INDIAN COUNCIL OF AGRICULTURAL RESEARCH
Agricultural Technology Application Research Institute, Zone-VII
Umiam, Meghalaya
Format for Annual Action Plan Formulation of KVKs 2025

Name of the KVK/District: KVK, Thoubal

Present Staff Position in KVK, Thoubal

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ST)	Designation	Discipline
1.	Dr. S. Zeshmarani	F	Gen	Senior Scientist & Head	Animal Science
2.	Dr.Kh. Premlata Devi	F	SC	SMS	Horticulture
3.	R.K. Lembisana Devi	F	Gen	SMS	Home Science
4.	Sribidya Waikhom	F	Gen	SMS	Fisheries
5.	Dr. Chuwang Hijam	M	Gen	SMS	Plant Breeding and Genetics
6.	Longjam Boris Singh	M	Gen	SMS	Plant Protection
7.	Dr. W. Jiten Singh	M	Gen	Farm Manager	Agronomy
8.	L. Babita Devi	F	Gen	Program Assistant	Computer
9.	O.Shilhenba Singh	M	Gen	Assistant	Commerce
10.	S.Prabin Singh	M	Gen	Programme Assistant	Agriculture Extension
11.	M. Geeta Devi	F	Gen	Steno cum Computer Operator	
12.	M. Hemanta Singh	M	Gen	Driver cum Mechanic	

13.	Th.Tiken Singh	M	Gen	Driver cum Mechanic	
14.	S. Dhabali Singh	M	Gen	Peon cum Chowkidar	
15.	Mangminthang Zou	M	ST	Peon cum chowkidar	
Total : 15					

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2025

Name of the concerned Subject Matter Specialist : Dr. Chuwang Hijam
Mobile No: 9774467922 **E-mail address:** chuwang1986april2@gmail.com

Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess /Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						Grand Total
									SC/ST			General			
									M	F	Total	M	F	Total	
On farm testing	Varietal Evaluation	Assessment of Indian Mustard T_1 : (PM-32) Maturity Duration: 142 DAS Potential Yield: 27.10 Q/Ha T_2 : DRMR 150-35 Maturity Duration: 140 DAS Potential Yield: 15 Q/Ha T_0 : NRCHB 101 Maturity Duration: 135 DAS Potential Yield: 14.91 Q/Ha Seed rate: 12-14kg/ha. Seeds mixed with sand (3to3.5 kg seed+ 2 kg sand for 0.25 ha area) and broadcast. Apply fertilizer dose of 88 kg urea+130 kg SSP+ 33 kg MOP. Total quantity of SSP (130kg) + half of MOP (16kg) should be applied at sowing. First half urea	IARI, New Delhi, 2020	Assessment	1.25 ha	5	Nongpok Sekmai, Lourembam, Salungpham, Thoubal Wangmataba and Khangabok	1st Fortnight of Nov 2025 to March,26 142 days	1	1	2	2	1	3	5

		(44kg) should be applied when 1-2 true leaves emerged and the remaining 44 kg with remaining 17 kg MOP should be applied at 25-30 days after first application Recommended practices for plant protection to be followed														
	Varietal Evaluation	**Performance of Paddy Varieties** **T_1 (CAU R5)** Duration- 125 - 130 days Potential yield- 60-70 Q/ha **T_2 RC Maniphou 16** Duration- 130-135 days Potential yield- 73 Q/ha Resistant to leaf & neck blast disease **T_0 RC Maniphou 13** Duration- 125 - 130 days Potential yield- 76 Q/ha Resistant to leaf & neck blast disease	CAU, Imphal 2024 ICAR-RC, Manipur Centre, 2022 ICAR-RC, Manipur Centre, 2016	Assessment	1.25 ha	5	Lourembam, Thoubal Khunou Kakching, Ukhongsang and Ingouorok	Last week of June to 1st week of Nov,25 130 days	1	1	2	2	1	3	5

		➢ Seed rate (Direct seeded): 60 Kg /ha ➢ Seed rate (Transplanted): 50 kg/ha ➢ Seed treatment: Carbendazim @ 2gm/kg seed ➢ Plant Geometry (Row X Plant): 20 cm X 10 cm ➢ Fertilizers recommendations: 60:40:40 Kg/ha (N:P:K); ½ N, full P & 2/3 K as basal; ¼ N at 25-30 DAT & ¼ N + 1/3 K at P.I stage ➢ Transplanting: 2 seedlings per hill ➢ Transplanting age: 21-25 DAS													

Mandated activities Front line Demonstration	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Demon (No.)	Area (in Ha)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
	Seed Production	**Title:** Popularization of Rice Var. RC Maniphou-16 T_1 : RC Maniphou-16 Maturity Duration: 139 DAS Potential Yield: 7.3 Q/Ha	ICAR-NEH, RC Manipur Center, 2022	10	2.5	Nongpok Sekmai, Lourembam, Wangjing, Thoubal and Khangabok	Last week of June to 1st fortnight of Nov,25 135 to 139 days	2	1	3	5	2	7	10

