



# Proceedings

Farmer  
FIRST



## Zonal Review Workshop Farmer **FIRST** Programme under ICAR-ATARI Kolkata

12.03.2024



भाकृअनुप - कृषि तकनीकी अनुप्रयोग अनुसंधान संस्थान कोलकाता

ICAR- Agricultural Technology Application Research Institute

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## **Proceedings of Zonal Review Workshop of Farmer FIRST Programme (FFP) organized at ICAR-ATARI Kolkata**

One day Zonal Review Workshop of Farmer FIRST Programme (FFP) was organized through hybrid mode by ICAR-Agricultural Technology Application Research Institute (ATARI), Kolkata for three ICAR Institutes i.e., ICAR-CIFA, Bhubaneswar, ICAR-IIWM, Bhubaneswar and ICAR-NRRI, Cuttack and one SAU i.e., OUAT, Bhubaneswar on 12 March, 2024 in the Conference Hall under the Chairmanship of Dr. Pradip Dey, Director-cum-Chairman, Zonal Programme Management Committee (ZPMC), FFP, ICAR-ATARI, Kolkata. The objective of the workshop was to review the salient achievements of 2023-24 and to finalize the Action Plan of 2024-25. Dr. A. Sarangi, Director, ICAR-IIWM, Bhubaneswar was the Chief Guest in the workshop. Dr. K.S. Das, Pr. Scientist-cum-Member-Secretary, ZPMC, ICAR-ATARI, Kolkata coordinated the workshop. A total of 50 participants including Principal Scientists as well as all project/administrative staff from ICAR-ATARI Kolkata and PIs/Co-PIs/SRFs of the FFP implementing institutes physically attended the Workshop, which are given below.

<i>Name</i>	<i>Designation</i>
Dr. P. Dey	Director and Chairman, ZPMC, FFP, ICAR-ATARI Kolkata
Dr. A. Sarangi	Chief Guest, Director, ICAR-IIWM, Bhubaneswar, FFP Workshop
Dr. P. P. Pal	Pr. Scientist, ICAR-ATARI Kolkata
Dr. A. Halder	Pr. Scientist, ICAR-ATARI Kolkata
Dr. S. K. Mondal	Pr. Scientist, ICAR-ATARI Kolkata
Dr. K.S. Das	Pr. Scientist-cum-Member-Secretary, ZPMC, FFP, ICAR-ATARI Kolkata
Prof. B. S. Rath	Dean, College of Forestry, OUAT, Bhubaneswar and Former PI, FFP, OUAT, Bhubaneswar
Prof. B. K. Mahapatra	Head (Agronomy) and PI, FFP, OUAT, Bhubaneswar
Dr. B. Mondal	Pr. Scientist and PI, FFP, ICAR-NRRI, Cuttack
Dr. S. Lenka	Pr. Scientist and Co-PI, FFP, ICAR-NRRI, Cuttack
Dr. S. Paul	Sr. Scientist and Co-PI, FFP, ICAR-NRRI, Cuttack
Dr. S. K. Mishra	Pr. Scientist and PI, FFP, ICAR-IIWM, Bhubaneswar
Dr. B. S. Satapathy	Pr. Scientist and Co-PI, FFP, ICAR-IIWM, Bhubaneswar
Dr. D. Sethi	Sr. Scientist and Co-PI, FFP, ICAR-IIWM, Bhubaneswar
Dr. S. Sarkar	Sr. Scientist and Co-PI, FFP, ICAR-CIFA, Bhubaneswar
Dr. I. Shivaraman	Sr. Scientist and Co-PI, FFP, ICAR-CIFA, Bhubaneswar
Mrs. Anasua Majumdar	FAO (I/C), ICAR-ATARI, Kolkata
Mr. S. Saha	UDC, ICAR-ATARI, Kolkata
Mr. A. D. Banik	Assistant, ICAR-ATARI, Kolkata
Dr. A. Begam	SRF, FFP, ICAR-ATARI, Kolkata
Dr. S. Das	SRF, ARYA, ICAR-ATARI, Kolkata
Mrs. J. Basak	SRF, CFLD-Pulse, ICAR-ATARI, Kolkata
Mrs. R. Bhattacharya	SRF, NICRA, ICAR-ATARI, Kolkata
Mrs. B. Ghosh	SRF, CFLD-Oilseed, ICAR-ATARI, Kolkata
Mr. S. Ghosh	SRF, NEMA, ICAR-ATARI, Kolkata
Mr. S. Khutia	DEO, CFLD-Pulse, ICAR-ATARI, Kolkata
Mr. S. Paul	DEO, CSISA, ICAR-ATARI, Kolkata
Mr. S. Nandi	Institute Staff, ICAR-ATARI, Kolkata
Mr. P. Samanta	YP-I, NF, ICAR-ATARI, Kolkata
Mr. S. Sahaji	YP-I, NF, ICAR-ATARI, Kolkata
Mr. A. K. Dewani	YP-II, ERP, ICAR-ATARI, Kolkata
Mr. Tanmoy Das	Computer Operator, ICAR-ATARI, Kolkata and many others

