

KRISHI VIGYAN KENDRA LEH

ACTION PLAN 2023-24



DIRECTORATE OF EXTENSION
Sher-e- Kashmir University of Agricultural Sciences and Technology (K)
Shalimar Campus Sringar - 191121

ICAR-ATARI – Zone-I, Ludhiana
PROFORMA FOR ACTION PLAN OF KVKs IN ZONE I FOR 2023-24

1. General information about the KrishiVigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, Leh-I SKUAST(K), Post Box: 146 Leh Ladakh – 194101 Email: kvkleh@gmail.com , kvkleh@yahoo.co.in
1.2	Name and address of host organization	:	Sher –e- Kashmir University of Agricultural Sciences and Technology (SKUAST-K) , Shalimar Campus Srinagar 191121
1.3	Year of sanction	:	1994
1.4	Website address of KVK and date of last update	:	www.kvkleh.com Last update: 31/5/2023

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1	Programme Coordinator	Dr. Feroz Din Sheikh	Animal Science	144200-218200 RL-14A	10000	15/10/2020	Permanent
2.2	Subject Matter Specialist	Dr. Sabiya Asmat	Home Science	144200-218200 RL-13A	8000	13/8/2020	Permanent
2.3	Subject Matter Specialist	Dr. Kunzang Lamo	Veg. Science	57700-182400 RL-10	6000	2/8/2017	Permanent
2.4	Subject Matter Specialist	Vacant					
2.5	Subject Matter Specialist	Vacant					
2.6	Subject Matter Specialist	Vacant					
2.7	Subject Matter Specialist	Vacant					
2.8	Programme Assistant	Jigmet Laskit		35400-112400 L-6	4200	3/1/2013	Permanent
2.9	Computer Programmer	Sonam Angchok		57700-182400 RL-10	6000	27/10/2002	Permanent
2.10	Farm Manager	Rigzin Safal		35400-112400 L-6	4200	3/1/2013	Permanent
2.11	Accountant/ Superintendent	Vacant					
2.12	Stenographer	Vacant					
2.13	Driver 1	Mr. Tashi Gyalpo		35400-112400 L-6	4200	01/03/1997	Permanent
2.14	Driver 2	Vacant					Permanent
2.15	Supporting staff 1	Mr. Tsering Dorjay		14800-47100 SL-3	1900	01/10/1998	Permanent
2.16	Supporting staff 2	Mrs. Tsering Chondol		16300-53500 SL-1	1300	19/11/2013	Permanent

3. Details of SAC meeting conducted during 2022-23

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2023-24
3.1	6/9/2022	<ul style="list-style-type: none"> - More emphasis should be laid on commercial production of vegetables owing to high photo intensity and less diseases and pest incidence. - Special attention to be given for organic farming in which KVK-Leh should play a role model for the entire Ladakh region. - Imparting trainings on the latest technologies in agriculture to the field functionaries of line departments. - Popularization of Value addition, development of more and more numbers of entrepreneurs and branding of produce among the local farmers. - Every effort should be made in increasing the farmers' income. - Share the technologies related to pashmina production with line departments. - Popularization of bio pesticides among the farmers should be done. - Need of fish farming to be taken up by KVK-Leh and in this matter fisheries department were told to open up two fish units (One trout and one carp unit) at KVK-Leh to study its performance. - Submission of a project proposal related to organic agriculture. - Trainings on value addition to the extension workers. - Popularization of Honey production in Ladakh - Need to address the issue related to feed and fodder scarcity for the livestock of Ladakh region. - Pasture development programmes should be included and submission of project on pasture development. 		October 2023