		T_0 : RC Maniphou-13 Maturity Duration: 135 DAS Potential Yield: 7.0 Q/Ha Seed rate: 60 Kg /ha Seed treatment: Carbendazim @ 4gm/kg seed Plant Geometry (Row X Plant): 20 cm X 15 cm Fertilizers recommendations: 60:40:30 Kg/ha (N:P:K); ½ N, full P & 2/3 K as basal; ¼ N at 25-30 DAT & ¼ N + 1/3 K at P.I stage Transplanting: 2 seedlings per hill												
	Crop production	**Title**: Popularization of Sweet corn Var. Madhuri T_1 : Madhuri Maturity Duration: 85 DAS for first harvest Potential Yield: 83.3 Qntl. Green cobs/Ha T_0 : Megha Maize 2 Maturity Duration: 82 DAS for first harvest Potential Yield: 75 Q Green cobs/Ha Seed treatment - Captan	ANGRAU,Hyderabad,1990	10	2.5	Khangabok, Kakching, Wangjing, Khongjom, Hijam Khunou, Langathel , Kiyam Siphai and Wabagai	1st week of June to September, 2025 85 Days	2	1	3	5	2	7	10

		+ Carbendazim (1:1) 2.0 g/kg of seed Sowing period: May-June (in mid-hills) Seed rate- 12 kg/ha Spacing (Line sowing), Row to row distance: 60 cm, plant to plant: 25 cm Fertilizer doses & time of fertilizer application -90:60:40 kg N:P:K/ha; Basal: 1/3 N, P & K; 1/3 N: at knee height, 1/3 N: at tasseling Weed control- Pre emergence (2 DAS): Atrazine @ 1.0 kg a.i./ha / Alachlor @ 2.0 kg a.i./ ha + One HW weeding at 30–35 DAS followed by earthing up at knee high stage												

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Cultivation practices and importance of quality seeds as critical input of Kharif Oilseeds (Groundnut & Soybean) Thematic area: Seed Production	1	April,25	1	OFF	5	5	10	3	2	5	15	

		Seed Production of Kharif rice Thematic area: Seed production	1	June,25	1	OFF	3	2	5	7	3	10	15	
		Seed production of oilseed (Rapeseed-Mustard): Thematic area: Seed Production	1	Oct, 25	1	ON	3	2	5	7	3	10	15	
		Post harvest management for pulse and tuber crops Thematic area: Post harvest management	1	March, 25	1	OFF	3	2	5	7	3	10	15	
	Rural Youth	Cultivation and seed production of major and minor millets Thematic area: Crop production	1	May,25	1	OFF	3	2	5	7	3	10	15	
		Conservation Agriculture practices based on cropping system of rice followed by pulse Thematic area: Resource Conservation	1	Nov, 25	1	ON				10	5	15	15	
	Extension Personnel	Importance of IPR and PPVFRA Thematic area: Resource Conservation	1	July,25	1	ON	3	2	5	7	3	10	15	
	Civil Society	Awareness program on seed legislation of India	1	Jan, 26	1	ON				10	5	15	15	
	NGO (including school drop outs)	Basic scientific agricultural practices (calculation of seed rate, fertilizer dose, pesticide	1	Dec,25	1	ON	3	2	5	7	3	10	15	

		dose) Thematic area: Crop Production												
	Others													
Vocational training programmes	Farmer and Farm women													
	Rural Youth	Strengthening Seed production through involvement of FPO for Oilseed and pulses Thematic area: Seed production	3	August, 25	5	OFF	3	2	5	7	3	10	15	
	Extension Personnel	Basics principle for seed production including hands on practices for determination of germination %, Purity etc Thematic area: Seed production	3	Sep,25	5	ON	3	2	5	7	3	10	15	
	Civil Society													
	NGO(including school drop outs)													
	Others													
Sponsored Training Programs	Farmer and Farm women	Importance of Plant Genetic Resources and its conservation techniques Thematic area: Natural Resource management		Feb,26	3	ON	2	5	7	3	10	15		
	Rural Youth													
	Extension Personnel													
	Civil Society													

	NGO(including school drop outs)													
	Others													

Discipline: **Plant Protection**

Name of the concerned Subject Matter Specialist: Longjam Boris Singh **Mobile No. 8974852548**