### ***Inaugural Session:***

The inaugural session started with the ICAR song. After formal welcome by Dr. K.S. Das, all participants introduced themselves. Dr. K.S. Das presented a brief overview of FFP programme with its objectives, physical achievements so far in terms of number of villages/modules/farm families covered, funds sanctioned against each centre, publications done by ATARI Kolkata under FFP etc. He requested to all PIs/Co-PIs to specify the details of interventions followed/included under different modules while comparing the economic feasibility and also to verify the data sets before reporting.

In his opening remarks, Dr. Pradip Dey, Director-cum-Chairman, ZPMC, ATARI Kolkata emphasised the need for outreaching and upscaling the knowledge and technologies derived from different FFP centres so that other farmers in the district/state get benefit from it. He urged that for effective diffusion of technology and making the enterprises sustainable, range of cognitive processes with the help of extension specialists were essential. He suggested that interventions might be segregated considering the categories of farmers, their resource endowment capacity and farm typology. He stressed the need for working closely with the farmers for adoption of multi-tier system for maximizing profits. He also called for impact assessment and documentation of institutional learning by FFP centres.

The Chief Guest Dr. A. Sarangi, Director, ICAR-IIWM, Bhubaneswar in his inaugural address, pointed out that feedback of stakeholders must be reviewed before upscaling the technologies. He requested the scientists to focus on the evaluation of selected technologies on the basis of five basic capitals for sustainability, micro-irrigation assisted cropping system and divergent based irrigation for judicious use of available water, integration with other FFP centres through sharing of data for the benefit of farming community. He proposed that one common village should be developed near Bhubaneswar by all four centres by sharing their capacities and resources to showcase various technologies derived from the programme at one place.

One publication entitled '*Recent advances in Farmer FIRST Programme: Reflection from ICAR-ATARI Kolkata*' was released during the occasion.

### ***Technical Session:***

In the technical session, following four PIs/Co-PIs of Farmer FIRST Programme under ICAR-ATARI Kolkata presented the Physical and Financial Achievements during the period from 2023-24 and Action Plan for the year 2024-25, which were critically reviewed by the house and suggested necessary revision/ modifications/.

*Chairman:* Dr. A. Sarangi, Director, ICAR-IIWM, Bhubaneswar

*Panelists:* Dr. P.P. Pal, Pr. Scientist, ICAR-ATARI Kolkata

Dr. A. Haldar, Pr. Scientist, ICAR-ATARI Kolkata

Dr. S.K. Mondal, Pr. Scientist, ICAR-ATARI Kolkata

*Rapporteurs:* Dr. (Ms.) Ankita Begam, SRF, FFP and Mrs. Jhumur Basak, SRF, CFLD on Pulse, ICAR-ATARI Kolkata

The Centre-wise salient comments/action points are given below:

***ICAR-CIFA, Bhubaneswar (Presented by Dr. S. Sarkar):***

- ☞ Dr. A. Sarangi suggested to include capacity building programme for farmers in the Action Plan. He also suggested for scaling up of proven technologies related to cultivation of bitter gourd, cauliflower etc. The institute-based technologies like pond-based IFS model should be popularized among farmers to recycle the byproducts of one enterprise into another for decreasing input cost of production. He urged the centers to produce quality seed in farmers' field and for allotting 20 per cent area of different crop for its production.
- ☞ Dr. A. Halдар suggested the PIs to include unique /new specialized technologies developed at the FFP institutes for its expansion in the district. He advised for inclusion of legume crops in the cropping system for the soil health. Dr. Halдар also envisaged that as FFP is a special programme and is different from KVK activities, cutting edge technologies are to be used considering the farmers' problem. He also suggested to add leguminous crop in the cropping sequence, wherever possible.
- ☞ Dr. S.K. Mishra suggested to PI for introducing new rice varieties developed by ICAR-NRRI, Cuttack under crop-based module.
- ☞ Prof. B.S. Rath requested for convergence with other Organizations/Departments for upscaling of already established technologies. IFS model should be replicated to get economic benefits from the byproducts of related enterprises.

