



ICAR-CIWA NEWSLETTER

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ICAR - CENTRAL INSTITUTE FOR WOMEN IN AGRICULTURE, BHUBANESWAR-751003

Director's Desk

Women's engagement in agriculture strengthens economies and enhances opportunities for future generations. Ensuring women's access to land, credit, technology, and decision-making power can lead to sustainable development and equitable growth. Empowerment of farm women refers to the process of enabling women towards enhanced capacity, skills, and access to resources, thereby improving their autonomy, decision-making ability, and overall contribution to the agricultural sector. It involves providing women with the tools, knowledge, and opportunities needed to overcome challenges and actively participate in and benefit from agricultural and rural development. Acknowledging these challenges, ICAR-CIWA remains committed to advancing women's empowerment and enhancing the livelihoods of farm families. The Institute has made significant contribution in analyzing homestead Farming System of coastal Odisha, impact of climate resilient technologies on rice under different land topographies, digital literacy among women farmers, evaluation of power operated and drone-operated fish feed dispenser for small scale fish ponds during this quarter.

ICAR-CIWA served as the Technical Lead for Viksit Krishi Sankalp Abhiyan (VKSA) in four districts of Odisha viz., Jajpur, Bhadrak, Kendrapara and Kendujhar. The team of Scientists of ICAR-CIWA, KVK and State Department of Agriculture, Odisha through the methodical dissemination of improved technologies and scientific practices, the Institute strengthened the gender-inclusive agri-innovations synthesized a kind of awakening among the farm women and farmers of the region and created a motivation among them to upscale their farming to a new dimension and serve as a catalyst to empower other unreached peasants for achieving a developed and self-sustaining India.

The Institute obtained one patent and one copyright during this period. The institute organized different important events such as International Yoga Day, हिंदी तिमाही कार्यशाला. Several capacity building and training programmes were also organized for the benefits of women farmers and other stakeholders. A number of initiatives under SCSP was also carried out in the villages with utmost enthusiasm.

I am delighted to present this edition of the Quarterly Newsletter and sincerely thank all our collaborators, contributors, and stakeholders for their steadfast commitment to advancing the empowerment of women in agriculture.

(Mridula Devi)



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RESEARCH HIGHLIGHTS

Homestead Farming System of Coastal Odisha

(Sukanta Kumar Sarangi)

Homestead gardens are well-established land use systems where different crops, including trees, are grown in combination with livestock and fish. It is a strategic, rotational approach to crop and land management on the whole farm, rather than a crop-by-crop approach. Integration of various agricultural enterprises viz., horticulture, animal husbandry, mushroom, apiculture, vermicomposting, water harvesting, forestry etc. have great potentialities for the smallholder agricultural economy. This research project is on-going to develop homestead farming system model for women farmers of semi-arid, humid and coastal region of India and to popularize gender friendly homestead farming system models for enhanced nutrition and income of the farm family. Out of 181

households surveyed in coastal Odisha, about 88.3% of the household women practice homestead farming system (HFS). The area of HFS in this region varies from 606.8 – 1347.6 m² (Mean: 908 m²). Women farmers use about 27% area as pond, 20% area for vegetable cultivation, 15% area for raising fruit trees, 18% area used for poultry and livestock and 20% area covered under dwelling house. Based on the survey information, three models of HFS designed for coastal Odisha for 500-600 m², 600-800 m² and 900-1000 m² area. The major components of these models are vegetable crops, aquaculture and livestock. Model 1 had additional component of mushroom cultivation and backyard poultry.

Average area used for different components of homestead farming in coastal Odisha

Component	Area (%)
Vegetable cultivation	20.0
Pisciculture (Pond)	27.0
Dwelling house	20.0
Fruit crops	15.0
Livestock and poultry	18.0

Impact of climate resilient technologies on rice under different land topographies

(Praveen Jakhar, Sabita Mishra, Sachidananda Swain and Neetish Kumar)

The impact study of climate resilient technologies like summer ploughing, field bunding, DSR, drum seeding wet, green manuring and brown manuring on rice under

different land topographies clearly indicate variation in productivity across different rice establishment and soil management technologies. Yield levels ranged from 33.0 q/ha

under summer ploughing in upland rice to a maximum of 39.0 q/ha under brown manuring in lowland rice. Improved establishment methods such as DSR and drum seeding in midland and lowland ecosystems showed comparatively higher yields, with DSR and green manuring each recording 38.5 q/ha, and drum seeding producing 38.0 q/ha. Field bunding alone in midland rice improved yield to 36.0 q/ha, highlighting the importance of water conservation practices. Overall, lowland systems supplemented with nutrient management interventions (green and brown manuring) outperformed conventional land preparation techniques, indicating the greater yield potential when soil fertility enhancement is integrated with improved crop establishment. Despite comparable MSP across all treatments (Rs. 2,300/ha), income differences were mainly driven by yield and cost differentials. Gross income peaked under drum seeding (Rs. 95,650/ha), followed by brown manuring (Rs. 92,450/ha) and green manuring (Rs. 91,300/ha). Low production cost under DSR resulted in the highest net income of Rs. 43,082/ha, even though its gross income (Rs. 90,800/ha) was slightly lower than some lowland treatments. These findings reflect the economic advantage of cost-efficient establishment techniques over traditional practices. The Benefit–Cost (BC) ratio also supported these findings, with the highest BC ratio recorded in summer ploughing (1.54) (due to lower yield but relatively stabilized returns), while DSR and field bunding showed the lowest (1.32 each). However, when integrated with yield performance and operational efficiency, DSR, green manuring, and brown manuring proved to be superior strategies for enhancing income and sustainability. These results demonstrate that combining improved crop establishment and organic soil enrichment offers a viable pathway for enhancing profitability in rice-based systems.

Parameters	Upland Rice	Midland Rice	Midland Rice	Lowland Rice	Lowland Rice	Lowland Rice
Technology	Summer ploughing	Field bunding	DSR	Drum seeding wet	Green manuring	Brown manuring
Yield (Q/ha)	33.0	36.0	38.5	38.0	38.5	39.0
CoC (Rs/ha)	74,993	74,993	47,718	69,493	55,806	56,337
MSP (Rs/ha)	2,300	2,300	2,300	2,300	2,300	2,300
Gross Income (Rs/ha)	84,150	91,050	90,800	95,650	91,300	92,450
Net Income (Rs/ha)	9,158	16,058	43,082	26,158	35,494	36,114
B:C Ratio	1.54	1.32	1.32	1.39	1.35	1.38

Performance Evaluation of power operated and drone-operated fish feed dispenser for small scale fishponds

(Sachidananda Swain, Gayatri Moharana)

The performance evaluation of the power-operated fish feed dispenser is evaluated for its effectiveness in achieving high operational efficiency and improved feed distribution. At 500 RPM and 900 opening and with the collection trays kept at distances of 1 m and 0.5 m in a square configuration covering the front, right, and left directions, the observations clearly indicated that the dispersion radius increased from 4.5 m to 5.2 m, indicating better reach and coverage compared to fully operating condition of 1800 opening.