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	Integrated pests management	**Management of fall army worm (*Spodoptera frugiperda*) in ma ize Var. Megha Maize-2** **T_1(Technology)** ● Application of *Metarhizium anisopliae* talc formulation ($1x10^8$ cfu/g) @ 5g/litre whorl application at 25 days after sowing ● 2^{nd} and 3^{rd} spray applied at 10days interval T2 • **Intercropping of maize with blackgram** • **Maize spacing :70x20 cm (20kg/ha)** • **Spacing of blackgram- 35x10cm**	ICAR Research Complex for NEH Region, Umiam Meghalaya, 2019 **ICAR-NBAIM ,Bengaluru 2020**	Assesement	1.5 ha	5	Wangmataba, Heirok, Lourembam, Ukhongsang and Ingourok	July 2025-November, 2025	1		1	3	1	4	5

		(10kg/ha) • **Sown in July (Maize & Blackgram)** **T_0(Farmers practice)** ● Application of neem oil 0.3 % @ 5 ml/lt. one week after sowing as oviposition deterrent	**Dept. of Agriculture,Govt. Of Manipur**												
	Integrated Pests Management (Common OFT for all the valley districts of Manipur)	**Organic management of cucumber mosaic virus (CMV) vectors (Aphids/thrips/Whitefly) in King Chilli (Cucumber Mosaic Virus)** **T_1(Growing maize in borer rows od the plots 2—25 days prior to transplanting of king Chilli.** **Mulching of the inter-row spaces with paddy straw/Silver plastic mulch** **T_2** Application of **Spraying of Beauvaria bassiana @2ml/L at 15 days**	**ICAR-RC Manipur Center, 2019** **CAU, 2022**	Assesement	1.5	5	Wangjing, Kakching Ingourok, Hijam Khunou	December 2025 - March, 2026	-	-	-	3	2	5	5

		interval starting from 20 days after transplanting (4 sprays) **Application of Spinosad 45SC @45 g a.i./ha starting from 20 days after transplanting (4 sprays)** **Installation of yellow sticky traps@25 traps/ha at the time of transplanting** **T_0(Farmers practice) Farmers practice (Spinosad 45 % SC @ 0.32ml/lit. of water)**													

Mandate Activities	**Thematic Area**	**Technology/Crop/Cropping system**	**Source and Year of release**	**Demon (No.)**	**Area (in Ha)**	**Location**	**Period and Duration**	**Number of beneficiaries**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front line demonstration	Integrated Disease Management	**Management of Stem rot disease in rice Technology** ● Field sanitation (Summer ploughing removal of fungal sclerotia). ● Balance application of	ICAR Research Complex for NEH-Sikkim Center, 2016	10	2.5	Khangabok, Kakching, Wangjing, Khongjom, Papal	July 2025 – December 2025	2	1	3	7	2	9	12

		recommended dose of fertilizer(N:P:K 60:40:40 Kg/Ha). **Farmer practice** • Spraying of Propiconazole 25 % EC @2ml/lt at 10, 20 days after incidence (500-750ml/ha).												
	Integrated Pests Management	**Management of pod borer complex in field pea (1st Year)** ● Spraying of chlorantraniliprole 18.5SC @ 0.3ml/litre ● Application of treatment with a spray volume of 450 litres per ha at pest incidence **Farmer practice** ● Application of Lambda Cyhalothrin 5 EC @1ml/litre ● Treatments given twice at pest incidence during the crop growth period	**AICRP on MULLaRP, Shillongani,Nagaon -2, 2021**	10	2.5	Khangabok. Kakching, Wangjing, Khongjom, Hijam Khunou, Langathel, Kiyam Siphai, Wabagai	December 2025-March 2026	6	4	10	9	3	12	22

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		

On and Off campus training programmes	Farmer and Farm women	Biological control agents for pest and disease management. Management of major pests in maize	1 1	May June	3 3	Off Off	12 10	3 2	15 12	15 10	0 8	15 18	30 30	
		Advances in the management of pests in Rice Management of major disease in Onion	1 1	August December	3 3	Off Off	12 10	3 5	15 5	15 7	0 8	15 15	30 30	
	Rural Youth	Application of 4 pillars of Natural Farming Cultivation Practice of Mushroom	1 1	November April, 2025	3 3	Off Off	11 12	4 3	15 15	14 11	1 4	15 15	30 30	
	Extension Personnel	Recent trends in integrated Pest management for crop improvement	1	February, 2026	3	On	10	5	15	10	5	15	30	
	Civil Society	Integrated disease management modules for rice	1	January, 2026	3	Off	10	5	15	10	5	15	30	
	NGO (including school drop outs)	Integrated disease management modules for rice	1	July	3	On	8	7	15	9	6	15	30	
Sponsored training programmes	Farmer and Farm women	Skill Trg. prog. on sericulture	1	October	3	On	5	5	10	6	4	10	20	
	Rural Youth	Cultivation of year round mushroom	1	March, 2026	3	On	2	8	10	12	8	20	30	
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)	Improved techniques of vermicomposting		September	3	On	2	8	10	12	8	20	30	
	Others													