		- Need to include newer crop varieties in the region taking the advantage of global warming		
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4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Statistical and machine learning techniques for modeling and forecasting agricultural data	ICAR- IASRI, New Delhi	Statistics is an important and essential part of any experimental trial.
4.1.2	Organic agriculture and soil health	AAU-Jorhat	Promotion of organic farming in high Himalaya
4.1.3	Winter school training on farmers empowerment through entrepreneurial ventures	PAU	Need to make farming more profitable and tempting
4.1.4	Techniques on gene study related to climate change	National Dairy research Institute, Karnal, Haryana, India	Climate change as emerging problem and the institute " National Dairy research Institute, Karnal, Haryana, " is lead NICRA institute in Animal science
4.1.5	Community mobilization through SHGs	ICAR, NAARM	Mobilization communities to empower them.
4.1.6	Packaging and Engineering	NIFTEM Haryana	Proper utilization of food for severe climatic conditions in Leh.
4.1.7	Food standards, testing and safety	NIFTEM Haryana	Overcoming food adulteration.
4.1.8	Food biotechnology	CIPHET Ludhiana	Latest intervention for food processing.
4.1.9	Food microbiology	CFTRI Mysore	Improving safety standards of food.
4.1.10	ICT interventions for sustainable agriculture	IARI-New Delhi	ICT tools are very important for timely and relevant provision of technology and knowledge to the farming community
4.1.11	Farmer Producer Organizations	MANAGE-Hyderabad	Marketing of the farm produce is still a problem. Organization of farming community into FPOs and to provide them the necessary market linkage is the necessity of present time.
4.1.12	Statistical tools for Data analysis	IARI-New Delhi	Statistical tools are very important to collect, analyze and interpret the data
4.1.13	Climate change and its mitigation	NAARM Hyderabad	The rising temperature has already affected the crop yield and livestock sector. Appropriate mitigation and adaptation strategies are needed to combat this global threat.

4.2. Cross-learning across KVKs

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – KVK Nyoma and KVK Kargil	<ul style="list-style-type: none"> Crop production technologies apt for the region Promotion of mushroom cultivation in Nyoma under green house.
4.2.2	Within the zone – Punjab and Haryana, Srinagar, Doda Himachal Pradesh	<ul style="list-style-type: none"> Value addition of milk and entrepreneurship development in dairy (KVK, S of Punjab and Haryana) Promotion of mushroom cultivation in Doda. (KVK Doda). Want to learn about the latest technologies in agriculture from kvks of the zone and share experiences to achieve our goals
4.2.3	Outside zone - North East Zone and Southern KVKs	- For maximum exposure and learning.

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK Nyoma, KVK Kargil, KVK Leh and KVK Zaskar	<ul style="list-style-type: none"> • Latest technologies and expertise in crop production • Integrated Farming Model suitable for Ladakh Condition. • Alfa alfa Poultry Model. • Dairy Farming in Cold Arid Condition of Ladakh. Changthangi Pashmina Goat, Changthangi Sheep and Yak Improvement. • Promotion of mushroom cultivation and bio-control agent Trichoderma for managing soil borne diseases • Diagnosis and treatment of various diseases in livestock of Ladakh. • Complete and Silage making and Feeding in Ladakh condition. 	<ul style="list-style-type: none"> • Farmer's traditional experience in crop and soil management . • Location based information and suitable technologies applicable for best production and farmer income. • Facilitation of activity • Coordination and full cooperation.

6. Operational areas details proposed

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Wheat, Barley, Buckwheat and Apricot	Insect pest outbreak, Low yield, Non practice of cultivation of Buckwheat as second crop , Lack of awareness regarding nutritive value of Buckwheat	Area extended in terms of villages	Basgo, Hanu, Skurbuchan, Saspol, Alchi	OFT FLDs, Trainings, Diagnostic visits
6.2	Wheat, Barley, Vegetables and Alfalfa, Apricot, Dairy, Mushroom, Vermicomposting	Low Productivity of wheat and Barley, Heavy labour cost for harvesting Alfalfa, Insect pest outbreak, Low productivity in vegetables, Lack of knowledge, remoteness of the village and lack of proper technology.	Area extended in terms of villages	Panamic, Ayee, Yarma, Sumoor, Chamshen, Hunder	OFTs/FLDs, Trainings, Diagnostic visits
6.3	Potato, Wheat, Barley, Vegetables	Low yield in potato due to traditional cultivation method and inavailability of improved seeds, Low yield of local varieties of wheat and barley, low productivity in vegetables (cucurbits, brinjal, tomato) due to unfavourable weather condition and lack of knowledge	Area extended in terms of villages	Chemray, Kharu, Igoo, Chuchot, Ranbirpur, Nang stakmo etc	OFTs/FLDs, Trainings, Diagnostic visits
6.4	Poultry, Dairy, Fisheries and Sheep and Goat	Lack of proper Housing Design, Lack of Feeding knowledge during winter, disease management.	Area extended in terms of villages	Chuchot, Matho, Thiksey and Shey.	OFTs/FLDs, Trainings, Diagnostic visits
6.5	Wheat, Barley, Buckwheat and Apricot	Insect pest outbreak, Low yield, Non practice of cultivation of Buckwheat as second crop , Lack of awareness regarding nutritive value of Buckwheat	Area extended in terms of villages	Turtuk, Tyakshi, Thang, Chulunkha	OFTs/FLDs, Trainings, Diagnostic visits