***ICAR-IIWM, Bhubaneswar (Presented by Dr. S.K. Mishra):***

- ☞ Dr. A. Sarangi advised to adopt/utilize digital methods in place of traditional methods for efficient use of water in agricultural crops.
- ☞ Dr. A. Halдар suggested for adoption of bio-degradable mulch (e.g. geotextile from ICAR-NINFET) instead of polythene mulch. Dr. A. Sarangi supported the suggestion and added that it will save one irrigation.
- ☞ Dr. S. Lenka, ICAR-NRRI, Cuttack suggested to use Pusa Decomposer for crop residue management which could enhance chemical, biological and nutritional profile of soil.
- ☞ Dr. P.P. Pal suggested to consider social aspect of the interventions and to document feedback from the stakeholders.
- ☞ Dr. Das suggested to use latest millet var. 'Sreeratna' released during last year from OUAT in place using comparatively old var. 'Arjun'.

***ICAR-NRRI, Cuttack (Presented by Dr. B. Mondal):***

- ☞ The house appreciated the succinctness of the presentation and component-wise analysis of data under each module.
- ☞ Dr. A. Sarangi suggested to include all the components in IFS Model with an emphasis on the residue recycling.

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***OUAT, Bhubaneswar (Presented by Prof. B.K. Mahapatra):***

- ☞ Dr. A. Sarangi proposed to select the interventions during 2024-25 on the basis of previous year experiences. He suggested to prepare a geospatial database of different villages for developing Mobile Apps. Dr. Sarangi also requested to all PIs to develop a common digital repository of successful stories for different innovative interventions.
- ☞ Dr. P.P. Pal enquired about the adoption of interventions by the general farmers (not enlisted as beneficiary under FFP project) and requested for its horizontal and vertical spread.
- ☞ Dr. I. Shivaraman suggested to all centres for preparing short duration videos of successful modules/ success stories. It was decided that the digital laboratory of ICAR-CIFA, Bhubaneswar may be used with nominal prices for preparing the same.

The technical session ended with the remarks of Dr. Sarangi that FFP, as a special programme, policy briefs should be published considering the lessons learnt from the past few years and mobile Apps should be developed by four implementing centres.

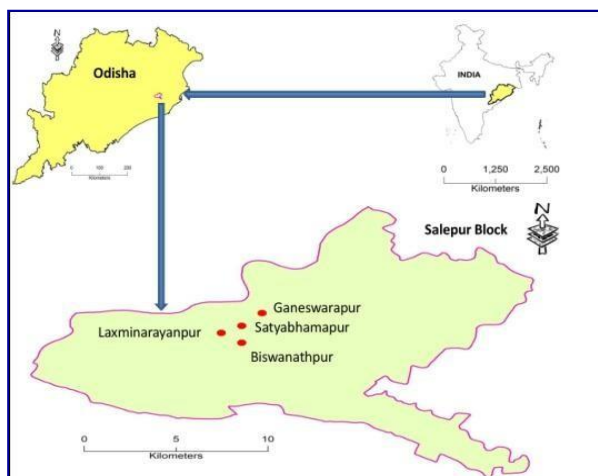
Dr. Pradip Dey, Chairman concluded the Workshop with the following remarks.

- ☞ All PIs/Co-PIs of the projects were requested to collect maximum information in the form of data from each intervention/module, to use proper statistical analysis of data and to publish papers in quality journals giving due credit to all involved. He emphasized to publish paper in collaboration with other institutes and multi-disciplinary personnel.
- ☞ All centres were advised to update information/achievements in their respective FFP Portal.
- ☞ The sustainable technologies should be selected which were viable in terms of economic feasibility, environmentally friendly and socially acceptable. He stressed on the impact assessment of various proven technologies in the adopted and non-adopted villages, documentation of institutional learning and raising of sustainability funds and promotion of FPO/FPCs to achieve economies of scale. He also requested to the authorities of concerned institutes to conduct some of the activities from other programmes like NICRA, SCSP, STC (erstwhile TSP) etc. in the older clusters to help farmers as per eligibility conditions laid down in the projects.
- ☞ Policy brief of each successful module with problem solving suggestions and recommendations should be prepared.