Experimental setup

In comparison to traditional manual feeding methods, the power-operated fish feed dispenser showed a substantial increase in performance, with the rate of feed distribution being approximately 17 times higher. The mechanized operation significantly reduces human involvement, limiting it only to feed refilling, thereby eliminating continuous manual effort. Further advancements in feed dispensing were evaluated using a drone-operated fish feed broadcasting system. The performance of this system was assessed at three different altitudes i.e. 2.2 m, 2.6 m, and 3.2 m to understand the effect of height on feed distribution characteristics. The results indicated that as the altitude increased, the feed dispersion radius also increased from 4.1 m at 2.2 m to 4.6 m at 3.2 m, thereby improving the coverage area. The uniformity of feed distribution decreased from 94% at the lowest altitude to 84% at the highest altitude, indicating a more scattered and less consistent spread. Similarly, feed landing accuracy declined from 0.1 m to 0.2 m, suggesting greater deviation from the intended target zone at higher altitudes. The quantity of feed delivered also showed a slight reduction, decreasing from 9.1 kg at 2.2 m to 8.4 kg at 3.2 m, possibly due to increased dispersion losses and wind drift at higher elevations. Interestingly, blockage incidents were more frequent at the lowest altitude (3 incidents at 2.2 m) but significantly reduced to only one incident at higher altitudes, which may be attributed to smoother flow dynamics and reduced feed congestion in the dispensing mechanism during elevated operation. In terms of operational endurance, the maximum operation time was observed to be highest at 2.6 m (8.6 minutes), compared to 7.2 minutes at 2.2 m and 7.8 minutes at 3.2 m. The findings indicate that while higher altitudes improve coverage, an optimal altitude such as 2.6 m ensures better uniformity, efficiency, and operational performance, making it the most suitable for practical applications.



Fish feed dispersion by using drone-based seed broadcaster

Assessment of digital literacy among women farmers

(Neetish Kumar, Ananta Sarker, Praveen Jakhar)

A comprehensive data analysis was conducted among farm women (600 nos.) to evaluate their access to and proficiency in using digital tools for agricultural purposes. The results revealed that although mobile phone ownership (77.85%) is widespread, actual digital literacy and the ability to use advanced digital applications vary considerably. Most participants were comfortable with basic phone functions such as calling (83.2%) and messaging (58.96%), while fewer women used applications like Whatsapp or conducted internet searches (44.97%). Only a small proportion (39.20%) utilized specialized digital agricultural apps or e-finance tools. Despite these gaps, there was a strong willingness among the women to enhance their digital knowledge and skills,

provided suitable training and institutional support are available. Secondary data compiled from ten government reports and publications, including those from the Ministry of Information Technology, reaffirm these findings. These reports indicate persistent gender and regional disparities in digital access but emphasize the high enthusiasm among rural women to strengthen their digital competencies. Overall, the analysis suggests that while device ownership is no longer a major barrier, focused, locally relevant training programs and community-based digital support systems are essential to bridge the digital divide and empower farm women in the agricultural sector.

IMPORTANT EVENTS

हिंदी तिमाही कार्यशाला

दिनांक 4 अप्रैल 2025 को भा.कृ.अनु.प.-केन्द्रीय कृषिरत महिला संस्थान, भुवनेश्वर में हिंदी कार्यशाला का आयोजन किया गया | संस्थान के सभी वैज्ञानिकों, अधिकारियों एवं कर्मचारियों ने इसमें हिस्सा लिया। इस कार्यशाला में मुख्य वक्ता के रूप में श्री जी पी शर्मा, पूर्व संयुक्त सचिव (वित्त) आई.सी.ए.आर (नई दिल्ली) जी को आमंत्रित किया गया था | इस कार्यशाला का विषय “वन स्टॉप गवर्नमेंट ई-मार्केटिंग प्लेस GeM के माध्यम से क्रय प्रक्रिया” था | सर्वप्रथम, संस्थान की निदेशक महोदया ने अपने स्वागत सम्बोधन में कार्यशाला में उपस्थित वैज्ञानिकों और कर्मचारियों को राजभाषा हिंदी के सरकारी कार्यों में अधिक से अधिक प्रयोग करने के लक्ष्य पर किए गए प्रयासों की सराहना की और इस दिशा में प्रयासों को निरंतर जारी रखने की अपील की। साथ ही उन्होंने बताया की इस कार्यशाला का प्रमुख उद्देश्य GeM (Government e-Marketplace) प्लेटफार्म के माध्यम से सरकारी खरीदी के विभिन्न पहलुओं को समझना और इस प्रक्रिया को सरल बनाने के बारे में था। मुख्य वक्ता द्वारा बड़े ही रोचक ढंग से बिक्री व्यवस्था का डिजिटलीकरण, GeM के फायदे, क्रय प्रक्रिया की सटीकता और पारदर्शिता पर विस्तृत चर्चा किया गया। कार्यशाला में GeM का पूरा विवरण, इसमें विक्रेता के रजिस्ट्रेशन से लेकर उत्पादों की खरीद और भुगतान प्रक्रिया तक का चरणबद्ध विवरण, क्रय प्रक्रिया में उपयोगकर्ता को विभिन्न प्रक्रियाओं जैसे बिडिंग, बोली की शुरुआत, शर्तों की पुष्टि, खरीद ऑर्डर जारी करना, और भुगतान की चरणबद्ध प्रक्रिया के बारे में जानकारी दी गई। इस कार्यशाला से यह स्पष्ट हुआ कि GeM प्लेटफार्म न केवल सरकारी खरीदारी की प्रक्रिया को अधिक पारदर्शी और सरल बनाता है, बल्कि यह सरकारी विभागों को अपने बजट का सही तरीके से प्रबंधन करने में भी मदद करता है। डिजिटल भारत की दिशा में यह एक महत्वपूर्ण कदम है, जो सरकारी कार्यों को अधिक सक्षम और प्रतिस्पर्धी बनाता है। कार्यशाला के दूसरे सत्र में उन्होंने “राष्ट्रीय स्तर पर प्रशासनिक कार्यों में हिन्दी की भूमिका” के बारे में वक्ता द्वारा विस्तृत चर्चा किया गया। इस कार्यशाला से लगभग 45 कर्मचारी लाभान्वित हुए।



Viksit Krishi Sankalp Abhiyan (VKSA) Implementation by ICAR-CIWA

The Viksit Krishi Sankalp Abhiyan, a Flagship Programme and Landmark Initiative by the Government of India aimed at transforming Indian agriculture aligns with Hon'ble Prime Minister's vision of "Lab to Land" and the concept of a developed India for a self-reliant and sustainable India and seeks to promote the widespread adoption of advanced agricultural ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), Bhubaneswar successfully implemented the Viksit Krishi Sankalp Abhiyan (VKSA) during the reporting period from May 29, 2025 to June 12, 2025.

