

PROFORMA FOR ANNUAL REPORT OF KVKS 2022 (January- December)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
KVK Champhai District, Kawnzar Veng, Khawzawl – 796310, Mizoram	9436190701	NA	kvkchawzawl@gmail.com

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Department of Agriculture, Govt. of Mizoram	9436190701	0389-2315784	mizagri@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Malsawmkimi	Vengthar, Khawzawl – 796310, Mizoram	9612624738	Sawmi77@rediffmail.com

1.4. Year of sanction: 2004

1.5. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Category (SC/ST/OBC/Others)
1	Sr. Scientist & Head	Dr. Malsawmkimi	Senior Scientist & Head	Horticulture	131100	131100	24.02.2022	ST
2	Subject Matter Specialist	Dr. Om Prakash	Subject Matter Specialist	Agronomy	85800	85800	14.06.2015	Others
3	Subject Matter Specialist	Syed Khaliduddin Ahmed	Subject Matter Specialist	Animal Science	80900	80900	26.04.2008	Others
4	Subject Matter Specialist	R. Vanlalduati	Subject Matter Specialist	Soil Science	78500	78500	12.03.2012	ST
5	Subject Matter Specialist	-	-	-	-	-	-	-
6	Subject Matter Specialist	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Lalhruaitluangi	Programme Assistant	Home Science	60400	60400	01.07.2008	ST
9	Computer Programmer	C. Ramdinsanga	Computer Programmer	Computer Programmer	60400	60400	23.04.2008	ST
10	Farm Manager	Prakash Thapa	Farm Manager	Farm Manager	60400	60400	25.04.2008	Others
11	Superintendent / Accountant	Maria Lalthafamkimi	Assistant	Assistant	52000	52000	04.07.2011	ST
12	Stenographer	C. Lalramthangi	Stenographer	Stenographer	34300	34300	03.10.2011	ST
13	Driver	R. Dengliana	Driver	Driver	34300	34300	29.02.2008	ST
14	Driver	Lalnuntluanga	Driver	Driver	34300	34300	29.02.2008	ST
15	Supporting staff	Vanlalvenhima	Supporting staff	Supporting staff	26800	26800	24.07.2008	ST
16	Supporting staff	-	-	-	-	-	-	-
	Total	12	12	12				

Note: No column in the table must be left blank

- 1.6. a. Total land with KVK (in ha) : 12.774 ha
 b. Total cultivable land with KVK (in ha): 8.464ha
 c. Total cultivated land (in ha): 4.217

S. No.	Item	Area (ha)
1	Under Buildings	1.31
2.	Under Demonstration Units	11.474
3.	Under Crops (Cereals, pulses, oilseeds etc.) (Pl. specify separately) i.Cereal ii.Pulses (Blackgram, Greengram, Field pea iii. Toria	i. 0.5 ii. 1.0 iii. 0.2
4.	Under vegetables	0.20
5.	Orchard/Agro-forestry	1.3
6.	Others (specify)	1.0

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						
			Complete			Incomplete			
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	ICAR	2007						Completed
2.	Farmers Hostel	ICAR	2009						Needs major repair
3.	Staff Quarters (6)	ICAR	2007						Completed but needs Repair
4.	Demonstration Units (2)	ICAR	2007						Completed but needs repair
5	Fencing	ICAR	2009						

	Rain Water harvesting system							
	Threshing floor							
	Farm godown							

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	MZ 01 N- 9053	2017		142135	Needs repair/ replacement
Tractor	MZ 01 P- 0211	2017		409.7	Needs repair
Tractor	MZ 01 D- 2246	2006		1097.4	Not in Running Condition

C) Equipments & AV Aids

Name of the equipments	Year of purchase	Cost (Rs.)	Present status
LCD projector	Sept,2008	-	Replacement required
Xerox machine	Sept,2011	-	Good
Computer	Sept,2008/2011	-	Need upgradation
Seed analyser	Sept,2008	-	NOT WORKING
Refrigerator	Sept,2008	-	Good
BOD Incubator	Sept,2008	-	NOT WORKING

Hot Air Oven	Sept,2008	-	NOT WORKING
Grinder	Sept,2008	-	Good
Laptop	Sept,2008	-	Good
T.V.	Sept,2008	-	Good
A.C.	Sept,2008	-	NOT WORKING
Water Pump (5 hp)	2008	-	Good
Paddy Thresher	2009	-	Good
Power Tiller (Mitshubishi Shakti)	2008	-	Good
Power Tiller (Greaves.GS15DILS)	2014	-	Good
Solar Dryer	2012	-	NEED REPAIR
Chaff Cutter	2014	-	Good
Mini Rice Mill cum Oil Expeller	2015	-	Good
Mini Dal Mill	2012	-	Good
Rice Mill(Polisher + winnower)	2017	-	Good