7. Technology Assessment during 2023-24

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Onion	Non availability of suitable varieties for the region	Evaluation of DOGR varieties of onion under Ladakh conditions	T0: Farmers practice T1: B. Safed T2: B. Shakti T3: B. super T4: B. Shewta T5: B. Kiran T6: B. Raj T7: B. Shubra T8: B. L. Red	ICAR-DOGR, Pune	Seeds and Seedlings,	Appx. 1000 seedlings	Appx. 300	4	1200	Yield and storage life	Dr. Kunzang lamo (Veg. Sc.) Dr. Feroz Din Sheikh Dr. Jigmet Laskit (Ento.) Mr. Rigzin Safal (PA)
7.2	Cauliflower	bolting	To evaluate performance of different hybrids of Cauliflower for Ladakh conditions	T ₀ - Farmers variety T ₁ - white beauty T ₂ -Superstar T ₃ : White crown T ₄ : Snow Pearl T ₅ : White Magic 515	GENNEXT	Seeds and Seedlings	Appx. 500 seedlings	200	5	1000	Yield and compactness	Dr. Kunzang Lamo and Dr. feroz Din
7.3	Millet	Lack of awareness about the crop	To evaluate performance of different millets under Ladakh conditions	T ₁ - Proso Millet T ₂ -Foxtail millet T ₃ : Pearl millet T ₄ : Finger millet	Farmers and BHU	Seeds	2kg	800	4	3200	Yield and days to maturity under Ladakh conditions	Dr. Kunzang lamo (Veg. Sc.) Dr. Feroz Din Sheikh Dr. Jigmet Laskit (Ento.)
7.4	Animal science	Non availability of proper feeding during winter.	Effect of Silage feeding on milk production in Dairy cows in Ladakh Condition.	T ₀ = No Treatment T ₁ =Feeding with Alfa alfa T ₂ =Feeding with Silage	SKUAST-K	Silage	30 animals	1000	1	30000	Effect of Silage feeding over traditional feeding.	Dr Feroz Din Sheikh, Dr SabiyaAsmat, Dr Kunzang Lamo and Mr. RigzinSafal , PA

7.5	Animal Science	Improper Dosing	Effect of Fasinex and Nilzan on GI Parasitic load in Dairy Cows of Ladakh	T ₀ = No Treatment T ₁ =Fasinex (Fenbendazole) T ₂ =Nilzan (SKUAST-K	Veterinary Drug	100 animals	5000	1	5000	Effect of Silage feeding over traditional feeding.	Dr Feroz Din Sheikh, Dr SabiyaAsmat, Mr. RigzinSafal , and Jigmet Laskit PA
7.4	Mushroom cultivation	availability of substrate	Economical method to cultivate mushroom	T ₀ : Wheat straw T ₁ : Tree leaves T ₂ : Alfalfa T ₃ : Tree leaves and Alfalfa T ₄ : Saw dust	SKUAST-K	Different substrate	09 bags each	1500-2500	1	1500-2500	Yield/bag.	Dr. Stanzin Dorje Dr Jigmet Laskeet Dr. Kunzang Lamo
7.5	Onion	Maggot infestation	To access the efficacy of different organic management tactics against onion maggots	T ₀ –No treatment T ₁ – Yellow sticky trap installed 5cm above Plant canopy. T ₂ – Use of Floating row at seedling stage T ₃ – Neem Oil spray @ 5ml/L T ₄ – <i>Bacillus thuriengensis</i> subsp. <i>Israelensis</i> @2.0gm/L T ₅ – <i>Metarhizium anisopliae</i> 2ml/L	NCIPM, SKUAST-K, NBAIR, Bengaluru	Different Biopesticides, Floating row, Yellow sticky trap	2 units of each	Aprox. 5000	1	5000	Efficacy of different biopesticides and methods against Onion maggot infestation	Ms Jigmet Laskit (PA), Dr. Feroz Din Sheikh, Dr Kunzang Lamo, Dr Stanzin Dorje