The farmers and farm women were interacted by a team of Scientists of ICAR-CIWA, KVK and State Department of Agriculture, Odisha. The interaction started with ICAR song, VKSA song and Hon'ble Prime Minister's message to farming community. The discussions were made on the agricultural scenario of the village like, agro-climatic conditions, agricultural practices, cropping pattern, soil health, integrated pest and disease management, animal husbandry and fishery practices, gender issues, climate risks, seed and fertilizer issues, Central and state Govt. schemes etc. During the technical sessions, major Central and State Government schemes were thoroughly explained to the women farmers, not only to make people aware of the benefits that the Government is offering but also will allow many to reap benefits of the schemes and initiatives. Later in the interaction, Farmers/women farmers raised practical queries related to benefits for share croppers, mushroom farming marketing, and credit facilities and various doubts regarding the schemes, mission and new initiatives. The Scientific team responded with appropriate and need-based solutions, use of soil health cards, and other matters those were raised were addressed to the

and allied technologies across the nation. The Campaign has been launched nationwide under the initiative of Union Agriculture Minister Shri Shivraj Singh ji from Puri, Odisha on 29th May, 2025 and continued up to 12 June, 2025 with a motto of 'ONE NATION, ONE AGRICULTURE AND ONE TEAM'.

ICAR-CIWA served as the Technical Lead for four districts in Odisha viz., Jajpur, Bhadrak, Kendrapara and Kendujhar by flag off ceremony of Krishi Rath and planting of Rudrakshya plant under Ek Ped Maa ke Naam.

satisfaction of the farmers and women farmers. Other issues raised were recorded for follow-up action. Pamphlets and leaflets on scientific practices were distributed. Feedback from 25 farmers and farm women from each village was also collected. Different gender issues hampering effective participation of women farmers also discussed. Issues pertaining to availability of quality seeds especially certified seeds in the locality were discussed. The farmers were advised to practice organic farming to sustain the soil health and reduce chemical hazard. Emphasis was given on mechanization and adoption of drudgery reducing farm implements, modern fertilizers like nano Urea, DAP, etc. and its application through use of drones was also promoted. Farmers appreciated the practical approach and suggested more frequent interactions. The Soil health cards were distributed to farmers. The drone demonstrations were conducted to sensitize the women farmers/farmers about the Namo Drone Didi Scheme of Government of India which received huge response from the audience and well coverage of the program was done by the print and electronic media. Interaction meeting was held with the experts of Regulated Market

Committee for getting apprised about e-NAM portal an appropriate platform for solving their marketing issues.

The campaign succeeded significant reach with 240 outreach events covering 39 Blocks and 1320 villages throughout the implementation period, successfully reaching 1,16,542 male and 76,182 female participants for a total participation of 1,92,724 farmers of Odisha.

Through the methodical dissemination of improved technologies and scientific practices, the Institute strengthened the gender-inclusive agri-innovations synthesized a kind of awakening among the farm women and farmers of the region and created a motivation among them to upscale their farming to a new dimension and serve as a catalyst to empower other unreached peasants for achieving a developed and self-sustaining India.





Celebration of International Day of Yoga 2025

The ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), Bhubaneswar, celebrated the International Day of Yoga on 21st June 2025. This year marked the 11th International Day of Yoga, with the theme 'Yoga for one Earth and one Health'. The theme emphasizes global participation in yoga as a means of fostering environmental sustainability and promoting collective health. Observed annually on June 21, International Yoga Day aims to raise awareness about yoga's holistic contribution to physical, mental, and spiritual well-being. The United Nations General Assembly officially recognized this day in 2014, following a proposal by India's Prime Minister. The date coincides with the summer solstice, which holds spiritual significance in many cultures. During the programme, the importance

of achieving balance in life through regular yoga practice was highlighted. Staff members were encouraged to embrace yoga as part of their daily routine to reduce stress, improve health, and enhance workplace productivity. A series of yoga asanas and pranayama sessions were conducted under the expert guidance of Yogacharya Shri Deen Bandhu Sarangi and Shri Biswaranjan Rath, following the Common Yoga Protocol. All scientific, technical, administrative staff, as well as young professionals, senior research fellows and outsourcing staffs actively participated with great enthusiasm. The yoga instructors also addressed questions from participants, elaborating on how specific yoga practices benefit both physical and mental health.





ICAR-CIWA organized a series of 10 Training Programme on “Fodder Promotion and Conservation Technology for Improving Livestock Productivity” in collaboration with VOTI, FARD, Govt. of Odisha

ICAR-Central Institute for Women in Agriculture, Bhubaneswar organized a series of 10 collaborative Training Programme (three-days training) on ‘Fodder Promotion and Conservation Technology for Improving Livestock Productivity’ from 18 November 2024 to 25 April 2025 in association with Veterinary Officer's training Institute (VOTI), Fishery and Animal Resources Development Department (FARD), Bhubaneswar, Government of Odisha. Government of Odisha (2018-19) reported to have a short fall of 39.6% for green fodder and 46.5% for dry fodder and only 4.26% of total cultivated land is being used for fodder production, indicating that most of the livestock in Odisha remained underfed.

Efforts are being made for revolutionary changes in fodder cultivation through *Mukhya Mantri Kamdhenu Yojana* by ICAR-CIWA in collaboration with Govt. of Odisha for empowering women, the real workers in livestock sector. The training programmes were organised with the objective to enhance and update the knowledge of fodder staff and paravets of Govt. of Odisha about cultivation and conservation of green fodder following scientific methodologies and to empower the women farmers having a predominant role in feeding and management of dairy animals. Dr. Mridula Devi, Director, ICAR-CIWA urged the participants to build a fodder task force for the propagation of fodder in the field, developing

gochar land through SHGs/FPOs at panchayat level emphasizing upon gender sensitization for empowering women in livestock production. Dr Biswanath Sahoo, Coordinator of the programme detailed the objectives, mission and work plan of the trainings on fodder promotion. Dr Hadibandhu Bhoi, Chief Executive Officer, Odisha Livestock Resources Development Society and Dr Rajeev Sharma, Dy. Director, VOTI graced the inaugural programme and appreciated the activities of ICAR-CIWA in promoting fodder cultivation in Odisha. Dr Sukanta Kumar Sarangi, Head, Division of Agricultural Technology for Women, ICAR-CIWA suggested for application of scientific technologies and agronomical package of practices of fodder-based ecosystem.