1.8. A). Details SAC meeting* conducted in 2021

Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
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14.12.22	James Lalsiamliana Director, Department of Agriculture	Focus on farmers need, income and taste	All the recommendation has been implemented
	Vanlalhlamuana, Jt. Director of Agriculture, Mizoram		
	F.Lalmalsawma, Deputy Director of Agriculture (KVK)		
	B. Ramnunsanga DAO, Khawzawl		
	Lawmnapari District Forest Officer		
	Lalremruati SDO Irrigation		
	Lalduhthlara DFO, Champhai		
	PC.Lalzarliana President, AMFU Khawzawl		
	Dr.Phillip Lawmsangzuala, Veterinary Officer		
	K.Ramdingliani, President, MHIP Sub Headquarter, Khawzawl		

* Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Sl. No	Farming system/enterprises
1	Horticulture +Maize + Animal Husbandry- Highland (>1250m MSL)
2	Jhum Paddy +Vegetable + Animal Husbandry- Midland (900- 1250 m MSL)
3	Wetland Rice + Fish + Winter Vegetables - Low land (< 900 m MSL)

2.2 Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

Sl. No	Agro-climatic Zone	Characteristics
1	Sub- tropical/ Sub- temperate/ Humid	Some parts of the district like Ngopa & Khawzawl block experience all the three seasons i.e. winter, summer and rains, while in the Champhai valley the temperature ranges from 1-7°C for a longer period during winter, severely affecting the crops because of frosty weather. The relative humidity of the region is higher due to heavy rains (2500 mm annually).

2.3 Soil types

Sl. No	Soil type	Characteristics	Area in ha
1	Black Soils	-	36550 ha
2	Red Soils	-	89600 ha
3	Alluvial Soils	-	31000 ha
4	Sandy soil	-	3600 ha
5	Acid Soils	-	89600 ha

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	Jhum Paddy	4350	4431	0.982
2	Paddy (WRC)	3750	8148	0.460
3	Maize	1660	2345	0.708

4	Rice bean	83	104	0.80
5	Arhar	20	17	1.18
6	Field pea	295	425	0.694
7	Cow Pea	210	231	0.909
8	French Bean	193	401	0.481
9	Soyabean	205	196	1.05
10	Potato	205	2057	0.099
11	Onion	6	34	0.18
12	Brinjal	365	2355	0.154
13	Cauliflower	75	745	0.10
14	Pea	35	150	0.23
15	Carrot	55	393	0.14
16	Cabbage	175	2363	0.07
17	Tomato	31	292	0.11
18	Okra	279	1861.3	0.15
19	Capsicum	25	331.5	0.07
20	Broccoli	16	100.1	0.16
21	Ginger	1008	4969	0.20

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
Jan	9	18.7	8.4	76.5
Feb	21	20.5	10.1	74.1
Mar	43	24.4	13.5	68.4
Apr	96	26.2	15.7	79.4
May	186	26	16.6	78.3
Jun	416	24.4	17.7	88.4
Jul	358	24	18	82.5
Aug	370	23.8	17.9	81.6
Sep	285	23.7	17.4	79.9
Oct	214	23.2	15.9	77.1
Nov	47	21	12.6	74.7
Dec	17	19	9.3	64.2

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity

Note: Pl. provide the appropriate Unit against each enterprise

2.7 Details of Operational area / Villages (2022)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem Identified	Identified thrust area
1	Khawzawl	Khawzawl	Khawzawl	WRC + Jhum paddy + Maize + Winter vegetables + Animal Husbandry and Fisheries	<ul style="list-style-type: none"> • Improper nursery management in WRC. • Improper nutrient management • Infestation of insect pest and diseases. • Lack of awareness toward s integrated farming • Lack of knowledge and awareness on livestock management, feed and fodder production 	<p>Nursery management</p> <ul style="list-style-type: none"> <input type="checkbox"/> Integrated nutrient management <input type="checkbox"/> Integrated pest management <input type="checkbox"/> Creating awareness for adoption of integrated farming. <input type="checkbox"/> Creating awareness for livestock management and feed and fodder production.
2	Khawzawl	Khawzawl	Biate	Jhum paddy + Tea + Orange + Vegetables + Animal Husbandry	<ul style="list-style-type: none"> • Lack of knowledge on crop rotation • No proper post harvest management in tea. • Lack of quality seed of different vegetables • Citrus declining • Lack of knowledge and awareness on livestock management, feed and fodder production 	<p>Creating awareness on crop rotation and integrated farming</p> <ul style="list-style-type: none"> <input type="checkbox"/> Training on post harvest management in tea. <input type="checkbox"/> Creating awareness for the use of quality seeds in different vegetables. <input type="checkbox"/> Rejuvenation of old citrus orchards. <input type="checkbox"/> Creating awareness for livestock management and feed and fodder production

