

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

1. Name of the Institute: ICAR-CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY

2. Specific Details of ITMU:

Officer In-charge (Member Secretary)	:	Dr H. Ravisankar
Contact Details of In-charge (E-mail ID & Cell Number)	:	Email: hravi.sankar@icar.gov.in Mobile: 9849418571
Meeting (s) organized by ITMU (if any)	:	Meetings organized: 4 1. World Intellectual Property Day was organized on 26th April' 2023 2. Institute Technology Committee Meeting held on 08.05.2023 3. An awareness meeting was organized on 27.09.2023 on 'Entrepreneurship Opportunities in Coastal Areas of Andhra Pradesh' 4. An interface meet with 'Producer Organization Promoting Institutions' was organized on 09.10.2023 in collaboration with a-Idea, ICAR-NAARM.
Attach the Copy of ITMU Meeting Proceedings (if any) (Attach the scanned copy of proceedings)	:	Attached - Annexure-I

3. Contractual Staff:

- Number of person (in position): One SRF: S. Prasanth Verma, SRF
- Specific work done (Attach month wise separate sheet): Attached-Annexure-II

4. Management of IP portfolio

IPRs	Name of Institute	Application/Registration No.	Name of Innovation/Technology/ Product/ Variety	Date of Filing/Registration	Application Granted/Registered**
Patent	--	--	--	--	--
Trademarks	--	--	--	--	--
Copyrights Granted-2	ICAR-CTRI	15586/2022-CO/SW	ICAR-CTRI Digital Library: An e-resource Image gallery	20/07/2022	SW-16833/2023 (12/07/2023)
		19611/2022-CO/SW	ICAR-CTRI Tobacco seed portal	17/09/2022	SW-16098/2023 (20/03/2023)
Filed-1		18814/2023-CO/SW	Mobile App: CTRI-Non-FCV-Tobacco	30/06/2023	--
Plant Variety		BSR.1 (Yasini)	Chewing Tobacco variety released by Tobacco Variety Release Committee on 10.05.2023 for cultivation in Chewing tobacco growing areas of Tamil Nadu.		

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

		DJ-1	• A high yielding (1600 kg/ha) <i>Jati</i> tobacco variety released for irrigated coastal belts of West Bengal in Tobacco Variety Release Committee meeting of West Bengal held on 14.06.2023 at ICAR-CTRI RS, Dinhata
		FCR-15	• Two high yielding FCV tobacco varieties viz., FCR-15 (CTRI Shresta) (resistant to TMV, 2400 kg/ha) and FCJ-11 (CTRI Naveena) (3300kg/ ha) and one high yielding burley tobacco variety YB-22 (Vijetha) (2900 kg/ha) were released by State Variety Release Committee (SVRC) on 19.07.2023 for FCV & Burley tobacco cultivated areas of Andhra Pradesh.
		FCJ-11	
		YB-22	

**Please mention granted application / registration no (e.g .PatentNo.; Trademark / Design / Plant Variety registration no.)

5. Commercialization of Technologies:

S.No.	Name of Institute	Name of Technology/ Know-How	IP Protection (Yes / No)*	Name of Contracting Party	Mode of Partnership*	Date of Licensing	Revenue Earned (₹)
1	ICAR-CTRI	Tobacco Bale Pressing Tool	Yes	M/s RJ Techno quips, Mysore	LICENSE AGREEMENT	13-06-2023	2,18,250/- + GST
2		Handheld Battery-Operated Topping Tool	No	---			
3		Poly tray Medium Pressing Tool	No				
4		Seed supply to farmers	No	ICAR-CTRI	--	--	18000000
		Supply of Marigold seedlings		ICAR-CTRI			1056875
5		Students exchange programme	No	Adikavi Nannaya University	--	--	48880
6.		Chemical analysis		Tobacco Board, Guntur, M/s GPI Ltd., Nupur International Pvt. Ltd, Guntur, M/s. Abishek Sarawagi	----	--	590478

*If yes, please mention Patent Application No./Trademarks Registration No./PPV & FRA Registration No.