The series of 10 training programmes covered various aspects viz. mainstreaming gender equity for enhanced livestock productivity, feed and fodder production through seasonal & perennial fodder cultivation practices in different Agro-Climatic Zones of Odisha, effective management of fodder during the scarcity period through post-harvest management of green biomass - hay & silage making, azolla cultivation as alternative green

fodder to boost up livestock productivity. Feed Block, baling, total mixed ration and pelleted feed preparation and application, low cost grain sprout production through hydroponic technique along with demonstration and hands on training were imparted to the trainees. Different agronomic package of practices on seasonal and perennial fodder cultivation for green fodder production and utilization through various models, plantation of perennial fodder, tree fodder in silvi-horti pastoral livestock system were practically demonstrated to the participants. Issues and approaches in fodder development highlighting the Schemes and Programme implemented by Govt. aiming self-sufficiency in fodder production was also detailed for effective implementation of these schemes. A total of 320 trainees (82-female, 238-male) participated in these 10 training programmes during 2024-25. Dr Dillip Das and Dr. Sunil Kumar Pradhan, Joint Directors, VOTI during the 10 batches of training programme graced the different programmes and encouraged the paravets and fodder officers to establish linkage with ICAR-CIWA for the benefit of stakeholders and women farmers working in animal husbandry sector.





ICAR-CIWA in collaboration with VOTI and the Fisheries & Animal Resources Development (FARD) Department, Government of Odisha, organized three training programmes on “Promoting Women Entrepreneurship in Poultry Production”

Poultry production is a dynamic and growing sector with immense potential for income generation, nutritional security, and employment, especially for women in rural areas. With minimal land requirements, quick returns, and easy scalability, poultry farming offers an ideal entry point for women to participate actively in agriculture and allied sectors. ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), Bhubaneswar, in collaboration with the Veterinary Officers' Training Institute (VOTI) and the Fisheries & Animal Resources Development (FARD) Department, Government of Odisha, organized three training programmes of four days duration each on “Promoting Women Entrepreneurship in Poultry Production” from 6 May 2025 to 13 June 2025. This programme was designed to enhance the skills and knowledge of women entrepreneurs in key areas of poultry production, with a focus on poultry housing and

management, disease prevention, feeding practices, entrepreneurship development, and effective marketing strategies. The women entrepreneurs were also informed about the ongoing poultry development schemes of the Animal Resources Development Department, Government of Odisha, to help them leverage available benefits. As part of the training, exposure visits were also made to the institute's poultry demonstration unit, the Environmentally Controlled Poultry Farm, and the Central Poultry Development Organization in Bhubaneswar. These visits aimed to showcase technological advancements and provide hands-on experience and practical insights into various aspects of poultry farming. Dr. Mridula Devi, Director, ICAR-CIWA, urged the participants to dream big and take confident steps towards becoming successful poultry entrepreneurs. She further stated that the institute is committed to supporting women in agriculture through

capacity building, technology transfer, and policy advocacy. This training programme is a part of that commitment, and objective is to equip the women farmers not only with technical know-how but also with the confidence and entrepreneurial mindset required to manage and scale poultry ventures successfully. Dr. Arun Kumar Panda, HOD and

Course Coordinator appreciated the participants for their enthusiastic involvement and hope this initiative sparks successful poultry ventures that uplift livelihoods and inspire rural women toward economic self-reliance. A total of 90 women entrepreneurs from various Self-Help Groups (SHG) from 8 districts of Odisha participated in the training programme.





ICAR-CIWA and Digital Green Trust Organized Residential Training on Mobile-Based Video Production for FPOs/FPCs

ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), in collaboration with Digital Green Trust, conducted a two-days residential training program on mobile-based video production from 22-23 May 2025. The training aimed to equip members of Farmer Producer Companies (FPCs) with the necessary skills to create and disseminate videos focused on women-friendly agricultural technologies within their communities. FPC members from five districts (Balangir, Khordha, Kandhamal, Mayurbhanj and Puri) and thirteen blocks (Puintala, Loisingha, Balipatna, G. Udaigiri, Bijatala, Jasipur, Bahalda, Jamda, Suliapada, Morad, Gadapalsa, Brahmagiri and Pipli) of Odisha participated in the training, which focused on practical, hands-on learning. Through this program, participants were equipped with skills in video production, including story boarding, understanding different types of shots, and basic video editing

techniques. These skills will enable them to document and share local innovations and practices effectively, especially those tailored for women farmers. Speaking at the event, Dr. Mridula Devi emphasized the value of video as a learning tool: “Video is one of the most effective techniques to help farmers adopt women-friendly technologies. The visual format allows for easier understanding and can be accessed anytime, making it a sustainable and scalable method of knowledge dissemination.” Dr. S. K. Sarangi, stressed on rapid dissemination of women friendly advanced agricultural technologies by production of good quality short duration video focussing on technical contents in agriculture and allied disciplines. This initiative marks a significant step towards building the digital capacity of grassroots organizations and promoting inclusive technology adoption in agriculture.



EVENTS AND ACTIVITIES

Sl No	Programme	Date	Venue	Participants		Nodal officer/ Team
				Women	Men	
1	Poshan Pakhwada	8.4.2025	Basudeipur Aganwadi, Satyabadi block, Puri district	55	-	Dr Jyoti Nayak & Geeta Saha
2	Poshan Pakhwada	15.4.2025	Behera Sahi AWC of Bharatpur, Sayabadi block, Puri	160	-	Dr Jyoti Nayak & Geeta Saha

MAJOR PROGRAMMES

SCSP

The Scheduled Castes Sub Plan (SCSP) is aimed at the holistic development of SC communities. Mechanization has been identified as a key strategy to reduce drudgery, increase agricultural efficiency, and enable income-generating enterprises, especially among marginalized and women farmers. During April and May 2025, a series of capacity-building and empowerment programmes were conducted across different districts of Odisha under the SCSP initiative, benefitting a total of 162 participants. On 8 April 2025, tools and implements were distributed to two SHGs in Custom Hiring Centres (CHCs) at Bhadrak, coupled with an awareness programme attended by 40 participants. On the same day, at Arikama village in Khordha district, a training programme on improved agricultural tools, their field applications, and goat farming was organized along with a health camp, benefitting 33 farm women. Similarly, a health camp and goat distribution programme were held on 17 April 2025 at Chitra village, Nimapara block of Puri district, where 51 beneficiaries participated actively. Further, a specialized training programme on “Women Entrepreneurship in Agricultural Production and Processing through CHCs” was conducted at Halupali, Bargarh, involving 13 women participants. To enhance value addition and income diversification, another training on “Entrepreneurship and Skill Development in Millet-based Value-added Products” was organized at ICAR-CIWA from 22- 24 May 2025, where 25 participants were trained in product development and business management. These collective efforts aimed to promote women’s empowerment, entrepreneurship, and sustainable livelihoods through technological support and capacity enhancement.