3	Khawzawl	Khawzawl	Chawngtlai	WRC+Jhum Paddy Grapes + Ginger Passion fruit + Animal Husbandry	<input type="checkbox"/> Lack of Training and Pruning of Passion Fruit & Grapes <input type="checkbox"/> Improper nursery management in WRC. <input type="checkbox"/> Improper nutrient management <input type="checkbox"/> Infestation of insect pest and diseases.	<input type="checkbox"/> Cultivation practices of Grapes and Passion fruit <input type="checkbox"/> IDM on Ginger <input type="checkbox"/> Integrated nutrient management <input type="checkbox"/> Integrated pest management <input type="checkbox"/> Creating awareness for livestock management and feed and fodder production
4	Khawzawl	Khawzawl	Kawlkulh	Jhum paddy + Maize + Banana + Ginger + Animal Husbandry + Orange	Lack of awareness towards integrated farming. <input checked="" type="checkbox"/> Improper nutrient management. <input checked="" type="checkbox"/> Citrus declining. <input checked="" type="checkbox"/> Lack of Orchard	Creating awareness for adoption of integrated farming. <input type="checkbox"/> Rejuvenation of old citrus orchards. <input type="checkbox"/> Creating awareness for livestock management
5	Khawzawl	Khawzawl	Dulte	Jhum paddy + Banana + Maize + Ginger + Vegetables	<input type="checkbox"/> Lack of Orchard management. <input type="checkbox"/> Improper nutrient management. <input type="checkbox"/> Lack of Disease and Pest management. <input type="checkbox"/> Lack of awareness towards integrated farming.	Training on Orchard management. <input type="checkbox"/> Integrated nutrient & Pest management. <input type="checkbox"/> Creating awareness for adoption of integrated farming.

6	Khawzawl	Khawzawl	Rabung	Jhum paddy + Maize + Ginger + Vegetables	<input type="checkbox"/> Lack of Orchard management. <input type="checkbox"/> Improper nutrient management. <input type="checkbox"/> Lack of Disease and Pest management. <input type="checkbox"/> Lack of awareness towards integrated farming	Training on Orchard management. <input type="checkbox"/> Integrated nutrient & Pest management. <input type="checkbox"/> Creating awareness for adoption of integrated farming.
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3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2022

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	2	6	6	2	2	20	25
Soil Science	2	2	3	3	2	2	10	10
Horticulture								
Fishery								
Home Science								
PP								
A.Sc								
Total	4	4	9	9	4	4	30	35

Seed Production (ton.)		Planting material (Nos. in lakh)	
Target	Achievement	Target	Achievement
95	83	10000	7500

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2022

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Cropping System	Maize – V. Pea	Lack of cropping system to accommodate more crops for better yield & income	Maize - Vegetable pea cropping system for rainfed conditions under organic management system	Popularization of Groundnut Variety: ICGV 91114	Scientific cultivation of Groundnut	-	Diagnostic visit Field Day	Seeds, Fertilizers
2	Varietal Evaluation	Sweet Corn	Unaware about the growing demand of market and profit.	Varietal evaluation of Sweet Corn Hybrid-2	Popularization of Field Pea with Rhizobium inoculation Variety: Aman	Popularization of Field pea with Rhizobium inoculation	-	Diagnostic visit, Field Day	Seeds, Bio-fertilizers

Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

A.5. Results of On Farm Testing (OFT)

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)				Feedback from the farmer	Feedback to the Researcher	B:C Ratio
1	Maize - Vegetable pea cropping system for rainfed conditions under organic management system	Lack of cropping system to accommodate more crops for better yield & income	Technology Option-1: Maize - V. Pea Technology Option-2: Farmers practice	Maize - V. Pea	3	Maize: 4.2 t/ha V. Pea: 2.45 t/ha	68500	163050	86220	Satisfied with the performance and income from Maize – V. Pea cropping system		2.38 2.05
2	Varietal evaluation of Sweet Corn Hybrid-2	Unaware about the growing demand of market and profit.	TO1: Introduction of Sweet Corn Hybrid-2 TO2: Farmers practice: Mimban	Sweet Corn	3	Green cobs: 42380	83800	302714	218914	Very much convinced	Improve stickiness	3.61
3	Efficacy of foliar application of calcium improves yield and quality of tomato	High incidence of blossom end rot in tomato variety Arka Samrat	TO1 1)NPK-100:80:40 Kg/ha 2) Calcium Nitrate (5g/L) sprays should be applied at weekly intervals 3) Subsequent irrigations at	Tomato	3	TO-1 390 TO-2 260	TO-1 7.2% TO-2 5.7%	TO-1 Rs 5,85,003 TO-2 Rs	TO-1 0.52 TO-2 1.89	Crop yield was satisfactory and farmers are ready to cultivate it at larger		TO-1 4.0 TO-2 3.1

			10 days interval TO2-Farmers Practice					3,20,800		scale		
4	Recycling of crop residue and weed biomass into enriched compost	Shortage of organic inputs in farmers field	<p>To1-</p> <p>Raw materials-1900 kg vegetable wastes/straw,200 kg cow dung(dry weight basis), 250 kg Rock Phosphate.</p> <p>Pit size--(lXbXh)-3mx3mx1m</p> <p>Prepare a base of the heap out of hard, woody materials such as sticks, bamboo sticks etc</p> <p>Place bio-solids over the base made above. The layer should be about 30 cm thick.</p> <p>Sprinkle slurry prepared by mixing cow dung and rock phosphate over the crop residues to moisten the material.</p> <p>Make another layer of crop residue and moisten it with slurry.</p> <p>Continue with alternate layer of crop residue and</p>	Compost	3	TO-1	-	TO-1				TO-1
						9.7		18,700				2.5
						TO-2		TO-2				TO-2
						7.90		9,570				1.8

			slurry until the heap is 1.5 m high. Cover the heap with soil or polythene and mix the material after 15 days. Give two turnings after 30 & 45 days. The compost becomes ready for field application within 90-100 days period. TO-2 Farmers Practice									
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**Field crops – ton/ha, *for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, *for mushroom and vermicompost kg/unit area.*