Discipline: Horticulture

Name of the concerned Subject Matter Specialist:.Dr. Khwairakpam Premlata Devi

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						Grand Total
									SC/ST			General			
									M	F	Total	M	F	Total	
On farm testing	Varietal Evaluation	**Performance of watermelon variety Arka Shyama** **T1- Arka Shyama** **Potential yield – 249q/ha** **Duration – 75 -95 days** **T2 – Arka Muthu** **Potential Yield – 500q/ha** **Duration – 85- 95 days** **T_0 – Panjab Mithas** **Potential Yield – 180q/ha** **Duration – 90-100 days** ➢ Seed rate: 3 kg/ha ➢ Spacing: 120 x 60 cm ➢ Sowing time : February to March ➢ Transplanting : 25 - 30	IIHR-ICAR, Bangaluru, 2020 **PAU, 2022**	A	0.5	5	Kakching, Langathel, Khangabok & Yairipok	April, to July, 2025	-	1	1	3	1	4	5

		DAS ➢ Seed treatment: *Trichoderma viride@* 4g/kg of seed. ➢ Nutrient requirement: NPK: NPK: 100:50:50kg/ha, all NPK as basal dose.														
	Varietal Evaluation	**Performance of Okra var. Arka Nikita** **T1- Arka Nikita** **Potential yield – 210q/ha** **Duration – 125 -130 days** **T_2 – Kashi Chaman** **Potential Yield – 160q/ha** **Duration – 100-110 days** **T_0 – Arka Anamika** **Potential Yield – 170q/ha** **Duration – 130-135 days** ➢ **Seed rate: 10 kg/ha** ➢ **Spacing: 60 x 45 cm** ➢ **Sowing time : April** ➢ **Seed treatment: *Trichoderma viride@* 4g/kg of seed.** ➢ **Nutrient requirement: NPK:70:50:55kg/ha**	**ICAR-IIHR, Bengaluru, 2024** **ICAR-IIVR, Varanasi, 2019** **ICAR-IIHR, Bengaluru, 2003**	A	0.5		Keirak, Khongjom, Khangabok, yairipok	June-October, 2025	-	-	-	5	-	5	5

		➢ **½ of N + full dose of P&K is applied as basal. Remaining N is applied in two equal splits. 1 after 4 weeks of sowing 2. at flowering & fruiting stage**														

Mandated activities	**Thematic Area**	**Technology/Crop/Cropping system**	**Source and Year of release**	**Demon (No.)**	**Area (in Ha)**	**Location**	**Period and Duration**	**Number of beneficiaries**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front Line Demonstration	Vegetable production	Popularization of Garden Pea variety- Kashi Ageti **T1- Kashi Ageti** **Potential yield – 120 – 125 q/ha** **(IIVR-2025)** **Duration – 95 days** **Tolerant – leaf minor, pod borer** **Resistance – shattering** **Local Check** **Arkel** **Potential yield – 100 -110 q/ha** **(IIHR -2016)** **Duration – 90days** **Resistant to powdery mildew and rust**	**ICAR-IIVR, Varanasi, 2015**	8	0.75	Salungpham, Kakching, Charangpat, Khangabok Loureamba m.	Oct. 2025 to Jan. 2026	1	-	1	5	2	7	8

		➢ Seed rate - 80kg/ha ➢ Spacing- 30 x 15 cm ➢ Planting time – September- October ➢ Seed treatment - Trichodermaviride @ 4g/kg of seed. ➢ Nutrient requirement: NPK: 20: 60: 40kg/ha. As basal dose.												
	Vegetable production	**Popularization of French bean variety Arka Suvidha** ➢ Seed rate: 60kg/ha ➢ Spacing: 45 x 15 cm ➢ Sowing time : September ➢ Seed treatment: *Trichoderma viride* 4g/kg of seed. ➢ Nutrient requirement: NPK: 30: 40: 30kg/ha as basal dose. ➢ PY- 190q/ha, Duration -70-75 days Local Check Variety – (Anupama)	IIHR, ICAR, Bangaluru, 2019	8	0.75	Heirok, Wangjing, Khangabok Khekman Nongpok Sekmai.	Oct 2025 to Jan. 2026	-	-	-	7	1	8	8

Mandated activities	**Target group**	**Title of the training Programme and No. of**	**No. of training**	**Period of the**	**Duration**	**On/Off campu**	**Number of beneficiaries**			**Remarks**
							SC/ST	**General**	**Gran**	