7.6	Cole crops	Aphid problem	Efficacy of different biopesticides against aphid	T ₀ – No treatment T ₁ –. Neem Oil spray @ 5ml/ T ₂ – <i>Lecanicillium lecanii</i> @ 10gm/L T ₃ – Garlic extract with insecticidal soap @ 2ml/l	SKUAST -K	Different Biopesticides	100 seedlings , 2 units of eachn bio pesticides	Approx. 2000	1	2000	Efficacy of different biopesticides	Jigmet Laskit(PA), Dr Kunzang Lamo, Dr Stanzin Dorjey
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8. Technology Refinement during 2023-24

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
				2								
8.2				1								
				2								
				3								
8.3				1								
				2								
				3								

9. Frontline Demonstrations during 2023-24

S. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
9.1	Cereals													
9.2	Millet													
9.3	Oilseeds													
9.4	Pulses													
9.5	Commercial crops													
9.6	Horticultural crops	Potato	Low yield and Low temperature	Demonstration of Kurfri Himalini under Cold Arid	Variety	Kurfri Himalini	CPRI, Shimla	Potato	100kg	4000	05	20000	Yield (q/ha)	Dr. Kunzang Lamo Dr. Feroz Din Sheikh and Dr. Jigmet Laskit
		Broccoli	Bolting and loose heads	Demonstration on Performance of broccoli Hybrid Fantasy	Hybrid	Fantasy	Clause Vegetable Seeds	Seedlings and technology	100 seedlings	100	06	600	Yield and quality	Dr. Kunzang Lamo Dr. Feroz Din Sheikh and SDr. Jigmet Laskit
		Beetroot	bolting	Demonstration on performance of Beetroot.	hybrid	Red Express 505	Nutech	Seeds	10g	150	5	750	Uniformity in size and yield	Dr. Kunzang Lamo Dr. Feroz Din Sheikh and SDr. Jigmet Laskit
		Apricot	Difficult to collect, Low quality due to unscientific harvest practices	Apricot Harvest Net			SKUAST-K Leh	Apricot Harvest Net	One Apricot Harvest Net net	1500	50	75000	Quality retention and production increase	All SMS/PA

9.7	Livestock	Dairy cattle	Unhygienic milk production and occurrence of mastitis	Demonstration on Clean milk production by use of potassium permanganate (KMnO ₄) And Portable Milking Machine	Crossbred cattle			potassium permanganate	600 grams	900	3	2700	Milk quality, milk composition	Dr Feroz Din Sheikh, DrSabiya Asmat, Mr. RigzinSafal , PA
		Sheep and Goats	Lack of Knowledge about dosing (deworming)	Dosing Demonstration on Livestock (Two times after 6 months)	Sheep and Goat	Changthangi and Malra, Malluk	SKUAST-K	Albendazole, Fenbendazole and Oxytocin	1 litre	1200	3	3600	Production and Parasitic load	Dr Feroz Din Sheikh, DrSabiya Asmat, Mr. RigzinSafal , PA
9.8	Fisheries													
9.9	Others													
	PHT													

10 Training for Farmers/ Farm Women during 2023-24

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/R refinement/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production							
10.2	Horticulture Production							
		All vegetables		Assessment	Seed production in vegetable crops	2	60	Dr. KunzangLamo and Dr. Jigmet Laskit
					Promising technologies for veg. production in Ladakh	2	55	Dr. KunzangLamo, and Dr. Jigmet Laskit
				Assessment	Protected cultivation for year round vegetable cultivation	2	60	Dr. KunzangLamo, and Dr. Jigmet Laskit
				FLD	Storage concepts and storing vegetables for winter	2	60	Dr. KunzangLamo, and Dr. Jigmet Laskit
					Organic Farming	2	60	Dr. KunzangLamo and Dr. Jigmet Laskit
					Micro Irrigation	2	80	Dr. KunzangLamo and Dr. Jigmet Laskit
					Nursery raising	2	75	Dr. KunzangLamo and Dr. Jigmet Laskit
10.3	Livestock Production							
		Livestock	Scarcity of feed and fodder	Assessment	Silage Making and Feeding in Ladakh Condition	2	25	Dr Feroz Din Sheikh, Dr Sabiya Asmat, Mr. RigzinSafal , PA
		Livestock	Scarcity of feed and fodder	Assessment	Complete feed Making and Feeding in Ladakh Condition	2	25	Dr Feroz Din Sheikh, Dr Sabiya Asmat, Mr. Rigzin Safal , PA
		Livestock	Lack of Knowledge	Assessment	Housing Management of Livestock in Ladakh Condition	2	25	Dr Feroz Din Sheikh, DrSabiyaAsmat, Mr. RigzinSafal , PA
		Poultry	Lack of Technology for Poultry Farming in Ladakh Condition.	Assessment	Alfa Alfa Poultry rearing Model for Ladakh conditions	2	15	Dr Feroz Din Sheikh, SabiyaAsmat, Mr. RigzinSafal , PA
		Dairy	Lack of	Assessment	Value addition of Milk	2	25	Dr Feroz Din Sheikh, Mr.