*** Give details of the technology assessed or refined and farmer's practice*

3.2 Achievements of Frontline Demonstrations during 2022

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous years and popularized and recommended for large scale adoption in the district

Sl. No	Crop and Variety/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Field Pea	Popularization of Field Pea with Rhizobium inoculation Variety: Aman	5	15	5.0

2	Lentil	<p>Source and Year- ICAR, NEH, Tripura, 2017</p> <p>NPK-20:40:20 Kg/ha+ 200 kg lime/ha+ 3 times foliar spray of 2% Urea+0.5% ZnSo4+0.2% borax (20 kg N as basal and rest 20 kg as top dressing(at flowering) other nutrients and lime were applied in furrows before sowing.</p> <p>Spacing : 20cm X 20 cm</p>	3	10	5
3	Compost	<p>Composting: Indore Method</p> <ol style="list-style-type: none"> 1. 10 cm of material which is difficult to decompose, for example maize stalks. Then sprinkle with water. 2. 10cm of material which is easy to decompose, such as fruit and vegetable scraps. 3. 2cm of animal manure. 4. A thin layer of soil from the surface of cropped land to obtain the microorganisms needed for the composting process. 5. Repeat these layers until the heap reaches 1m to 1.5 m high. 6. Cover with grass or leaves (such as banana leaves) to prevent water loss. 7.LXBXH (3X1X1 M) 	7	10	0.20

* Thematic areas as given in Table 3.1 (A1 and A2)

- b. Details of FLDs conducted during reporting period (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Groundnut	Varietal evaluation	Popularization of Groundnut Variety: ICGV-91114	Kharif 2022	2.5	2.5	10	-	10	-	Rainfed, Sandy clay loam			
2	Field Pea	Varietal evaluation	Popularization of Field Pea with Rhizobium inoculation Variety: Aman	Rabi 2022	5.0	5.0	15	-	15	-	Rainfed, Sandy clay loam			
3	Lentil	Nutrient Management	T0-1 NPK-20:40:20 Kg/ha+ 200 kg lime/ha+ 3 times foliar spray of 2% Urea+0.5% ZnSo4+0.2% borax Spacing : 20cm X 20 cm T0-2 Farmers Practice	Rabi 2022	5	5	10	-	10	-	Irrigated	351.0	11.71	282.1

4	Compost	Waste Agricultural Biomass	<p>TO-1</p> <p>Composting: Indore Method</p> <ol style="list-style-type: none"> 1. 10 cm of material which is difficult to decompose, for example maize stalks. Then sprinkle with water. 2. 10cm of material which is easy to decompose, such as fruit and vegetable scraps. 3. 2cm of animal manure. 4. A thin layer of soil from the surface of cropped land to obtain the microorganisms needed for the composting process. 5. Repeat these layers until the heap reaches 1m to 1.5 m high. 6. Cover with grass or leaves (such as banana leaves) to prevent water loss. <p>TO-2-Farmers Practice</p>	Kharif 2022	0.2	0.2	10	-	10	-	Rainfed	371.2	12.3	298.4
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c. Performance of FLD on Crops during 2022

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*			GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
									Demo	Local								
1	Groundnut	Varietal evaluation	2.5	8.35	6.20	34.6	9.20	7.50	-	-	38650	85860	47210	2.22	32500	62800	30300	1.93
2	Field Pea	Varietal evaluation	5.0	21.80	15.20	43.40	23.20	18.50	-	-	37620	85350	47730	2.27	31800	59550	27750	1.87
3	Lentil	Nutrient Management	5.0	8.85	6.90	28	10.20	7.51	-	-	25,070	56,467	31,397	2.2	19,800	41,400	21,600	2.0
4	Compost	Waste Agricultural Biomass	0.20	7.55	6.5	16.15	8.1	7.0	-	-	6,280	15,100	8,820	2.4	4,530	9,750	5,220	2.1

*H-Highest recorded yield, L- Lowest recorded yield ** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio Produce Sale Price must be as per MSP or Registered Marketing Society Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	4	22.08.2022	-	15	15	-
			12.04.2022	-	12	12	-
			13.12.2022	-	54	54	-
2	Farmers Training	3	3.05.2022	-	10	10	-
			21.11.2022	-	10	10	-
			14.10.2022	-	26	26	-
3	Media coverage	3	15.10.2022				
			22.10.2022				
			10.02.2022				
4	Training for extension functionaries	-	-	-	-	-	-
5	Any other (Pl. specify)	-	-	-	-	-	-
	Total	10					

e. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / Indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC	GR	NR	BCR					
																GC*	GR*	NR*	BCR*	
1																				

(iii) Fisheries

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC	GR	NR	BCR					
																GC*	GR*	NR*	BCR*	
1																				

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

f. Performance of FLD on Crop Hybrids

Sl. No.	Crop	Name of hybrids	Area (ha.)	No. of farmers	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				
					Demo.	Check		H*	L*	GC*	GR*	NR**	BC R**	GC	GR	NR	BCR	