S. No.	Programme	Location	Duration	No. of participants	Coordinator/ Team
1.	Awareness programme & Distribution of tools and equipment for establishment of two CHCs	Rahania, Bhadrak	08 April, 2025	40	Dr. Lipi Das Mr. A. C. Hemrom
2.	Training programme on improved agricultural tools and importance on field in Goat farming and health camp under SCSP	Arikama, Khordha	08 April, 2025	33	Dr. Biswanath Sahoo
3.	Health Camp and Distribution of Goats under SCSP	Chitra, Nimapara, Puri	17 April, 2025	51	Dr. Biswanath Sahoo
4.	Women Entrepreneurship in Agricultural Production and Processing through Custom Hiring Centre	Halupali village, Bhatli Block, Bargarh District	24–26 April, 2025	13	Dr. A. K. Panda B. C. Behera

S. No.	Programme	Location	Duration	No. of participants	Coordinator/ Team
5.	Entrepreneurship and Skill Development in Millet based value added products	ICAR-CIWA	24-26 May, 2025	25	Dr. Lipi Das Dr. Sachidananda Swain Mrs. Geeta Saha Er. Pragati Kishore Rout Mr. Atul Chetan Hemrom





HUMAN RESOURCE DEVELOPMENT

Training/ Seminar/ Symposium /Workshop organized

- Dr Gayatri Moharana attended the meeting of Strengthening Rural Agri-Business Incubation Initiatives in the Northeast Region on 17 April 2025 ICAR-CRRI, Cuttack Organized by ICAR-ATARI, Zone-VII, Umiam, Meghalaya.
- Mrs. Geeta Saha attended the 40 Annual Function of Nilachal Krishak Mahasangha & Mahila Vikash Sangathan on the occasion of Akshaya Tritiya on 30 Apr 2025 at Satyabadi Block, Puri District.
- All the scientist of the Institute attended the lecture delivered by Ms. Aastha Sharma, Principal Associate at L.S. Davar & Co., Kolkata on the occasion of World Intellectual Property Day (Online) on 2 May 2025.
- Dr. S. K. Sarangi attended the Symposium on Root and Tuber Crops Research and Development in India and South Asia by International Potato Center (CIP) in collaboration with the Ministry of Agriculture and Farmers Welfare, Government of India, and the Indian Council of Agricultural Research (ICAR). The Oberoi Hotel, Dr. Zakir Hussain Marg, New Delhi on 20 May 2025.
- All the scientist of the Institute attended the Meeting of Hon'ble Agril Minister for organization of VKSA (Online) on 24 May 2025.
- Dr. S. K. Sarangi attended the online training on 'Introduction to Emerging Technologies' by Wadhwani Foundation on 25 May 2025.
- Dr. S. K. Sarangi attended the online training on 'AI for Digital Transformation: Computer Vision' by Wadhwani Foundation on 26 May 2025.
- Dr Tanuja S attended the online training on 'Effective techniques to manage stress' by Online by Dept of Personnel & Training & The Art of Living on 27 May 2025.
- Dr Tanuja S attended the online training on 'Yoga Break at ork Place' by Online by Dept of Personnel & Training & The Morarji Desai National Institute of Yoga on 27 May 2025.
- Dr Tanuja S attended the online training on 'Public relations skills' by Online by Dept of Personnel & Training & Indian railway Institute of transport Management on 30 May 2025.

- Dr Tanuja S attended the online training on ‘Agriculture and Rural development’ by Online by Dept of Personnel & Training & IIPA on 30 May 2025.
- Dr Gayatri Moharana and Dr Tania Seth attended the online training on ‘AI led Digital Transformation in Agriculture’ by Online by Wadhwani Foundation on 27 and 31 May, 2025.
- Dr Gayatri Moharana and Dr Tania Seth attended the online training on ‘Building Climate Resilience in Agriculture Systems’ by Online by The Rockefeller Foundation on 28 May 2025.
- Dr Gayatri Moharana attended the online training on ‘Understanding Mission Karmyogi’ by Online by The Karmayogi Bharat on 28 May 2025.
- Dr Gayatri Moharana and Dr Tania Seth attended the online training on ‘Effective Techniques to Manage Stress’ by Online by The Art of Living on 28 and 29 May 2025.
- Dr Gayatri Moharana attended the online training on ‘Overview of Viksit Bharat 2047’ by The Karmayogi Bharat on 30 May 2025.
- Dr Tania Seth attended the online training on ‘Agriculture and Rural Development’ by Online by Indian Institute of Public Administration on May 31 2025.

EXTENSION ACTIVITIES

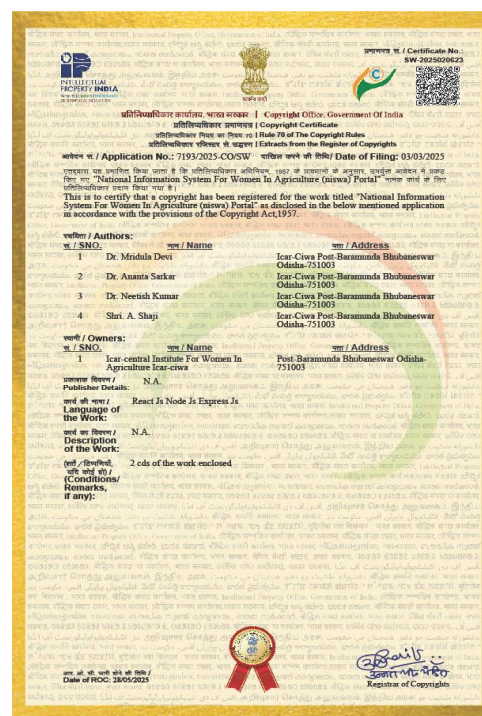
A. Training, Workshops, Demonstrations, Field Day & Awareness Programmes

S.No.	Programme	Location	Duration	No. of participants	Coordinator/Team
1.	CBP on Alleviating the Impact of Climate Change on Women Livestock Keepers	Kajipatna, Nimapara, Puri	09.04.2025	50	Dr. A. K. Panda & Dr. Arpita Mohapatra
2.	Scientist stakeholder Interface at Sompeta, Andhra Pradesh	Sompeta, Andhra Pradesh	16.04.2025	50	Dr. A. K. Panda
3.	CBP on Alleviating the Impact of Climate Change on Women Livestock Keepers	Rahama, Kujang Jagatsinghpur	1 May 2025	50	A. K. Panda

PATENT & COPYRIGHT

Patent for technology ‘**Bio-degradable bio-composite planter for nurseries and method thereof**’, patent no. 567822 dated 24-06-2025, granted to UAS, Dharwad and ICAR-CIWA, Bhubaneswar

Copyright for the software ‘**National Information System for Women in Agriculture (NISWA) portal**’ has been registered on 28-05-2025 and having Certificate No. SW-2025020623



Invited Lectures

- Dr. Neetish Kumar delivered a lecture on ‘Role of ICT in Women Entrepreneurship development and demonstration of drone’ during Entrepreneurship and Skill Development in Millet based Value Added Products (VAPs)” on 24 May 2025 at ICAR-CIWA, BBSR.