		cattle	Awareness and Technical Know how		and milk products			Rigzin Safal , PA
		Dairy Cattle	Low conception rate	Assessment	Artificial Insemination Technology in Dairy Cows.	2	25	Dr Feroz Din Sheikh, Mr. Rigzin Safal , PA
		Livestock	Management of Livestock during winter	Assessment	Management of Dairy animals during winter season.	2	15	Dr Feroz Din Sheikh, Mr. Rigzin Safal , PA
10.4	Home Science							
	Value addition	Millets and Barley	Lack of knowledge about different value added products out of barley and Millets as well as ignorant about nutrient content in locally grown foods.	On farm/ Off farm	Preparation of different products from Millets and Barley	1x3	60	Dr. Sabiya Asma, Rigzin Safal
	Value addition	Apricot	Un aware about Standard ratio of ingredients used in processing of Apricots	On farm/ Off farm	Value addition of Apricot	1x3	60	Dr. Sabiya Asma
	Value addition	Mushroom	Lack of knowledge about different value added products out of Mushrooms, beetroot and pumpkin	On farm/ Off farm	Value addition of Mushroom	1	20	Dr. Sabiya Asma
	Value addition	Beetroot		On farm/ Off farm	Value addition of beetroot	1	20	Dr. Sabiya Asma
	Value addition	Pumpkin		On farm/ Off farm	Value addition of pumpkin	1	20	Dr. Sabiya Asma
10.5	Plant Protection							
		Wheat/ Plant Pathology	Yellow Rust and Loose smut of Wheat		Management of Yellow Rust and Loose smut in Wheat	2	50	Jigmat Laskit , PA (Ento), Dr stanzin Dorje
		Vegetables/Pathology and Entomology	Diseases and insect infestation		Integrated Pest Management in vegetables	3	50	Jigmat Laskit , PA, Dr Stanzin Dorje
		Onion Maggot infestation	Lack of Know how		Organic Management of Onion Maggot	2	50	Jigmat Laskit , PA (Ento.)and Dr Stanzin Dorje
		Mushroom	Lack of		Mushroom cultivation	2	60	Dr. Stanzin Dorje,

		om/Pat hology	Awareness and Technical Know how					Jigmet Laskit(PA)
10.6	Producti on of Inputs at Site							
10.7	Soil Health and Fertility							
10.8	PHT and value addition							
10.9	Capacity Building Group Dynamic s							
10.1 0	Farm Mechani zation							
10.1 1	Fisheries Producti on Technolo gies							
10.1 2	Mushroo m producti on				Mentioned above			
10.1 3	Agro forestry							
10.1 4	Bee Keeping							
10.1 5	Sericultu re							
	Others, pl. specify							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

11. Training for Rural Youth during 2023-24

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement /FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production							
11.2	Horticulture Production			Assessment/ FLD	Storing vegetables for winter and seed production in Ladakh	1	30	DR. Kunzang Lamo
				Assessment/ FLD	Vegetable cultivation on commercial scale	1	25	Dr. Kunzang Lamo
					Organic and Natural farming	1	25	Dr. Kunzang Lamo
11.3	Livestock Production			Assessment/ FLD	Sheep and Goat Farming	1	25	Dr Feroz Din Sheikh
11.4	Home Science	Sea buckthorn	Un aware of latest processing methods	On farm/Off farm	Processing of Sea buckthorn	1x2	40	Dr Sabiya Asmat
	Home Science value addition			Off farm	Processing and value addition of Milk and milk products	1x1	40	Dr Sabiya Asmat
		Milk						
		Locally grown vegetables		On farm/Off farm	Drying and Pickling			Dr Sabiya Asmat
		Tomato		On farm/Off farm	Processing of tomato	1x2	40	Dr Sabiya Asmat
		Awareness Programme	Lack of Knowledge about Health	On farm/Off farm	Awareness Programme on Women and Child Health and Hygiene related issues	1x2	40	Dr Sabiya Asmat
11.5	Plant Protection			Assessment	Organic Managemnt	1	25	Jigmet Laskit (Prog. Astt Ento.)