**H-Highest recorded yield, L- Lowest recorded yield*

*** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio*

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

3.3. Achievements on Training during 2022

**** (Attached separate in Excel format)**

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Rice	Economics of chemical weed mngt. in Rice	16/6/2022	1	KVK Campus	F & FW				11	6	17	11	6	17
	Field pea	Scientific cultivation of Field pea & benefits of <i>Rhizobium</i> inoculation	14/10/2022 21/10/2022 28/10/2022	1	KVK Campus	F & FW				40	39	79	40	39	79
	IFS	Advantage of Integrated Farming	15/04/2022	1	KVK Campus	RY				20	8	28	20	8	28
Soil Science	Soil Health Management	Soil Fertility Management in Jhum field	17/5/22	1	On	F & FW	-	-	-	20	14	34	20	14	34
	Conservation technology	Soil Conservation Measures	12/3/22	1	On	F & FW	-	-	-	15	7	22	15	7	22

	Nutrient Management	Nutrient Management in Paddy	6/6/22	1	On	F & FW	-	-	-	21	11	32	21	11	32
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Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Maize -Pea	Advantage of Maize – Vegetable pea cropping system	3.05.202	1	Zotlang				8	6	14	8	6	14	
	Field pea	Scientific cultivation of Field pea	11/10/2022 18/10/2022 25/10/2022	1	Mualkawi , Zotlang, Vengsang Tuipui	F & FW				58	54	112	58	54	112
	Vermi composting	Economics of Waste to wealth- Vermicomposting	18/11/2022	1	Ruantlang				7	5	12	7	5	12	
	IFS	Advantage of Integrated	22/04/2022	1	Chawngt lai	RY				23	9	32	23	9	32

		Farming														
Soil Science	INM	INM in Paddy	14/6/22	1	Zotlang	F & FW	-	-	-	17	5	22	17	5	22	
	Small scale income generating enterprise	Vermiwash	13/7/22	1	Rabung	Rural Youth	-	-	-	10	15	25	10	15	25	
	Compost	Enriched Compost	19/7/22	1	Neihdawn	Extension Personnel	-	-	-	12	14	26	12	14	26	
	Nutrient management	Nutrient deficiency symptoms in major crops	24/8/22	1	Tuipui	F & FW	-	-	-	17	6	23	17	6	23	
	Soil management	Management of acidic soil	13/9/22	1	Chawngtlai	F & FW	-	-	-	21	10	31	21	10	31	

(D) Vocational training programmes for Rural Youth

Crop /	Date	Durati	Area of	Training	No. of Participants	Impact of training in terms of Self	Whether
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Enterprise	(From – To)	on (days)	training	title*	General			SC/ST			Total			employment after training				Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Organic farming	23.05.22	5	Organic farming	Organic farming	-	-	-	12	3	15	12	3	15	-	-	-	-	MANAGE, 42,000/-
Mushroom production	16.01.22	5	Mushroom production	Mushroom production	-	-	-	-	15	15	-	15	15	-	-	-	-	MANAGE, 42,000/-
Bee keeping	13.02.22	5	Bee keeping	Bee keeping	-	-	-	15	-	15	15	-	15	-	-	-	-	MANAGE, 42,000/-

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants			Sponsoring Agency	Amount of fund received (Rs.)
							General	SC/ST	Total		

							M	F	T	M	F	T	M	F	T		
Off	F/FW	12.09.22	4	15.09.22	Vermicompost	Vermicomposting	-	-	-	15	10	25	15	10	25	NABARD	10000/-

3.4.Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2022

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	Diagnostic visits			36	-	-	-	78	30	108	-	-	-	78	30	108
2.	Advisory Services			240	-	-	-	160	80	240	-	-	-	160	80	240
3.	Celebration of important days			10	-	-	-	160	105	265	-	-	-	160	105	265
4.	Exhibition			1	-	-	-	186	139	325	-	-	-	186	139	325
5.	Exposure visits			1	-	-	-	8	2	10	-	-	-	8	2	10
6.	Farmers Seminar/ workshop			1	-	-	-	30	15	45	-	-	-	30	15	45
7.	Farmers Visit to KVK			55	-	-	-	340	220	560	-	-	-	340	220	560

8.	Field Day			4	-	-	-	52	33	85	-	-	-	52	33	85
9.	Kisan mela			1	-	-	-	160	202	362	-	-	-	160	202	362
10.	Self Help Group Conveners meetings			3	-	-		72	53	125	-	-	-	72	53	125
11.	Whatsapp Group for Farmers/Entrepreneurs formed			7	-	-	-	115	65	180	-	-	-	115	65	180
12.	News paper coverage			23	-	-	-	-	-	-	-	-	-	-	-	-
13.	Awareness Camp			5	-	-	-	98	62	160	-	-	-	98	62	160

3.5 Production and supply of Technological products during 2022

A. SEED MATERIALS

Major group/class	Crop wise	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries				
					General		SC/ST		Grand Total
					M	F	M	F	
1. Cereals	a. Paddy	Manipur (local)	15	75,000	-	-	22	8	30
	b. Maize	Mimpui (local)	5	42,000	-	-	18	7	25
2. Oil seeds	Groundnut	Girnar	5	60,000	-	-	10	5	15
3. Pulses	Field Pea	Aman	8	80,000	-	-	9	7	16
4. Vegetables	Potato	KufriJyoti	50	2,00,000	-	-	36	14	50