		Courses in bracket	prog	year	(in days)	s	M	F	Total	M	F	Total	d Total	
On and Off campus training programmes	Farmer and Farm women	Package of practices for ginger & turmeric (2)	1	April 2026	3	Off	1	4	5	5	5	15	15	
		Production technology of bulb crops (2)	1	October 2025	3	Off	-	-	-	12	3	15	15	
		Nursery management of Rabi vegetable crops (3)	1	August 2025	3	On	3	-	3	8	4	12	15	
		Package of practices for cucurbitaceous crops. (2)	1	Jan. 2026	3	Off	-	-	-	11	4	15	15	
	Rural Youth	Training anf pruning of fruit crops	1	Dec.	3	Off	3	2	5	8	2	10	15	
		Nursery management & propagation technique of Fruit crops (2)	1	March 2026	3	Off	-	-	-	12	3	15	15	
		Rejuvenation of Orchard(1)	1	February 2026	3	Off	-	-	-	10	5	15	15	
		Exotic vegetable production (3)	1	June 2025	3	off	2	-	2	10	3	13	15	
	Extension Personnel	Micro irrigation and mulching in Fruit crops (3)	1	Oct. 2025	3	On		-	-	8	7	15	15	
	Civil Society	1. Offseason vegetable production under polyhouse (2)	1	Sept. 2025	3	Off	-	-	-	9	6	15	15	
		2. Organic vegetable production	1	May 2025	3	Off	2	-	2	10	3	13	15	

	NGO (including school drop outs)	Protected Cultivation of vegetable production (2)	1	July 2025	3	Off	3	-	3	10	2	12	15	
	Others													
Sponsored training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel	Organic Production technology and its management for spices crop (3)	1	August 2025	3		2	-	2	10	3	13	15	MOMA, Dept. of Hort. Soil Conservation, Manipur
	Civil Society													
	NGO(including school drop outs)													
	Others													

Discipline: Fisheries
Name of the concerned Subject Matter Specialist :.Sribidya Waikhom

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	Pond management	**Performance Assessment of Indian butter catfish Pabda (*Ompok bimaculatus*) With Indian major carps in polyculture system** **T_1 (IMC with Pabda)** • **Stocking density- 8000 fingerlings/ha** • **Stocking ratio- 4:3:1.5:1.5 (Catla:Rohu: Mrigal: Pabda)** • **Culture period – 6 months** • **Feeding – 3% body wt. twice daily** **T_0 (only IMC)** • **Stocking density- 8000 fingerlings/ha** • **Stocking ratio- 4:3:3 (Catla:Rohu: Mrigal** • **Culture period – 6 months** • **Feeding – 3% body wt. twice daily**.	**ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, 2018**	A	1.0	5	Wabagai, Khangabok, Ningombam, Waikhong	June - December, 2025	-	-	-	4	1	5	5

	IFS	**Assessment of Fish-Mushroom Farming Model : Waste into Wealth** **T_1 (Fish cum Mushroom)** • **Stocking ratio- Catla(2): Silver(1): Rohu(2) : Grass carp (2) :Mrigal(1.5) : Common carp(1.5)** • **Culture period – 6 months** • **Stocking density- 8000 fingerlings/ha + Mushroom cultivation (Oyster mushroom)** • **Feeding: RB:MOC(1:1) @2% bodyweight once daily** • **Mushroom shed- 20x15 sq.ft on the pond embankment** • **Required qty. of spent mushroom substrate: 25-30 bags/0.1 ha** • Monthly liming of pond @ 5-10 kg/0.1 ha (depending on water pH) **T_0 (only Fish culture)** • **Stocking density- 8000 fingerlings/ha** • **Stocking ratio- Catla(2): Silver(1):**	CoF (CAU, Imphal), Lembucherra, 2014	A		1.25	Khangabok, wangjing, Okram, Wabagai	June-Dec, 2025	-	-	-	3	2	5	5

		Rohu(2) : Grass carp (2) :Mrigal(1.5) : Common carp(1.5) • **Culture period – 6 months.**													

Mandated activities	**Thematic Area**	**Technology/Crop/Cropping system**	**Source and Year of release**	**Demon (No.)**	**Area (in Ha)**	**Location**	**Period and Duration**	**Number of beneficiaries**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Frontline Demonstration	Pond Management	**Popularization of Periphyton based fish farming** **Stocking density –** 8000 fingerlings/ha. **Fish species –** (IMC)-Catla, Rohu, Mrigal (15:55:30) **Stocking time- July** **Culture period-** 6 months Feeding- RB : MOC (1:1) @ 2% bw once a day Substrate for periphyton- Fresh Bamboo pole (Split into 4) Spacing for bamboo pole – 3X3 ft Spreading of bamboo poles - 1/3 of pond surface	**ICAR – CIFA, Bhubaneswar, 2016**	10	1.0	Lilong, Khanabok, Chandrakhong,Tentha	May-Dec, 2025	1	-	1	9	-	9	10