PUBLICATIONS

A. Research Papers

1. Shastri J., Babu, L.K., Panda, A.K., Panigrahi, B., Mishra, S.K. and Babu, R.N. (2025). Effect of dietary supplementation of antimicrobial peptide on production performance, egg quality and serum biochemical parameters of laying hens. *Asian Journal of Dairy and Food Research*. 44(2): 326-331.
2. Das Lipi, Mishra, S.K. and Pattanaik S. (2025). Strengthening the capacity of women farmers for accessing to agri-resources in rice farming. *Journal of Community Mobilization and Sustainable Development* 20(2): 584-589.
3. Moharana G., Das L., Nayak J. and Sahu A. (2025). Participation and need assessment of tribal women in secondary agriculture. *International Journal of Agriculture Extension and Social Development* 8(3): 378-382.
4. Mhatre C.S., Seth T., Moharana G., Mohapatra A., Sahu A. and Mahapatra M. (2025). Role of mechanization in sustainable agriculture: Concepts, innovations, and way forward. *International Journal of Research in Agronomy* 8(5): 47-51.
5. Sahu A., Kishore K., Kumar U., Selvakumar G. Sahoo S.C., Dash S.N., Nayak R.K. (2025). Effectiveness of mycorrhiza on soil enzyme activity, nutrient content and fruit quality of dragon fruit in acidic soil condition. *Applied Fruit Science Erwerbs-Obstbau* 67: 156. <https://doi.org/10.1007/s10341-025-01339-1>.
6. Pradhan K., Babu L. K., Mishra S. K., Panda A.K. and Babu R. Narayan. (2025). Effect of dietary DL-Methionine supplementation on growth performance, serum biochemical indices, and carcass characteristics of broiler chicken. *International Journal of Livestock Research* 15: 14-19.
7. Sethi S., Mridula D. and Kumar P. (2025). Integration of sprouting and extrusion for development of legume-cereal-based pasta. *International Food Research Journal* 32(2): 591–606. DOI 10.47836/ifrj.32.2.21
8. Manju Bala, Mridula D., Simran Arora, Sonmati R. Kumar, Shivani, R. K. Vishwakarma (2025). Phytoconstituent analysis, secondary metabolite profiling, and antioxidant activities of immature dropped kinnow fruits: Unveiling nature's biochemical treasures. *Indian Journal of Horticulture* 82(2): 231-239.

B. Chapters in Book/ Training Compendium

1. Das Lipi and Srivastava Diksha (2025). Agricultural Innovations and Strategic Approach for Gender Mainstreaming in Agriculture. Published in E-book 'Gender Mainstreaming in Agriculture'. (ISBN Number: 978-81-19663-32-3): 8-24.

- Mandal U.K., Ramesh V., Mal S., Lama T.D., Sarangi S.K., Mullick S. Ghosh A., Nayak D.B. and Burman D. (2025). Coastal Region Soil Health: Problems and Perspectives from India. *In: Soil*

Health and Sustainability in India. Bhattacharyya, R. (Ed.). Soil Science Society of America and John Wiley & Sons. Inc. pp. 161-188.

C. Popular Articles/ E-publications

- Panda, A. K. and Sahoo, B. (2025). Azolla: the eco-friendly super feed for poultry. *Vigyan Varta* 6(4): 206-208.
- Behera, B. C., Panda, A. K., Mishra, S. and Hemrom, A. C. (2025). ମହିଳା ଉପଯୋଗୀ ଉଦ୍ୟାନ କୃଷି ଉଦ୍ୟୋଗ (Mahila Upoyogi Udyan Krushi Udyog). *Krushaka Sambad*, 37(04): 4.
- Sabita Mishra, A K Panda and Neetish Kumar (2025). Women in rural governance: Issues and strategies. *Bhokila Peta* (Weekly Paper), 1-7 April, 2025, 12(09):3.
- Mishra, Sabita, Panda, A K, Behera, B C and Sarangi, D N (2025). Farm women leaders: the torch bearer to change. *Vigyan Varta* (Monthly Magazine), 6(4):187-190.
- Sabita Mishra, A K Panda, Neetish Kumar and B. C. Behera (2025). Extension for agriculture and rural development. *Krishi Netra*, (Monthly e-magazine), 3(3):5-10
- Mhatre C S, Mahapatra M, Mohapatra A, Sahu A and Moharana G (2025) Empowering women through farm mechanization for a safer, smarter, inclusive future. *Vigyan Varta*, 6(4):222-224.
- ब्रह्म प्रकाश, ओम प्रकाश, राकेश कुमार सिंह, मुकुन्द कुमार, कामिनी सिंह एवं नीतीश कुमार. (2024). गन्ना की फसल से अधिकाधिक उत्पादन प्राप्त करने हेतु विभिन्न बुवाई विधियाँ। सशक्ति अर्धवार्षिक राजभाषा पत्रिका (July-December) वर्ष 2, अंक 2, 2024. pp. 14-19.
- Mishra, S., Panda, A. K., Kumar Neetish and Behera, B. C. (2025). Farm women and daily time use. *Bhokila Peta*, 12(15): 3.
- Mishra, S. Panda, A.K., and Behera, B.C., (2025) Mapping constraints and solutions through agro-eco study in Dubuduba, Satyabadi, Puri. *Bhokila Peta*, 12(13):3.

AWARDS / ACHIEVEMENTS / RECOGNITIONS

- Dr. Lipi Das acted as Chairman, Technical Session-I: Agriculture Under the Theme: Precision Agriculture, Smart Farming, Sustainable Environmental Management, Food Security, Nutrition, Digital Agriculture and Agri-Tech Solutions. Plant Biotechnology and Genetic Engineering during the 4th International Conference on Recent Advances in Agriculture, Food Security, Veterinary & Allied Sciences for Livelihood and Environmental Sustainability: April 25-27, 2025. (Online) organized by Agriculture Forum for Technical Education of Farming Society (AFTEFS) in collaboration with University of Agricultural Sciences Raichur, Karnataka; Sant Gahira Guru Vishwavidyalaya, Sarguja, Ambikapur & Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, Chhattisgarh.