A1. SUMMARY of Production and supply of Seed Materials during 2022

Sl. No.	Major group/class	Quantity (q) produced	Quantity (q) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries				
					General		SC/ST		Grand Total
1	Cereals	20	20	117,000	-	-	40	15	55
2	Oil seeds	5	5	60,000	-	-	10	5	15
3	Pulses	8	8	80,000	-	-	9	7	16
4.	Vegetables	50	50	2,00,000	-	-	36	14	50
TOTAL									

B. Production and supply of Planting Materials (Nos. in No.) during 2022

Major group/class	Crop	Variety	Quantity (In No.) produced	Quantity (In No.) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries				
						General		SC/ST		Grand Total
						M	F	M	F	
Fruits	Jackfruit	Local	1,000	1,000	10,000	-	-	35	15	50
Tree species/Vegetables	Drumstick	PKM-1	500	500	5000	-	-	54	46	100
	Tree Bean	talim (local)	100	100	2000	-	-	30	20	50
	Tomato	ArkaRakshak&ArkaSamrat	10000	10000	5000	-	-	30	50	80
	Broccoli	Green Magic	15000	15000	7500	-	-	25	75	100
	Cabbage	Ryozeki	5000	5000	2500	-	-	40	60	100

3.6. Literature Developed/Published (with full title, author & reference) during 2022

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): _____)

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies	
			Produced/ published	Supplied/ distributed
1.	Package and Practices of Tomato variety Arka Abhed	Dr.Malsawmkimi	200	200
2.	Package and Practices of Moringa	Dr.Om Prakash	80	80
3.	Vermicompost	R.Vanlalduati	120	120
4.	Nutrient Enriched Compost	R.Vanlalduati	50	50
5.	Rural Composting (Indore method)	R.Vanlalduati	50	50

N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate the title in English

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1.			

1.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Success story on Open cultivation of French bean variety *Zorin bean*

Introduction

Mr. J.Lalthangzela is an enthusiastic and motivated farmer from Chawngtlai village, Khawzawl district, Mizoram. He is hardworking and his primary occupation is agriculture. He is landless; he borrows the land from the village council of Chawngtlai for his farming. He was growing French bean and tomato, but he could not get high yield due to lack of knowledge and high-yielding varieties, even though the climate and other natural resources were favorable. To overcome his situation, he visited Krishi Vigyan Kendra (KVK) in the year 2022 and KVK Scientists advised him to follow scientific cultivation of tomato and French bean as they taught him, they even highlighted DBT Biotech KISAN Hub. He has shown keen interest in DBT Biotech KISAN Hub project being implemented by Department of Horticulture, Aromatic and Medicinal plants, Mizoram University, Aizawl and Govt. of Mizoram, KVK Khawzawl, Champhai District and he had selected as one of the beneficiaries for Open cultivation of French Bean variety *Zorin bean*.

Methodology

He cultivated French bean and tomato covering around one acre during kharif season as per advised by the KVK experts.. He followed sowing of French bean after 45-60 days after transplanting of Tomato. The seeds were sown around the bamboo pole used for support at an interval of 2 feet x 1.5 feet spacing of tomato trellis by wiring with a rope. The cost involved in setting up of a bean poles were highly reduced as tomato trellis are used for initial growth of bean vines. His field has been used as field demonstration unit for these crops and facilitated in organizing exposure visits and training of farmers in Champhai District. He also produces seeds of French bean crops in his field, which he sells to other farmers in and around the villages. He continued to cultivate French bean in the same piece of land during rabi season to get higher income.

Output and outcome

- KVK had been given Vermi bed for compost pit as he himself can make organic manures by using his crop residue and weed biomass.
- After seeing his success and hardworking, Village council member of Chawngtlai had allowed him to borrow more land for cultivating vegetables for the next year 2023.
- Mr. J.Thangzela is now a role model for other farmers in adopting the technology and farmers from adjoining locality often pay visit to him.

Result:

No.of pods/plant	171 nos
------------------	---------

Pod length (cm)	21 cm
Fruit weight (gm)	16 gm
Pod yield (q/acre)	26 q/acre
Average Price obtained per kg	Rs 80/-
Cost of cultivation per acre (Rs./acre)	52,410
Net income per acre (Rs./acre)	1,55,590/-

The DBT Biotech KISAN Hub project activities have helped in enhancing his income and he has earned Rs 1, 55,590/- as net profit from cultivation of French Bean crops.



**Success Story of CFLD Pulses
KVK Champhai District, Mizoram**

Farmers of KVK Champhai, Mizoram have been cultivating old local varieties of Pea generally buying from the Grocery shop which are low yielding, tall stature, and sensitive to Powdery mildew and long duration (120 days maturity). These characteristics of old varieties do not attract the farmers for commercial cultivation and moreover it was not profitable. Pea are generally sown during second week of October and harvested during last week of January. The main reason for introduction of Azad Pea-3 is to increase garden pea production as well as cropping intensity and farmer's income.