		No. of bamboo required for 0.25 ha – 180 nos.													
	Pond Management	**Popularization of monoculture of air breathing fish (Local Climbing perch- *Anabas testudineus*) with Scientific management practices** • **Stocking density- 8500 fry per 0.1 ha** • **Species – *Anabas testudineus*** • **Culture period - 4 months** • **Feeding- RB : MOC (1:1) @ 3% bw twice a day** • **Pond Management: Monthly liming of pond @ 5-10 kg/0.1 ha (depending on water pH)**	**ICAR – CIFA, Bhubaneswar, 2016**	10	1.0	Hiyanglam, Wabagai, Tentha, Khangabok, Uyal	June-October, 2025	-	-	-	5	-	5	5

Mandated activities	**Target group**	**Title of the training Programme and No. of Courses in bracket**	**No. of training progs**	**Period of the year**	**Duration (in days)**	**On/Off campus**	**Number of beneficiaries**							**Remarks**
							SC/ST			**General**			**Grand Total**	
							M	**F**	**Total**	**M**	**F**	**Total**		
On and Off campus training	Farmer and Farm women	Pre and post stocking management of fish farming (3)	1	May, 2025	3	Off	4	-	4	11	-	11	15	

programmes		Breeding & and Seed Production of Climbing perch (2)	1	June, 2025	3	Off	-	-	-	13	2	15	15	
	Rural Youth	Carp fish breeding & hatchery operation (3)	2	April	3	On	5	-	5	10	-	10	15	
		Breeding of magur (2)	1	July	3	On	-	-	-	12	3	15	15	
		Fish Health Management (2)	1	Sep,2025	3	Off	-	-	-	10	5	15	15	
	Extension Personnel	Recent advances in Aquaculture (3)	1	Nov,2025	3	On	3	2	5	9	1	10	15	
	Civil Society													
	NGO (including school drop outs)	Fabrication of glass Aquarium & Ornamental fish rearing	1	Sept	3	On	-	-	-	15	-	15	15	
	Others													
Sponsored training programmes	Farmer and Farm women	Integrated Aquaculture	1	Aug,2025	3	On	-	-	-	12	3	15	15	
	Rural Youth	Fish processing and Preparation of value added fish products	1	Dec,2025	5	on	-	-	-	4	11	15	15	
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others													

Discipline: Home Science

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	Value Addition	**Assessment on preparation of Multi Millet peanut Chikki** ➢ Roast & coarsely crush the peanuts (1kg) with a mixer grinder ➢ Heat jaggery(1kg) with 1tsp water until it gives thick consistency. ➢ Boil the syrup until it shows hard crack consistency. ➢ Add millet(sorghum 200g .ragi 100g, bajara 100g) flour ,peanut, ghee(100g) to the syrup and mix it thoroughly. ➢ Grease a tray with little amount of ghee & spread the mixture. ➢ Roll it flat using a rolling	ICAR, IIMR, Hyderabad, 2018	A	-	5	Khangabok, Thoubali, Wangbal, Charangpat	June - Nov	-	1	1	-	4	4	5

		pin ➢ After cooling cut into square shape **Farmer Practice** **Preparation of Peanut chikki:-** • Roast & coarsely crush the peanuts (1kg) with a mixer grinder • Heat jaggery(1kg) with 1tsp water until it gives thick consistency. • Boil the syrup until it shows hard crack consistency. • Add, peanut, ghee(100g) to the syrup and mix it thoroughly. • Grease a tray with little amount of ghee & spread the mixture. • Roll it flat using a rolling pin • After cooling cut into square shapes													
	Value Addition	**Assessment on Degumming process of okra plant fiber** **T_1:**	**College of Community**	A	-	5	Khangabok, Wanging,	Nov - Jan	-	-	-	5	-	5	5

		▪ **S**hreading of leaves ▪ Bundle Stalk ▪ Stepped in water with for retting (15day) ▪ Single plants are taken & stripping (fiber extraction) ▪ Degumming process---- Bath ratio 1:10 (M:L)extracted fiber were treated with 2% sodium hydroxide at 95º celcius for 2hr . ▪ Rinsed with cold water, neutralised with 2% acetic acid. ▪ Rinsed again & dry. ▪ Bleaching-. Using alkaline hydrogen peroxide at 90^{O}Cfor 60 mins in closed vessel. T0: ▪ Shedding of leaves ▪ Bundle Stalk ▪ Stepped in plain water for retting (30 days) ▪ Single plants are taken & stripped (fiber extraction) ▪ Wash in clean water & dry**.**	**Science, AAU,Jorhat 2020**				Kakching, Charangpat, Sapam								