**Note: (Mode of Partnership: eg. MoU / MOA / Licensing/ Know-How etc.)

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

6. Professional Services

S.No.	Name of Institute	Name of Technology/ Know-How/ Service Provided	IP Protection (Yes/ No)*	Name of Contracting Party	Mode of Partnership** Consultancy/ Contract Service & Research)	Date of MoU/ MoA Signing	Revenue Earned (₹ in lakhs)
1	ICAR-CTRI	Development and Evaluation of Customised Fertilisers for FCV Tobacco Grown under Irrigated and Rainfed Conditions	No	Fertis India Ltd., Hyderabad	Contract Research	--	635017
2	ICAR-CTRI	Evaluation of Boron fortified Potassium Scheelite for FCV tobacco grown in Karnataka and Andhra Pradesh.		Gujarat Boron Derivatives, Baroda	Contract Research		592583
3	ICAR-CTRI	Development of Protocols and Comprehensive Analysis of Cost of Cultivation of FCV Tobacco in Different Soil Regions of Andhra Pradesh		Tobacco Board, Guntur	Contract Research		845000
4	ICAR-CTRI	Evaluation of Bio-Consortia for nutrient supplementation, nematode/ disease control for enhancing productivity and quality of FCV Tobacco in KLS region.		Tobacco Board, Guntur	Contract Research		456000
5.	ICAR-CTRI	Evaluation of Sulfentrazone 39.6% SC and Sulfentrazone 28% + Clomazone 30% WP herbicides for		FMC India Pvt. Ltd	Contract Research		1276758

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

		weed control in tobacco under Northern Light Soils (NLS) and Karnataka Light Soil (KLS) FCV tobacco growing region					
6.	ICAR-CTRI	Evaluation of “Nano Biotech Capsules” for their effect on flue-cured tobacco yield, quality and nutrient use efficiency grown in NLS and KLS of Andhra Pradesh and Karnataka”		M/s. Krishan Agro Bio Products PVT. Ltd., Hyderabad	Contract Research		624976
7.	ICAR-CTRI	Assess the impact of crop development initiatives of FCV tobacco production in the NLS region of Andhra Pradesh		M/s. ITC Ltd., Guntur	Consultancy		315975
8.	ICAR-CTRI	Leaf sample analysis and IPM components		Tobacco Board, Guntur	Contract Service		604769
9.	ICAR-CTRI	Sustainable Burley tobacco production in Vinukonda area of Guntur Dist. AP		M/s. GPI, Guntur	Consultancy		270000
10.	ICAR-CTRI	Development and evaluation of burley hybrids for export promotion		AOL, GUNTUR	Research		1250000
11.	ICAR-CTRI	Synthesis and evaluation of specialty chemicals tailored for diverse uses in tobacco		MR BIOCHEM	Consultancy	15.09.2023	1500000

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

		cultivation in PPP mode					
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7. Outreach Activities

S.No .	Name of Institute	Programme organized for Technology Commercialization / Transfer	No. of Participants	Venue of event	Remarks
1	ICAR-CTRI	An interface meet with 'Producer Organization Promoting Institutions' on 'Transformative Interventions in Value Chain and Business Development of Farmer Producer Organizations (FPO)'	55	ICAR-CTRI	
2	ICAR-CTRI	'Entrepreneurship Opportunities in Coastal Areas of Andhra Pradesh'	140	ICAR-CTRI	
3	ICAR-CTRI	World Intellectual Property Day was celebrated with the theme "Women and IP: Accelerating Innovation and Creativity"	110	ICAR-CTRI	
		World Environment Day' with the theme of 'Solutions to Plastic Pollution' on 05.06.2023	122	ICAR-CTRI	
		Brainstorming Session on 'Current status and future prospectus on value addition of chilli & turmeric' was held on 06.06.2023	92	ICAR-CTRI	
		An interactive meeting with the trade on 'Convergence of trade and CTRI for accelerated gain for tobacco exports' was conducted on 28 th January, 2023	45	ICAR-CTRI	
		International Day of Yoga (IDY)	154	ICAR-CTRI	
4	ICAR-CTRI & KVK-KALAVACHARLA	KisanDiwas	150	ICAR-CTRI,	Interaction with farmers and farm women on improved production technologies in agriculture & allied sectors. In this connection a "KisanGhosi" on natural farming was organized.
5	ICAR-CTRI	Workshop on Good Agricultural Practices of FCV tobacco	100	ICAR-CTRI RS, JEELUGUMILLI	
6	ICAR-CTRI	International Women's Day	120	ICAR-CTRI	