The workshop was ended with the formal vote of thanks by Dr. S.K. Mondal.

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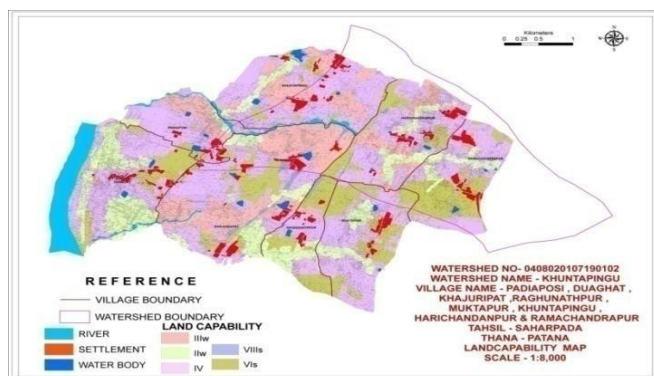
## Operational villages (in Odisha) of Farmer FIRST Programme during the year 2023-24 under ICAR-ATARI Kolkata



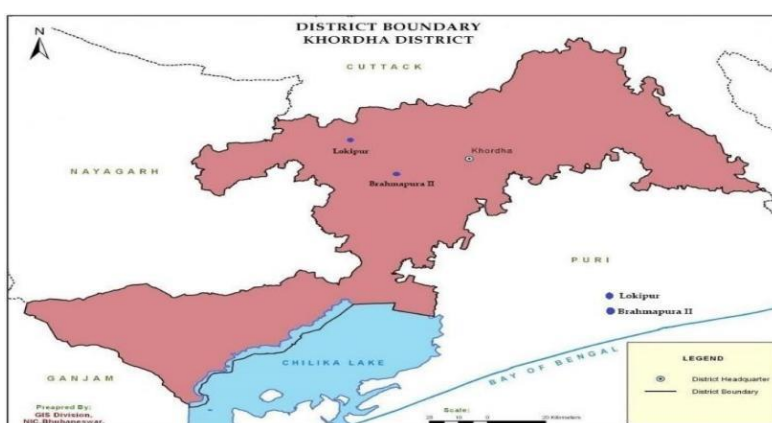
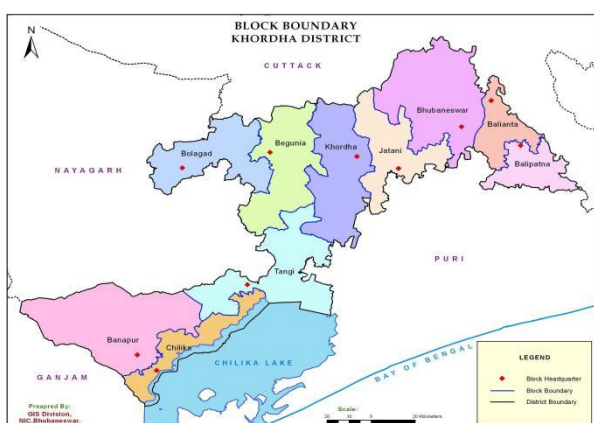
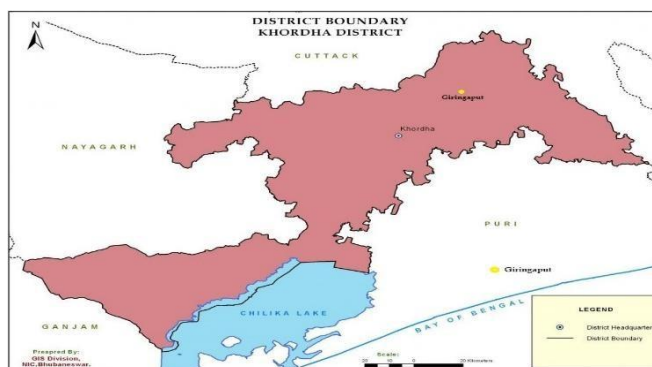
ICAR-NRRI, Cuttack



ICAR-CIFA, Bhubaneswar



ICAR-IIWM,  
Bhubaneswar



OUAT, Bhubaneswar



## Glimpses of FFP Zonal Review Workshop held at ICAR-ATARI Kolkata on 12 March, 2024