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Demon (No.)	Area (in Ha)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Value Addition Value Addition	**Popularization of multi millet cookies** ▪ Beat 50g butter & Sugar powder (30gm) till fluffy ▪ Add millet flour 100g (Ragi: Sorghum: Bajara @ 30:40:30) till soft dough ▪ Spread out dough on butter paper & roll it. ▪ Cut into shapes • Bake it for 15 min at 180°C in pre heated oven	ICAR, IIMR, Hyderbad 2018	10	1.25	Khangabok Thoubal, Kakching,	July-Nov	-	2	-		8	8	10
		Popularization of Extraction of Pineapple leaf fibre • **Extraction of pineapple leaf fiber** • **Manual method through water retting with Sathi retting Accrelator @ 0.5%/kg. and DAP @0.5%/kg was used for the extraction of the PLF.**	ICAR–National Institute of Natural Fiber Engineering and Technology , Kolkata, West Bengal, 2021	10	1.0	Khangabok YairipokKeirak,Thoubal,Kakching	July-Nov	-	4	4		6	6	10

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Extraction of pineapple leaf fiber	1	April,2025	3	Off	-	15	15	-	15	15	30	
		Preparation of Multi millet chikki	1	May, 2025	2	On	-	15	15	-	15	15	30	
		Yarn making process of pineapple leaf fiber & Okra fiber	1	June, 2025	1	On	-	15	15	-	-	-	15	
		Small scale income generating enterprise	1	July, 2025	2	Off	-	15	-	-	15	-	30	
		Extraction of Okra fiber & Degumming process	1		2	On	-	15	-	-	15	30	30	
		Preparation of multi millet cookies	1	August / Septemberr, 2025	1	Off	-	10	10	-	15	15	25	

				December,2025										
	Rural Youth	Natural Dyeing of fabrics	2	Jan, 2026	2	Off	-	-	-	-	30	30	30	
	Extension Personnel	Importance of Millet processing and value addition for nutritional security	1	Feb	1	On	-	-	-	-	15	15	15	
	Civil Society													
	NGO (including school drop outs)	Diversified products of Natural fibers	1	October,2025	1	Off	-	-	-	-	20	20	20	
	Others													
Sponsored training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others													

Discipline: Agricultural Extension

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	Soil Management	Title: **Assessment of Soil Health Card Users in Thoubal District of Manipur** **Methodology:** ➢ Sample of 120 farmers will be selected (60 farmers beneficiaries with SHC and 60 farmers beneficiaries without SHC) ➢ Data will be collected using structural interview schedule, Questionaries and field survey ➢ Sampling design: Stratified random sampling with equal allocation ➢ Data will be analysed through mean, frequency and	Acharya N G Ranga Agricultural University, Andhara Pradesh, 2022		Thoubal District (120 farmers)	(120 farmers)	Lourembam, Ingourok, Yairipok, Sikhong Sekmai, Tentha, Khangabok	May, June, July, August, September, October	-	-	-	80	40	120	120

		percentage. ➢ **Scale of Perception: Likert Scale**													

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Demon (No.)	Area (in Ha)	Location	Period and Duration	Number of beneficiaries						Grand Total
								SC/ST			General			
								M	F	Total	M	F	Total	
Front Line Demonstration	Training Need Assessment	Effectiveness of training programme conducted in KVK Thoubal	**ICAR, New Delhi, 2020**	120	Thoubal and kakching district	Khangabok, Lishamlok, Thoubal, Kakching	May, June, July, August, September, October	20	20	40	40	40	80	120

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1. Strengthening Farmer Organizations through Group Dynamics	2	April 2025	3	off	4	3	7	10	8	18	25	
		2. Gender mainstreaming through SHGs	2	May 2025	3	off	-	-	-	-	25	25	25	
	Rural Youth	1. Entrepreneurial development of	2	July 2025	3	On	4	3	7	8	5	13	20	

		youths (livestock /horticulture based integrated farming system) 2. Understanding Crop Insurance: Importance and Benefits for Risk Management 3. Building Resilient Teams in Agri-Entrepreneurship and Rural Development	1 1	August 2025 September 2025	3 3	Off on	10 5	10 5	20 10	- 5	- 5	- 10	20 20	
	Extension Personnel	1. Sustainable Agriculture through Social Entrepreneurship: Role of Extension Functionaries	1	October 2025	5	On	4	3	7	5	3	8	15	
	Civil Society													
	NGO (including school drop outs)													
	Others													

Sponsored training programmes	Farmer and Farm women	1. Scaling Up Small Agri-enterprises: Challenges and Strategies	1	November 2025	3	On	8	4	12	10	8	18	30	
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others													
Vocational	Capacity Building	Entrepreneurship Skill development	1	December 2025	7	On	3	2	5	5	5	10	15	