					of Onion Maggot			Dr Stanzin Dorje
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies							
11.12	Mushroom production	Mushroom/ Plant Pathology	Lack of Technical Know/How		Promotion of mushroom cultivation in cold arid region	2	60	Jigmet Laskit/Dr Stanzin
11.13	Agro forestry							
11.14	Bee Keeping							
11.15	Sericulture							
	Others, pl. specify							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

12 Trainings for Extension Personnel during 2023-24

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production				
12.2	Home Science	Busting Socio- culture Believes and myth regarding women's health by giving scientific reason	1 day	25	Dr. Sabiya Asmat
		Method Demonstration on Healthy snacks for mother and children	1 day	25	Dr. Sabiya Asmat
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture				
		Importance of pollinators in agriculture	1	25	Dr. Kunzang Lamo
12.5	Livestock Production & Management				

12.6	Plant Protection	Role of Biopesticides in the Management of Insect Pests of horticultural crops.	1	25	Jigmet Laskit
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				
12.12	Soil Science				
	Capacity Building Group Dynamics				

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

13. Vocational trainings during 2023-24

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production						
13.2	Home Science	Vocational Training for farm women on food processing	7 days	women youth	20		Dr Sabiya Asmat
		Vocational Training for rural youth on Bakery products	3days	women youth	20		Dr Sabiya Asmat
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Vegetable seed treatment	1 (3 days)	Women SHGs/ Farmers and youths	30		Dr. kunzang Lamo
		Nursery raising and management	1 (3 days)	Women SHGs/ Farmers and youths	30		Dr. kunzang Lamo
13.5	Livestock Production &						

Action Plan Proforma 2023-24, Zone I, Ludhiana

	Management						
13.6	Plant Protection						
		Cultivation of Dhingri Mushroom and Spawn Production	1 (3 Days)	Rural Youth	20	-	Dr. Stanzin Dorjey/ Jigmat Laskeet (P.A)
		Seed and soil treatment with bio-control agent <i>Trichoderma</i>	1 (1 Day)	SHGs, Rural Youth and Womens	40	-	Dr. Stanzin Dorjey/ Jigmat Laskeet (P.A)
13.7	Farm Mechanization						
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture						
13.11	Fisheries						
13.12	Soil Science						

* Training title should specify the major technology/skill to be transferred.

14.Sponsored trainings during 2023-24

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production						
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture						
14.5	Livestock Production & Management	Sheep and Goat farming	4 (4 days)	Farmers, Youth, Line Dept	25	DST Sheep and Goat	Dr Feroz Din Sheikh DrSabiyaAsmat
14.6	Plant Protection						
		Mushroom cultivation	3 (3 Days)	SHGs	60	DST Seed ITI Project	Dr. Vikas Gupta, Dr. Stanzin Dorjey
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

* Programme title should specify the major technologies/skills to be transferred /refreshed.

15. Extension programmes during 2023-24

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	Weekly basis		
15.2	Diagnostic visits	Need based		PCs and SMSs
15.3	Field Day	10	60	PC, SMS and Pas
15.4	Group discussions	Need Based		
15.5	KisanGhoshi	4	600 appx	PC , SMS and PAs
15.6	Film Show			
15.7	Self -help groups			
15.8	KisanMela	1	300	PC , SMS and Pas
15.9	Exhibition	3		PC, SMS and Pas
15.10	Scientists' visit to farmers field	Need Based		
15.11	Plant/Soil health/Animal health camps	6	250	SMS (Soil Sc, Animal Sc) and PAs
15.12	Farm Science Club			
15.13	Ex-trainees Sammelan			
15.14	Farmers' seminar/workshop			
15.15	Method Demonstrations	10	150	PC and SMS
15.16	Celebration of important days	5 (World Veterinary Day, World Environment Day, World Soil Day, World Food Day, International biodiversity Day)	250	PC, SMS and Pas
15.17	Special day celebration	Nutrition Month, KissanDiwas, MahilaKissanDiwas, SwachthaPakhwada etc.	200	
15.18	Exposure visits	2	80	
15.19	Technology week,			
15.20	FFS			
15.21	Farm innovators meet			
15.22	Awareness programs			
15.23	SAC Meeting	1	150	All staff of KVK
15.24	Soil Sampling and Analysis (Soil Health Card)		200 soil samples to be analyzed	