ବିକାଶିତ ଜୁଷ୍ଟି ସଂକଳ୍ପ ଶିବିର



ଭୂଷାରିପୋଖରୀ-୧, ୨୯/୫(ଭମିପା): ଭୂଷାରିପୋଖରୀ କଲ୍ୟାଣ ମହାପାତ୍ର ଠାରେ ବୁଦ୍ଧ କୃଷି ବିଭାଗ ପକ୍ଷରୁ ବିକଶିତ କୃଷି ସଂକଳ୍ପ ଶିବିର ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି। କୃଷି ଅଧିକାରୀ ପୁରୀପ୍ରା ପଟ୍ଟାଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଅନୁଷ୍ଠିତ କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ବୁଦ୍ଧ ଅଧ୍ୟକ୍ଷା ସୁମତୀ ଘୋଷା, ସମ୍ମାନିତ ଅତିଥି ଭାବେ ଜିଲ୍ଲା ପରିଷଦ ସଭ୍ୟ ଲକ୍ଷ୍ମୀଧର ସାହୁ, ସମେସ୍ତ ବର୍ଷାରୀଣୀ ଜେନା, ଯୁବନେତା ଚରଣୀସେନ ଜେନା ପ୍ରମୁଖ ଯୋଗ ଦେଇଥିଲେ। ସେହିଭଳି ମହାପାତ୍ର ବିଶେଷଣ ହୁ. ବିଶ୍ୱରଞ୍ଜନ ସାମନ୍ତରାୟ, କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂଘର ଅଧିକାରୀ ତୁ. ତାରିଆ ସାହୁ, ମଧୁ ଚୌଧୁରୀ, ଉଦ୍ୟାନ କୃଷି ଅଧିକାରୀ ଶୁଭଦର୍ଶିନୀ ରଥ, ମୃତ୍ତିକା ସରକ୍ଷଣ ଅଧିକାରୀ ଲକ୍ଷ୍ମୀକାନ୍ତ ପଣ୍ଡା, ମିଶନ ଶକ୍ତି ଅଧିକାରୀ ଶ୍ରୀକାନ୍ତ ଜେନା ପ୍ରମୁଖ କାର୍ଯ୍ୟକ୍ରମରେ ଯୋଗ ଦେଇଥିଲେ। ଆଧୁନିକ ଚାଷ ପ୍ରଣାଳୀ ସମ୍ପର୍କରେ ଶିବିରରେ ଚାଷୀମାନଙ୍କୁ ଅଧିକାରୀମାନେ ବିବରଣୀ ଦେଇଥିବା ବେଳେ ବିଭିନ୍ନ କୃଷିଭିତ୍ତିକ ବିଭାଗରେ ଯୋଜନାଗୁଡ଼ିକ କେଉଁଭଳି କାର୍ଯ୍ୟକାରୀ ହେବ ସେ ବେଳେ ମୁନେ ଦେଇଥିଲେ। ସହକାରୀ କୃଷି ଅଧିକାରୀ ସଂକୀର୍ତ୍ତ କୁମାର ମଲ୍ଲିକ ଧନ୍ୟବାଦ ଦେଇଥିଲେ। ଆୟୋଜିତ ସଂକଳ୍ପ ଶିବିରରେ ବହୁ ଚାଷୀ ଉପସ୍ଥିତ ରହିଥିବା ବେଳେ କୃଷି ବିଭାଗର ସମସ୍ତ କର୍ମଚାରୀ ପରିଚାଳନା କରିଥିଲେ।

ଆଡିଆରେ ବିକଶିତ କୃଷି ସଂକଳ୍ପ ଅଭିଯାନ

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ବ୍ୟବହାର ସତ୍ତ୍ୱେ ଟାଣାଳ
କମି ଯାଉଥିବା ବେଳେ ତାର
ଓ ବୁଦ୍ଧି ବିଜ୍ଞାନ କେ
କାର୍ଯ୍ୟକ୍ରମ ବାବଦରେ ଅବ
ଲୋକୀଭୁକ୍ତ । କେହି ନ ବୁଝି
ମନିବ । ସଂସ୍କାର ନ
ବୈଜ୍ଞାନିକ ତ.ପ.ସ
ଗୋପାଳଜନ ଉତୁକ ଭିକ୍ଷୁ
ମାଛ ଦାଣ ପାଇଁ ପାଣିର ପୁ
ରସିଥିବା କହି ଅଧିକରୁ ଅ

ସଂଖ୍ୟାରେ ମିଳିବା ମାନେ ଏଥିରେ
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ଉପରେ କଦି ଚାଖିଲେ ନଥିଲେ ।
ପୁରବି ପାଇଁ ବିଚାରିବ ବୁଦ୍ଧି ସଂରକ୍ଷ
ଅର୍ଥହୀନ ଆନ୍ଦୋଳନ ବର

ଯାଉଥିବା କହିଥିଲେ । ସର୍ବ
ସହକାରୀ ବୃକ୍ଷ ଅଧିକାରୀ ସୁପ୍ରିୟ
ମୁରୁଲି, ସହକାରୀ ଉପସ୍ଥାନବୃକ୍ଷ
ଅଧିକାରୀ ପାୟଲ ଚୌଧୁରୀ,
ସହକାରୀ ମହାସ୍ୱାସ୍ୟ ସମ୍ପଦ ଅଧିକାରୀ
ଗୀତାଞ୍ଜଳି ଦେହେରା, ରାଣିତାଳ
ବୃକ୍ଷ ବିଜ୍ଞାନ କେନ୍ଦ୍ର
ଡଃ. ଶ୍ରୀଯୁକ୍ତ ଶ୍ରୀ ଅନୁପମ ପ୍ରମୁଖ
ଚାଷୀଙ୍କ ଉଦ୍ଦେଶ୍ୟରେ ବଳବତ୍ତର
ରଖୁଥିଲେ । ବୈଜ୍ଞାନିକ ଶ୍ରୀ

ମନସି ପ୍ରସେଦଂ ଚାନ୍ଦିନୀପୁର
 ଗାଈ ନେତ ଗାଈ ଶାସିନୀ
 ଗଞ୍ଜାଳା ପରାଶରୀ ଶାସି ଦ୍ଵାର
 ଚନ୍ଦ୍ରପୁର ରତ୍ନପୁର ଇଂରେଜ
 ଚନ୍ଦ୍ରପୁର । ଗାନ୍ଧୀନଗର ଦୁର୍ଗ,
 ଚିତ୍ରାବଳୀ ଦୁର୍ଗ, ଗୁପ୍ତା, ପ୍ରତ୍ୟକ୍ଷା
 ଦିବ୍ୟାବେଶେ ଶତାଧିକ ଗଞ୍ଜା,
 ଦୁର୍ଗା ସହସ୍ରକେ ଶେଷା ମନ୍ଦିର,
 ଦୁର୍ଗାବେଶା ଚନ୍ଦ୍ରପୁର ଝୁଲେ । ଗା
 ଶେଷିକେ ଗାଈ ଗାଈ ଗାଈ
 ମନଃସମେଶେ ଗାଈ, ଗାଈ
 ଗାଈ ଗାଈ ଗାଈ, ଅମ୍ଭମ
 ମନୁଷ୍ୟ, ଶ୍ଵାମୀ, ଦୁର୍ଗ
 ନିଶିବା । ପ୍ରାଣିଗଣ
 ନାୟକ, ନିରବଦ୍ଧ ବାନ୍ଧବ,
 ନିରବଚନ ସୁପ୍ତି, ଚନ୍ଦ୍ର
 ଲୁଗାମ ଗୁପ୍ତା, ଚିତ୍ରାଦ୍ଵା
 କେତା, ଚିତ୍ରାବଳୀ ଦେବୀ,
 ଚନ୍ଦ୍ରପୁର ଦେବୀ, ମୟାଦିନୀ
 ଦେବୀ, ପ୍ରତ୍ୟକ୍ଷା ପ୍ରତ୍ୟକ୍ଷା
 ଦେବୀ, ଦୁର୍ଗା ଗାଈ ପ୍ରତ୍ୟକ୍ଷ
 ସହସ୍ରକେ ଶେଷିକେ ।