Initially, 9 farmers have adopted the intervention of cultivation of short duration HYV Garden Pea (var. Azad Pea-3), during the year 2016-17. Recently, 102 farmers from Vengsang, Tlangsang, Zotlang, Ruantlang, Mualkawi, Tuipui, Khawzawl, Tualte and Chhawrtui villages covering 53.5 hectares of land. The average productivity of the variety was 2.4 t/ha with a net return of Rs 58,000.

Interventions	Extent of adoption in the village in ha					
	2017	2018	2019	2020	2021	2022
Garden Pea (var. Azad Pea-3)	1	4.5 ha	18.2 ha	45.8 ha	51.0	53.5
Number of Village covered	2	2	5	7	10	12



3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

3.10 Indicate the specific training need analysis tools/methodology followed for

3.11 Field activities

- i. Number of villages adopted: 9
- ii. No. of farm families selected: 63
- iii. No. of survey/PRA conducted: 8

3.12. Activities of Soil and Water Testing

- Status of establishment of Lab : Yes
1. Year of establishment :2015
 2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1		Mridaparikshak		1	86,000/-

4.0. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period only)

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations established during 2021

Name of organization	Nature of linkage
State Department of Agriculture/Horticulture/ AH&VETY/ Fishery/ Forestry Champhai and Khawzawl District.	Implementation of RKVY, NFSM, supply of subsidized inputs like chemicals, farm machinery, Project, Training, Technical Advices, etc
NABARD	Implementation of Project and Trainings
Block Development Office	Training and technical advice as Resource person
NGOs AMFU, YMA etc	Technology transfer, Awareness programme, Celebration of important days

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2021

Name of the scheme/ special programme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Orientation Training Programme	Training	25-03-2022	State Government	1,52,100/-
		26-03-2022		
		28-03-2022		
		31-03-2022		

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district No

Sl. No.	Programme	Nature of linkage	Remarks
	Nil	Nil	Nil

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
	NIL	NIL	NIL

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
	NIL	NIL	NIL

5.6 MGMG of KVKs during 2022

No of Villages	Participants		No of Visit made	Participants		No of demonstration	Participants		No of Farmers meeting	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others		SC/ST	Others
2	52	-	3	17	-	1	7	-	2	33	-

5.7 Natural Farming during 2022

No. of demonstrations conducted	Participants		No. Trainings	Participants		No. of Awareness Programs	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others
2	2	-	3	38	-	1	21	-

5.8 Achievements under DAMU KVKs during 2022 (only selected KVKs)

No of KVKs	Beneficiaries	Advisories given (no)	Training organised (no)	Dissemination of Advisories

6.0 Report on Agri Drone project (only selected KVKs)

S.No.	Name on the Project Implementing Centre (PIC)	No. of Kisan Drones Sanctioned	Target Area for Kisan Drone Demonstration (Ha)	No. of Kisan Drones Purchased by the PIC	Make and Model of Purchased Kisan Drone	Purchased cost of each drone (Rs.)	No. of Kisan Drone Demonstrations organized	Date and Place of Kisan Drone Demonstration	Operation carried out (Pesticide /Nutrient application)	Area Covered under the Kisan Drone Demonstration	Number of farmers participated	Advantages of using Kisan Drones as observed during the demonstrations	Problems any encountered in Drone Purchase and their Demonstrations	Additional Remarks if any

6.1 Status of NARI during 2022

Name of Nutri-SMART Village	T1	T2	T3	Area (ha)	No of Beneficiaries	Name of crop	T1			T2			T3		
							Name of variety	Yield (q/ha)	Consumption (kg)	Name of variety	Yield (q/ha)	Consumption (kg)	Name of variety	Yield (q/ha)	Consumption (kg)
Tuipui	Okra	Broccoli		2	22	Okra	Arka Anamika	32q/ha	30 kg	Green magic	21q/ha	50 kg			

		li												

7. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2022

7.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit (Name and No.)	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety/ species/ breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Vermi composting unit - 2 nos	2008 & 2016	480 sq.ft	Eudrilus eugeniae	Biofertilizers	5000	51,000/-	1,50,000/-	
2	Azolla Unit	2016	160sq.ft	-	Biofertilizers	500	-	-	-

7.2 Performance of instructional farm (Crops) including seed production during 2022

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Maize	4.05.2022	22.07.2022	0.25	Mimpui	seed	5	24,200	40,800	Distributed to 20 farmers
Chilli	8.05.2022	12.09.2022	0.25	Mizo chilli	Dry chilli	2.5	34,800	64,000	
Ground nut	13.06.2022	24.11.2022	0.18	Girnar	Seed	5	26,100	62,000	Distributed to 6 farmers

7.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.) during 2022

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	Vermicompost	5000	51,000/-	1,50,000/-	
	Azolla	500	-	-	

7.4 Performance of instructional farm (livestock and fisheries production) during 2022

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	

7.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Unit/ structure during 2022

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST		
				Male	Female	Total
09.06.2022	Training on Rain water harvesting and water conservation	PF	1	15	10	25

7.6. Utilization of hostel facilities (Month-Wise) during 2022

Accommodation available (No. of beds):