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

7	ICAR-CTRI	Field Friends Programmes	500	ICAR-CTRI RS, Kandukur	Advised good agricultural practices to farmers by visiting tobacco fields
			240	ICAR-CTRI RS, Hunsur	Advised suitable plant nutrition and Plant protection measures to the growers
			270	ICAR-CTRI RS, Hunsur	To assess the extent of damage, crop losses etc. due to heavy rains on 18th and 19th March, 2023 and also to suggest remedial measures
Any other initiative taken for commercialization					

**Note: Name of Industry Meet/Interface Meet/Business Meet/B2B Meeting etc.*

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

8. Capacity Building in IP Management

8.1 Training/workshop/Seminar etc.) Attended

S.No.	Name of Programme (Training/workshop/Seminar etc.) attended	Organized By (Name of Institute)	Date of Programme	Participant (Name)
1	Online short course on 'E-Governance Application in ICAR'	ICAR-IASRI, New Delhi	6-10 February, 2023,	Smt. N. Mahaeswari, Smt. J. Suseela Devi Ms. Neetha Joy Cheeran
2	Training programme on ' Food processing, packaging and value addition of agricultural and livestock	ICAR, CIPHET, Ludhiana	13-24 Feb., 2023	Sri G. Srinivasa Rao
3.	Online training programme on 'Making Secure & Resilient Workplace at ICAR/ICAR Institute	ICAR-CPCRI, Shimla	22-24 February, 2023	Sri K. Gangadhara Rao, LDC
4.	Training programme on 'Farm Management'	IIFSR, Modipuram	22-28 Feb., 2023	Sri M. Venkatesh Sri A. Suresh Babu Sri K. Sudhakar
5	RPAS Pilot course (ground and practical flying & Simulator) training	Pune	17-19 th April, 2023	Sri K. Shravan Kumar Sri T. Ramesh
6	Review-cum-Workshop of ITMU of Crop Science Division	Virtual	22-23, June, 2023	Dr H Ravisankar E. Prashanth Varma

8.2 Training/workshop/Seminar etc.) Organized

S. No.	Name of Institute	Name of Programme (Training/workshop/ Seminar etc.) Organized	Date of Programme	Participants (No) (Male and Female)	Type of Participants (Scientists/ Scholars/Farmers/ Business People etc.)
1	ICAR-CTRI in association with Tobacco Board, Mysore	Training programme on 'FCV Tobacco nursery management' at Ayichanahally and Mallali villages of Hunsur taluk	30.03.2023 & 13.04.2023	146: 102(M)&42(F)	Farmers (FCV tobacco growers)
2.	ICAR-CTRI in	Two training programmes on 'FCV Tobacco nursery	26.04.2023 & 28.04.2023	178: 143(M)&35(F)	Tobacco farmers