କୃଷକ ପରାମର୍ଶ କର୍ମଶାଳା



ବୀରିକପୁର, ୩୦/୫(ସମିପ):
 ଉଣ୍ଡାରିପୋଖରୀ ବୁକ ରହଣିଆ
 ହାଜରୁକା ପରିସରରେ ବିକଶିତ କୃଷି
 ଫଳକ ଯୋଜନା ଅନୁକୂଳରେ
 କୃଷକ ପରାମର୍ଶ କର୍ମଶାଳା ଅନୁଷ୍ଠିତ
 ହୋଇଯାଇଛି। ବୁକ କୃଷି ଅଧିକାରିଣୀ
 ଦୁର୍ଗାଧି, ପଣ୍ଡାଙ୍କ ଅଧିକ୍ଷତାରେ ଅନୁଷ୍ଠିତ
 କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରଶ୍ନାତ୍ତରୀଭାବେ ସ୍ଥାନୀୟ
 ସରପଞ୍ଚ ରଞ୍ଜନ ପରିଡ଼ା, ସମ୍ପାଦିତ
 ଅତିଥି ଭାବେ ମନ୍ତ୍ରୀ ବିଭାଗ ବିଶେଷଜ୍ଞ
 ଡ. ବିଶ୍ଵରଞ୍ଜନ ସାମନ୍ତରାୟ କେନ୍ଦ୍ରୀୟ
 କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ ଅଧିକାରିଣୀ
 ଡ. ତାନିଆ ସେଟ, ମଣ୍ଡୁ ଚୌଧୁରୀ,
 ଉପାଧ୍ୟକ୍ଷ କୃଷି ଅଧିକାରୀ ଜଳଧାମା
 ପଣିଗ୍ରାହୀ, ମର୍ଚ୍ଚକା ସରକ୍ଷଣ କର୍ମକାଳୀ

ଲକ୍ଷ୍ମୀକାନ୍ତ ପଣ୍ଡା ପ୍ରମୁଖ କାର୍ଯ୍ୟକ୍ରମରେ ଯୋଗଦେଇଥିଲେ। ଆଧୁନିକ ବାଷ୍ପ ପ୍ରଣାଳୀ ସମ୍ପର୍କରେ ଶିବିରରେ ବାଷ୍ପ ମାନଙ୍କୁ ଆହୁରଣ ମାନେ ବିଭିନ୍ନ ପରୀକ୍ଷା ଦେଇଥିଲେ। ସହକାରୀ କୃଷି ଅଭିଭାବକ ସଞ୍ଜୀବ ମଲ୍ଲିକ ସମସ୍ତଙ୍କୁ ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ। ଶିବିରକୁ ଗ୍ରାମ୍ୟ କୃଷି କର୍ମଚାରୀ ନିରୁପମା ନାୟକ, ଗାଡ଼ାଞ୍ଜଳି ପତି, ଶିବ ନାରାୟଣ ପାଣି, ଆଶିଷ ରାଉତ, ମମତାମଞ୍ଜରୀ ସେଠୀ, ସୁଚିତ୍ର ରଞ୍ଜନ ରାଉତ, ପ୍ରମୋଦ ନାୟକ, ମାନସ ଜେନା, ଅଦିନାଶ ଜେନା, ବାରିଶା ନାୟକ ପ୍ରମୁଖ ପରିଚାଳନା କରିଥିଲେ। ଏଥିରେ ମହିଳା ଓ ଯୁବକ ବାଷ୍ପ ଯୋଗ ଦେଇଥିଲେ।

— ବିଭିନ୍ନ ସ୍ଥାନରେ କୃଷି ସଂକଳ୍ପ କର୍ମଶାଳା —
 କୃଷକମାନେ ଯୋଜନାର ଲାଭ ଉଠାନ୍ତୁ

[illegible]

ପ୍ରପୁତ୍ର ବନ୍ଧବ୍ୟ ରକ୍ଷୁଥିଲେ । ବୈଦ୍ୟନିକ ଶ୍ରୀ ମହାଶିବ ପୁଣ୍ଡେଳିକ କର୍ମାଙ୍ଗୁଳରେ ଭଗ୍ନ ନେତ୍ର ତାଙ୍କ କର୍ମାଙ୍ଗୁଳର ଗନ୍ଧାଳ ପରାମର୍ଶ ପାଇଁ ଦୁଇ ଲେଖକ ରକ୍ଷୁଥିବା ଭରଣେ କହିଥିଲେ । ଗୁଣିକାରେ ବୃଷି, ଭଦ୍ରକ ବୃଷି, ମଧ୍ୟ, ପଶୁବଳୀର ଦିଗନ୍ତ ସମେତ ଶତସଂଖ୍ୟ ଗନ୍ଧା, ସହାସନାଳ ଗନ୍ଧା, ମହିଳା, ଦୁଶକସଥା ଇତ୍ୟଦି ଥିଲେ । ସହ ବୈଦ୍ୟସିଳ କର୍ମାଙ୍ଗୁଳର ମନେଶାଳର ଉତ୍ତର, ତପସ୍ବ କୁମାର ଗୋବିନ୍ଦ, ଅମ୍ବୁ ମାନ୍ୟ, ଶ୍ରୀମାନ୍ନାମ କର୍ମାଙ୍ଗୁଳ ଦିଆରଶନ ନାୟକ, ନାଳକଶ୍ୟ ଗରିଳ, ଶିବଶାଳର ପୁତ୍ର, ଚପଳ କୁମାର ଯେଠା, ଚିତ୍ରଦ୍ଵା ଯେନା, ବିଧ୍ୟାର ଯେନା, ଉତ୍ତୁରଶନ କେନା, ମନଶିଳା ଯେନା, ପ୍ରାୟଶା ପ୍ରାୟଶା ଯେନା, ଦୁର୍ଗଶା ଯେ ପ୍ରାୟଶା ସହସଂଖ୍ୟ କହିଥିଲେ ।

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