Specific activity	No. of activities	Period of the year	Duration (in days)	Number of beneficiaries (No.)							
				SC/ST			General			Grand Total	
				M	F	Total	M	F	Total	M	F
Diagnostic visit	48	Throughout the year		25	15	40	148	72	220	173	87
Advisory services/ telephone talk	1300	Throughout the year		107	68	175	896	329	1225	1003	397
Training Manual	5			-	-	-	-	-	-	-	-
Celebration of Important days	5			25	20	45	75	55	130	100	75
Exhibition	3			30	40	70	120	130	250	150	170
Exposure visit	10			-	-	-	-	-	-	-	-
Extension literature (Leaflet/ folders/ Pamphlets)	70			-	-	-	-	-	-	-	-
Extension / technical bulletin	2			-	-	-	-	-	-	-	-
News letter	1			-	-	-	-	-	-	-	-
News paper coverage	12			-	-	-	-	-	-	-	-
Research publications	6			-	-	-	-	-	-	-	-
Success stories/ Case studies	6			-	-	-	-	-	-	-	-
Farm Science Clubs' Convenors meet	31			85	35	120	426	198	624	511	233
Farmers' Seminar	2			-	-	-	-	-	-	-	-
Farmers' visit to KVKs	1500			65	20	85	735	680	1415	800	700
Ex-trainees' meet	3			-	-	-	-	-	-	-	-
Field day	11			-	-	-	95	55	150	95	55
Film show	10			32	16	48	502	350	852	534	366
Radio Talk	12			-	-	-	-	-	-	-	-
TV talk	8			-	-	-	-	-	-	-	-
Kisan Gosthi	2			-	-	-	45	25	70	45	25
Group Meeting	11			12	8	20	195	85	280	207	93
KisanMela	1			10	20	30	30	25	55	40	45
Soil Health Camps	5			15	20	35	155	70	225	170	90
Animal Health Camps	2			30	15	45	45	50	95	75	65
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	600			2300	950	4250	1600	1450	3050	5900	2400

Method demonstration	18			20	30	50	20	30	60	40	70
Scientists' visit to farmers' field	60			15	10	25	370	155	525	385	165
Workshop/ Seminar	1			-	-	-	-	-	-	-	-
Soil Testing	250			35	20	55	600	345	945	635	365
Water Testing	200			20	10	30	130	40	170	150	50
Plant Testing											
Manure Testing				-	-	-	-	-	-	-	-
Any other (Pl. Specify)				-	-	-	-	-	-	-	-

ACTIVITY CALENDAR OF THE KVK (MONTH-WISE TARGET TO BE COMPLETED) FOR THE YEAR 2025

KVK: Thoubal, Manipur

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (No.s.)													
i. Number of Technologies	1		5	1	1		1	2	1				**12**
i. Number of Trials	5		25	5	5		5	10	5				**60**
ii. Area (ha)/ items (no.)	0.5		3.5	1.25	0.5		0.75	1.25	1.25				**8.5**
FLD (Nos.)													
i. Number		1	3	3			2		1				**10**
ii. Area(ha)/ items (no.)		1.0	6.0	4.0			1.5		2.5				**15**
Training programme													
Farmer													
i. No. of course	4	6	5	1	3		3	1	1	1	1	1	**27**
ii. No. of participants	65	90	75	15	45		45	30	15	15	15	15	**425**
Rural Youth													
i. No. of course	2	1		2	1	3	1	1	2	2	1	2	**18**
ii. No. Of participants	30	15		30	20	60	20	15	30	30	15	30	**295**
Ext. Personnel													
i. No. of course				1	1			2			1		**5**
ii. No. Of participants				15	15			40			15		**85**
Extension Activities/ programmes													
i. No. of activities	5	9	4	4	7	7	7	7	10	7	10	7	**85**
ii. No. of beneficiaries	600	600	600	1000	1000	1500	1200	800	1000	850	670	680	**10500**
Seeds production (tonnes)	2				1.5		10.3	10.61			2	3.8	**30.21**
Planting materials (Nos. in Lakh)	0.005	0	0	0	0.065	0.055	0.42	0.4	0	0.1	0.035	-	**1.08**
Livestock strains (No.)	-	-	100					100	20	2			**222**
Fingerlings (No. in lakh)					0.08	0.04	0.02	0.03			0.03		**0.20**

Bio-agents/ products (tonnes)													
Bio-fertilizers/ Vermicompost etc. (in Tonnes)	0.02	-	0.02	-	0.06	-	0.01	0.02	-	-	-	0.1	**0.13**
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	37	37	37	20	37	37	30	37	42	37	45	54	**450**
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	148	150	150	80	87	110	85	85	213	150	180	210	1200
Soil , Water, Plant, Manures Testing (No. of villages covered)	2	2	2	2	1	1	1	1	7	2	2	2	**25**
Mobile Agro-Advisory (No. of Messages)	130	130	130	130	130	130	130	80	130	130	80	70	**1300**
Mobile Agro-Advisory (No. of Farmers)	450	450	450	700	700	500	470	400	450	500	450	500	**6000**