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Farmers Hostel is used for Football Tournament					
Total					

Note: (Duration of the training course X No. of trainees)=Trainee days

8. FINANCIAL PERFORMANCE

8.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
KVK Khawzawl(PFMS)	State Bank of India	Khawzawl	37041217638
KVK Khawzawl (Revolving Fund)	State Bank of India	Khawzawl	37958564078

8.2 Utilization of funds under CFLD on Oilseeds and Pulses (Rs. In Lakhs) if applicable during 2022- 23

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31 st March, 2023
	Amount	Amount	Amount	Amount	
		0.74538		0.74538	NIL

TOTAL		0.74538		0.74538	NIL
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8.3 Utilization of KVK funds during the year 2022

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	160.48284	160.48284	160.48284
2	Traveling allowances	3.00	3.00	3.00
3	Contingencies	18.50	18.50	18.50
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
	Working Capital			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
K	KSHAMTA			
L	NARI			
M	HRD	0.80	0.80	0.80
TOTAL (A)		182.78284	182.78284	182.78284
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture	19.02	19.02	19.02

3	Vehicle (Four wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	0.15	0.15	0.15
TOTAL (B)		19.17	19.17	19.17
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		201.95284	201.95284	201.95284

8.4 Status of Revolving Fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance with KVK (in lakh)
2020-21	136,815	48,730	45,530	140,015
2021-22	140,015	84,381	68,000	224,396
2022-23	224,396	48,158	138,000	134,554

Note: No KVK must leave this table blank

8.5 Please include information which has not been reflected above.

(Write in detail)

8.6 Constraints and Suggestion (Provide point-wise if any, for recommendation)

(a) Administrative

- ❖ No define guidelines for the services benefit and lack of promotion channel for KVK staff.
- ❖ Unavailability of pension and gratuity benefits and medical benefits for KVK staff.
- ❖ Over burden by reporting to host department, ICAR and District authorities.
- ❖ Shortfall in modernization and up gradation of office buildings, assets and staff quarters
- ❖ Overlapping of KVK activities with that of the host department, other assigned activities besides mandated activities of KVK
- ❖ Lack of opportunities for upgrading knowledge as no provision of full fledged library, subscription of journal etc.
- ❖ Lack of man power for administration establishment and effective and smooth functioning of KVK.

- ❖ Delay in recruitment of vacant post.

(b) **Financial**

- ❖ Non availability of funds for building (Administrative, Staff quarter, Farmer Hostel etc) maintenance and renovation.
- ❖ Limited fund for Farm development and establishment of demonstration unit.
- ❖ No provision of fund for boundary wall fencing, farm approach and internal roads.
- ❖ Insufficient fund for conducting training, trials and demonstration.
- ❖ Insufficient fund for contingencies, transport allowances etc.

(c) **Technical**

- ❖ Untimely supply of inputs
- ❖ Lack of reliable and updated statistical data of the district.
- ❖ Low risk and decision making abilities of the farmers to take up new technologies.
- ❖ Shortage of transportation facilities for conduct of various mandated activities.
- ❖ Lack of Quarantine post to check diseases and pest etc.
- ❖ Lack of infrastructure facilities for livestock production and research activities.
- ❖ Insufficient skilled man power for Laboratory works
- ❖ Insufficient, proper and improved facilities for Information & Communication Technology.

SUGGESTION:-

(a) **Administrative:**

- ❖ Regularization of KVK staff at par with the State Govt. employees or ICAR employees.
- ❖ Development of define guidelines for pension, medical facilities and other services benefit at par with ICAR or State/Central Govt. employees.
- ❖ Minimize the workload and overburden of KVK by giving priority to mandated activities by removing overlapping of KVK activities with that of the host department, other assign activities besides mandated activities.
- ❖ Treatment of KVK staff at par for the purpose of privileges, amenities and facilities permissible to the employees of the host department
- ❖ Increase man power of non-technical staff to minimize the workload and burden.
- ❖ Renovation of Staff Quarters, Farmers' Hostel and Admin building at the earliest

(b) **Financial**

- ❖ Provision of funds for Building maintenance and renovation.
- ❖ Additional fund for farm works, demonstration unit and IFS model
- ❖ Fund for farm infrastructure facilities such as farm fencing, electrification, go-downs, farm approach/internal roads and water connection.
- ❖ Additional fund for training, exhibition, Kisan Mela, OFT, FLD etc.
- ❖ Provision of fund for medical reimbursement.
- ❖ Provision of fund for employee allowances admissible to ICAR or state/central employees.

(c) **Technical**

- ❖ Establishment of Farmers Service Centre, Information support system and plant nutrition diagnostic Centre with advance equipment.
- ❖ Establishment of disease free seedling production unit, Farm Shed, Go-down, working shed for seed and planting materials production.
- ❖ Establishment and development of model organic farm and herbal garden at KVK Demonstration Farm/unit.
- ❖ Provision of boundary wall fencing and development funds for establishment and development of farm approach roads and internal roads with farm electrification.
- ❖ Establishment of animal health clinic.
- ❖ Installation of KIOSK at block and village level
- ❖ MIS

(Signature)
Sr. Scientist cum Head