmers' Empowerment and Fisheries & ARD, Government of Odisha

Welcome Address and Opening Remarks: Principal Secretary to Government, Department of Agriculture and Farmers' Empowerment (DoAFE)

Concepts and Framework: Dr. Shahidur Rashid, Director, IFPRI-South Asia

Remarks By: Commissioner-cum-Secretary to Government, Fisheries & Animal Resources Development Department

Remarks By: Additional Chief Secretary to Government, Department of Water Resources

Remarks By: Agriculture Production Commissioner-cum- ACS, Government of Odisha

Remarks By: Chief Secretary, Government of Odisha

Special Address: Hon'ble Minister Shri Ranendra Pratap Swain, Agriculture & Farmers' Empowerment and Fisheries & ARD, Government of Odisha

Vote of Thanks: Special Secretary to Government, Department of Agriculture and Farmers' Empowerment

Other Dignitaries:

- Principal Secretary to Government, Energy Department
- Vice Chancellor, Odisha University of Agriculture and Technology (OUAT)
- Director, ICAR - National Rice Research Institute (ICAR-NRRI), Cuttack
- Director of Agriculture and Food Production, Odisha
- Director, Horticulture
- Director, Fisheries
- Director, Animal Husbandry & Veterinary Services
- Director, Soil Conservation & Watershed Development



11:00	11:30	High Tea
11:30	13:00	PLENARY 1: EXPERTS' PERSPECTIVES Chair: Dr. Arabinda K. Padhee, Principal Secretary, DoAFE Co-chairperson: Dr. PG Chengappa, Formerly Vice Chancellor, University of Agricultural Sciences Raising Farmers' Income & Public Policies: Insights from MSP, Procurement, & PDS Prof A. Ganesh Kumar, Indira Gandhi Institute of Development Research (IGIDR) Role of Markets in Agri-Food System Transformation Dr. Ranjit Kumar, ICAR-The National Academy of Agricultural Research Management (ICAR-NAARM) Perspectives on the Strategies for Doubling Farmers' Income Dr. Alka Singh, ICAR-Indian Agricultural Research Institute (ICAR-IARI) Sociological and Institutional Arrangements in Agricultural Markets Dr. Mekhala Krishnamurthy, Centre for Policy Research and Ashoka University Sources of Growth for Enhancing Farmers' Incomes in Odisha Dr Raka Saxena, ICAR-National Institute of Agricultural Economics and Policy Research (ICAR-NIAP) Discussion and Q&A* Key Takeaways from the Presentations Dr. Devesh Roy [^] , IFPRI Chair and Co-Chair's Closing Remarks
13:00	13:45	Lunch
13:45	14:45	PLENARY SESSION 2: PARTNERS' ROLES AND PERSPECTIVES ON TRANSFORMATION Moderator: Dr. Sanjeev Chaddha, Special Secretary, DoAFE Partners (maximum 10 minutes presentation from each partner): <ol style="list-style-type: none">1. BMGF2. IRRI3. ICARDA4. ICRISAT5. WFP6. IWMI
14:45	15:00	Discussion and Q & A
15:00	16:00	PLENARY SESSION 2: CONTINUED Moderator: Dr. Sanjeev Chaddha, Special Secretary, DoAFE Partners (maximum 10 minutes presentation from each partner): <ol style="list-style-type: none">1. CIP2. Oil Palm Company3. World Bank - Governance Development Impact4. Marine Products Export Development Authority (MPEDA) - Fisheries5. ICAR - Central Institute of Brackishwater Aquaculture (ICAR-CIBA)6. ICAR - Central Institute for Women in Agriculture (ICAR-CIWA)
16:00	16:15	Discussion and Q & A
16:15	16:30	Tea and Coffee Break

*Invited dignitaries to participate in the discussion; [^]speaker will present virtually



		PLENARY 3: WATER AND ENERGY POLICIES FOR TRANSFORMING ODISHA'S FOOD SYSTEM
16:30	16:45	Chair: Dr. Alok Sikka, India Country Representative, IWMI Keynote Presentation: Roadmap for Delivering <i>Har Khet ko Paani</i> in Odisha Dr. Avinash Kishore, IFPRI Dr. Shilp Verma, IWMI
16:45	17:15	Moderated Discussion Moderator: Dr. Alok Sikka, IWMI Panelists: <ol style="list-style-type: none">1. Principal Secretary to Government, DoAFE2. Additional Secretary- cum- Project Director, Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)3. Director, ICAR-Indian Institute of Water Management (ICAR-IIWM)4. Director, Horticulture5. Director, Soil Conservation & Watershed Development
17:15	17:25	Powering Agriculture through Grid and Decentralized Renewable Energy Ms. Neha Durga, IWMI
17:25	18:00	Panel Discussion: Powering Agriculture through Grid and Decentralized Renewable Energy Moderator: Ms. Neha Durga, IWMI and Dr Shilp Verma, IWMI Panelists: <ol style="list-style-type: none">1. Special Secretary to Government, DoAFE2. Mr. Trilochan Panda. Managing Director. GRIDCO Limited3. CEO, Orissa Renewable Energy Development Agency (OREDA)4. Dr. Mohinder Gulati, World Bank5. Dr. Ganesh Neelam, Tata Trusts6. Dr. Nilanjan Ghose, GIZ7. Mr. Gaurav Mahto, Khethworks Private Limited
18:00	18:15	Bio Break
18:15	19:15	Panel Discussion: More Crop per Drop and Watt: Accelerating the Adoption of Micro-irrigation in Odisha Moderator: Dr. Avinash Kishore, IFPRI and Ms. Garima Taneja, IWMI Panelists: <ol style="list-style-type: none">1. Special Secretary to Government, DoAFE2. Director, Horticulture3. Director, Soil Conservation & Watershed Development4. Additional Secretary- cum -Project Director, Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)5. Dr. Tushar Shah, IWMI6. Mr. Shantanu, CINI7. Mr. Amulya Khandai, Pradan8. Dil Bahadur, Jain Irrigation Systems Ltd.
19:15	19:30	Concluding Remarks Dr. Alok Sikka, IWMI
19:30	Onwards	Dinner



PROGRAM Day 2 – 21st October 2022

(IST)

		Policy Roundtable: Synthesis, Strategies, and the Way Forward
		Moderator: Dr. T Nanda Kumar, Former Secretary, Government of India
10:00	10:20	Synthesis Way Forward and IFPRI's Engagement in the State Dr. Devesh Roy [^] , IFPRI
10:20	10:35	An Overview of Odisha's Millet Mission Mr. Prem Chandra Chaudhary, IAS, Director of Agriculture and Food Production, DoAFE
10:35	11:35	Panel Discussion: Recapping Key Policies and Programs Panelists: <ol style="list-style-type: none">1. Vice Chancellor, Odisha University of Agriculture and Technology (OUAT)2. Commissioner-cum-Secretary to Government, Fisheries & ARD3. Principal Secretary Co-Operation and Special Secretary to Government, DoAFE4. Director, Fisheries5. Director, Animal Husbandry & Veterinary Services6. Director, Agriculture & Food Production7. Director, Horticulture8. Director, Soil Conservation & Watershed Development9. Managing Director, Odisha State Seeds Cooperation Limited
11:35	11:45	Closing Remarks Dr. Shahidur Rashid, IFPRI
11:45	11:50	Vote of Thanks Dr. Mamata Pradhan, IFPRI
12:00 onwards		Lunch

[^]speaker will present virtually

Note: Tea and Coffee will be served during the session