16. Activities proposed as Knowledge and Resource Centre during 2023-24**16.1 Technological knowledge**

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria			
16.1.2	Demonstration Units	1. Mushroom Demonstration unit 2.Compost Unit	01 each	Dr. Kunzang Lamo and Jigmat Laskeet , PA
	Demonstration Units	1. Mushroom Demonstration unit 2.Vermi Compost Unit 3. Dairy Unit 4. Changthangi Sheep Unit 5. Poultry Unit	01 each	Dr Feroz Din Sheikh Dr. Kunzang Lamo Jigmat Laskit Mr. Rigzin Safal
16.1.3	Lab Analytical services			
16.1.4	Technology Week			

16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2019-20	Names of the team members involved
16.2.1	Seeds	Spawn	2 qtl (40,000)	Dr. Stanzin Dorjey
16.2.2	Planting materials			
		Vegetable Seedlings		DrKunzang /Lamo, Mr. Rigzin Safal, Ms Jigmet Laskit
16.2.3	Bio-products			
16.2.4	Livestock strains			
	Livestock strains	Changthangi Sheep, Changthangi Goat, Jersey Cattle, Vanraja Bird.		
16.2.5	Fish fingerlings			

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	Establishing BIO-CONTROL lab	Dr. Kunzang Lamo, Jigmat Laskeet , PA
	Horticulture	Recommendation to manage severe pest on apricot, apple and Grapes	Dr. Kunzang Lamo and Jigmat Laskeet , PA
	Animal Husbandry	Complete Feed, Silage, RFID Tagging, Elite Changthangi Rams, Portable Automatic Milking machine, Alfa Alfa Poultry Model,	Dr Feroz Din Sheikh DrSabiyaAsmat DrKuzangLamo
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify		
16.3.2	Literature/publication	12	PC and All SMSs
16.3.4	Electronic Media		
16.3.5	Kisan Mobile Advisory Services	Weekly	PC and All SMSs
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion.	

17. Additional Activities Planned during 2023-24

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1					

18. Revolving Fund**18.1 Financial status**

Opening balance as on 01.04.202 (Rs.in Lakh)	Expenditure incurred during 2022-23 (Rs.in Lakh)	Receipts during 2022-23 (Rs.in Lakh)	Closing balance as on 31.03.2023 (Rs.in Lakh)
793167.01	270100.00	521085.00	1044152.01

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Production of willow and poplar sapling			
18.2.2	Production of Alfalfa	50qtsl	60,000	Dr. Feroz Din, Mr. Rigzin Safal

	(Fodder)			
18.2.3	Vegetable Seedling	2.25 lakh seedlings	67,000	Dr Kunzang Lamo, Mr Rigzin Safal Jigmet Laskit
18.2.4	Vegetable Production	50 qtls	2,00,000	Dr Kunzang Lamo, Mr Rigzin Safal, Jigmet Laskit
18.2.5	Mushroom /Spawn Production	2 qtls	40,000	Dr. Stanzin Dorjey, Dr Kunzang Lamo, Mr Rigzin Safal

19. Activities of soil, water and plant testing laboratory during 2023-24

Sl.No.	Type	No.of samples to be analyzed	Names of the team members involved
19.1	Soil	200 samples	
19.2			
19.3			
19.4	Others		

20. E-linkage during 2023-24

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared		
20.2	Creation and maintenance of relevant database system for KVK		
20.3	Any other (Please specify)		
20.4			

21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any
21.1		
21.2		

22. Innovative Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	Yes/ No: No
22.2	If Yes likely month of the meet	
22.3	Brief action plan in this regard	

23. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1			

24. Budget - Details of budget utilization (2022-23 up to 31 March 2023(Rs.))

S. No.	Head	Revised Budget 2022-23			Expenditure upto 31-12-2022		
		Other than NEH & TSP	TSP	Grand Total	Other than NEH & TSP	TS P	Grand Total
1	2	3	4	5			
	Grants for creation of Capital Assets (CAPITAL)						
1	Works						
	A. Land	0	0	0	0	0	0
	B. Building	0	0	0	0	0	0
	i. Office building	0	0	0	0	0	0
	ii. Residential building	0	0	0	0	0	0
	iii. Minor Works	0					
2	Equipments	2,30,000.00					