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

	association with Tobacco Board, Mysore	Sannagowdanakopal, Chikahonsage, Hegandur and Aralahalli villages in KLS			
3	ICAR-CTRI in association with Tobacco Board, Periyapatna	Workshop on Good Agricultural Practices for FCV tobacco at Periyapatna	02.06.2023	74: 35(M)&39(F)	FCV tobacco growers of Karnataka
4.	ICAR-CTRI in association with Tobacco Board, Mysore	Workshop on Good Agricultural Practices for FCV tobacco at Chilkunda.	16.05.2023	82: 42(M)&40(F)	FCV tobacco growers of Karnataka
5.	ICAR-CTRI in association with Tobacco Board, Mysore	Training programme on FCV Tobacco topping, Desuckering and NTRM at Pashupathi and Gumanahally village of Hunsur taluk	08.06.2023	66: 32(M)&34(F)	FCV tobacco growers of Karnataka
7	ICAR-CTRI	Training and awareness programme on use of Drones in agriculture	09.03.2023 to 11.03.2023 (3 days)	100: 77(M)&23(F)	Farmers
8	ICAR-CTRI RS HUNSUR	Training programme on Good Agricultural Practices in FCV Tobacco	16.12.2022 to 22.12.2022	100: 64(M)&36(F)	Tribal tobacco growers (ST farmers)
9	ICAR-CTRI	Awareness programme on vermincompost & distribution of vermi beds	14.02.2023	50: 28(M)&22(F)	Tribal tobacco growers (ST farmers)
10	ICAR-CTRI	Awareness programme on “Water use efficient technologies for improving crop productivity in commercial crops	27.04.2023	100: 69(M)&31(F)	SC farmers
11	ICAR-CTRI	Training programme on “Crop intensification and diversification for enhancing crop productivity and profitability in tobacco growing areas	27.04.2023	150: 80(M)&70(F)	SC farmers
12	ICAR-CTRI RS, HUNSUR	Training programme on Turmeric Production Technology	31.03.2023	60: 37(M)&33(F)	SC farmers
13	ICAR-CTRI	Awareness, training & demonstration programme on	08.03.2023	120: Female	SC women

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

		‘Solar dried Food Processing’ and ‘Millet based nutritional recipes’			
12	ICAR-CTRI RS, DINHATA	Awareness programme on “development of Kitchen garden	10.03.2023	100: 41(M)&59(F)	SC farmers
13	ICAR-CTRI	Awareness programme on ‘Integrated Pest Management’	28.02.2023	135: 76(M)&59(F)	SC farmers
14	ICAR-CTRI	Training cum awareness programmes on “Non chemical pest management for eco-friendly and sustainable agriculture” and “Post harvest produce management in agriculture	17.02.2023	124: 74(M)&50(W)	SC farmers
15	CTRI RS, Dinahata	Awareness programme on “best management practices on turmeric cultivation	24.01.2023	200: 125(M)&75(F)	SC farmers
16	CTRI RS, Veda sandur	A training on "Post harvest management of commercial crops	13.01.2023	130: 65(M)&65(F)	SC farmers
17	ICAR-CTRI	Organised a seminar on "Research Strategy for Understanding Host Nematode Interactions - Field to Bench" by Dr. Uma Rao, Associate Director of Research, SRM Institute of Science and Technology, Tamil Nadu	23.01.2023	90: 56(M)&34(F)	Scientists & Technical Staff
18	ICAR-CTRI	A seminar was organised Technology Commercialization in Agriculture” by Dr. Purushotham Rudraraju, Manager-Agribusiness, Agribusiness and Innovation Platform (AIP), ICRISAT, Hyderabad	09.05.2023	90: 56(M)&34(F)	Scientists & Technical Staff
19	ICAR-CTRI	Training programme entitled “Data collection in field, lab, analysis and report preparation”	23.03.2023	20: 8(M)&12(F)	Technical staff
20	ICAR-	Four days online training on	15-18 May,	86:	Scientists &

DARE/ICAR Annual Report – 2023-2024
National Agriculture Innovation Fund (NAIF)
Component-I(Innovation Fund)
(From 16th October, 2022 to 15th October, 2023)

CTRI, in collaborati on with MANAG E, Hyderaba d	“Good Agricultural Practices, Value Addition and Marketing of Ashwagandha – Potential Commercial Medicinal Plant” during.	2023	57(M)&29(F)	Professors
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9. Constraints/Suggestions/Feedback if any:-

10. Specific intervention required from IP&TM Unit:-

11. Success Story with good quality photographs: Tobacco Seed Portal – Annexure-III

12. Any other activity (which not covered in above columns)

Photographs (Send in soft)

Note: *Please send the information in MS Word or MS Excel. Please don't send Scan Copy*