3	Information Technology	0					
4	Library Books and Journals	0					
5	Vehicles & Vessels	0					
6	Livestock	0					
7	Furniture & fixtures	0					
8	Others	0					
	Total – CAPITAL (Grants for creation of Capital Assets)	2300000					
	Grants in Aid - Salaries (REVENUE)						
1	Establishment Expenses						
	Salaries						
	i. Establishment Charges	1,35,00,000.00		1,35,00,000.00	1,17,31,009		1,17,31,009
	ii. Wages	0	0	0	0	0	0
	iii. Overtime Allowance	0	0	0	0	0	0
	Total – Establishment Expenses (Grant in Aid - Salaries)	1,35,00,000.00		1,35,00,000.00	1,17,31,009.00		1,17,31,009.00
	Grants in Aid - General (REVENUE)						
1	Pension & Other Retirement Benefits				0	0	0
2	Traveling Allowance				0	0	0
	A. Domestic TA / Transfer TA	1,00,000.00			14,562.00	0	14,562.00
	B. Foreign TA	0.00	0.00	0.00	0	0	0
	Total – Traveling Allowance	1,00,000.00			14,562.00	0	14,562.00

3	Research & Operational Expenses						
	A. Research Expenses		3.75			115286.00	115286.00
	B. Operational Expenses		3.75			419376	419376
	C. Infrastructure (Rent, Electricity, Water charges, Veh running expenses, insurance)		1.25			18996	18996
	D. Communication (Postage and telephone)		0.20			70	70
	E. Others (excluding TA) (Printing and stationary consumable, Advertising, Legal professional charges)		1.50	12.50		52533	52533
	F. Publicity & Exhibitions		0			0	0
	G. Guest House - Maintenance (recurring only)		0			0	0
	H. Other Muscellaneous		1.50			38941.00	38941.00
	I. Repair & Maintenance						
	i. Equipments,		0.25			18542.00	18542.00

	Vehicles & Others						
	ii. Office building		0.30				
	iii. Residential building		0.00				
	Revolving Fund	0.00	0.00				
	Total -Recurring Contingencies		12.50			663744.00	663744.00
	Total Grants in Aid - General (RC + TA)		13.50			678306.00	678306.00
	Grand Total (Capital + Salary + General)		148.50			11321776.00	11321776.00

25.Details of Budget Estimate (2023-24) based on proposed action plan

S. No.	Head	Budget Estimated Proposed		
		Other than NEH & TSP	TSP	Grand Total
	Grants for creation of Capital Assets (CAPITAL)			
1	Works			
	A. Land			
	B. Building			
	i. Office building			
	ii. Residential building			
	iii. Minor Works			
2	Equipments			
3	Information Technology			
4	Library Books and Journals			
5	Vehicles & Vessels	15.00		15.00
6	Livestock			
7	Furniture & fixtures			
8	Others			
	Total – CAPITAL (Grants for creation of Capital Assets)	15.00		15.00
	Grants in Aid - Salaries (REVENUE)			
1	Establishment Expenses			
	Salaries			
	i. Establishment Charges	250.00		250.00
	ii. Wages			
	iii. Overtime Allowance			
	Total – Establishment Expenses (Grant in Aid - Salaries)			
	Grants in Aid - General (REVENUE)			
1	Pension & Other Retirement Benefits			
2	Traveling Allowance			
	A. Domestic TA / Transfer TA	1.0		1.0
	B. Foreign TA			

Action Plan Proforma 2023-24, Zone I, Ludhiana

	Total – Traveling Allowance			
3	Research & Operational Expenses			
	A. Research Expenses	3.75		3.75
	B. Operational Expenses	3.75		3.75
	C. Infrastructure (Rent, Electricity, Water charges, Veh running expenses, insurance)	1.25		1.25
	D. Communication (Postage and telephone)	0.20		0.20
	E. Others (excluding TA) (Printing and stationary consumable, Advertising, Legal professional charges)	1.50		1.50
	F. Publicity & Exhibitions	0		0
	G. Guest House - Maintenance (recurring only)	0		0
	H. Other Miscellaneous	1.50		1.50
	I. Repair & Maintenance			0.25
	i. Equipments, Vehicles & Others	0.25		0.30
	ii. Office building	0.30		
	iii. Residential building			
	Revolving Fund			
	Total -Recurring Contingencies			
	Total Grants in Aid - General (RC + TA)	12.25		12.25
	Grand Total (Capital + Salary + General)	130.50		130.50