KRISHI VIGYAN KENDRA AMBALA

ACTION PLAN -2023

SOCIETY FOR CREATION OF HEAVEN ON EARTH

Krishi Vigyan Kendra,Village Tepla,

Post Saha,District Ambala (Hry.)

INDEX

DETAILS OF ACTION PLAN OF KVKs DURING 2023

(1st January 2023 to 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KRISHI VIGYAN KENDRA Vill. Tepla, Post Saha District Ambala-133 104 (Haryana)	Office 0171-2822522	FAX 0171-2822522	kvkambala@gmail.com	ambala.kvk2.in

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

Address	Telephone		E mail	Website
	Office	FAX		
SOCIETY FOR CREATION OF HEAVEN ON EARTH Camp Office: KRISHI VIGYAN KENDRA Vill.Tepla, Post Saha, District Ambala-133 104 (Haryana)	0171-2822522 Mob. No. 9810087383	0171-2822522	bakshi.akhil@gmail.com	ambala.kvk2.in

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 46812

1.2.d Status of ICT lab at your KVK : N.A.

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. (Mrs.) Upasana Singh	0171-2822522	8295406560	upasanasinghrathee@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 15 December, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. (Mrs.) Upasana Singh	Senior Scientist & Head	Home Science	--	14	177400	04.08.08	Permanent	Gen.	8295406560	upasanasinghrathee@gmail.com	
2	Subject Matter Specialist	Dr. Ramesh Kumar	SMS(Agril. Extension)	Agricultural Extension	--	11	85800	14.08.08	Permanent	Gen.	9017975976	rameshjhorar@rediffmail.com	
3	Subject Matter Specialist	Er. Guru Prem*	SMS (Soil & Water Management)	Soil & Water Mgt.	--	11	85800	28.11.09	Permanent	Gen.	9416355892	gpgrover79@gmail.com	
4	Subject Matter Specialist	Dr.Vikram Dhirendra Singh	SMS (Plant Protection)	Plant Protection	--	11	74000	12.06.14	Permanent	Gen.	8950235630	vdskvkambala@gmail.com	
5	Subject Matter Specialist	Dr.Amit Kumar	SMS (Horticulture)	Horticulture	--	11	71800	12.08.15	Permanent	Gen.	9991567854	amitbaliyan2009@gmail. com	
6	Subject Matter Specialist	Dr.Rajendra Kumar Singh	SMS(Agronomy)	Agronomy	--	10	63100	11.9.18	Permanent	Gen.	8948490351	rajanmpsingh@gmail.com	
7	Subject Matter Specialist	Dr. Rajan Mishra	SMS (Animal Science)	Animal Science	--	11	56100		Permanent	Gen.	9532422637	mishrarajan560@gmail.com	
9	Accountant/ Superinten-dent	Sh. Yogesh Kumar	Accountant	Accounts	--	6	37600	16.12.2020	Permanent	Gen.	7837724186	yogeshsandhu22@gmail.com	
9	Farm Manager	Sh. Abhay Kumar	Farm Manager	Agriculture	--	9	82600	08.12.97	Permanent	Gen.	9416113081	abhay9416113081@gmail. com	
10	Computer Programmer	Mrs. Meera Sharma	Computer Programmer	Computer	--	7	58600	01.04.08	Permanent	Gen.	9467677662	meerasharma1968@gmail. com	
11	Programme Assistant	Mrs. Kajal	Programme Assistant	Home Science	--		36500	23.12.21	Permanent	Gen.	7696948748	Kajalrana0808@gmail.com	
12	Steno-grapher	Sh. Charanjeet Singh	Steno	--	--	4	34300	16.02.12	Permanent	Gen.	8684070786	--	
13	Driver	Sh. Shyam Lal	Driver-cum-Mechanic	Jeep	--	4	30500	16.02.12	Permanent	SC	9466331139	--	
14	Driver	Sh. Sandeep Kumar	Driver-cum-Mechanic	Tractor	--	4	22400	23.12.21	Permanent	Gen.	9729324461	--	
15	Supporting staff	Sh. Raman Kumar	Supporting Staff	--	--	2	34000	27.05.96	Permanent	Gen.	9416847720	--	
16	Supporting staff	Sh. Karamjit Singh	Supporting Staff	--	--	2	32000	12.08.02	Permanent	SC	8901188631	--	

***** Er. Guru Prem is on Study Leave w. e. f. 1.8.2021.

1	Agromet Observer (DAMU Project)	Miss Vishu	Agromet Observer	--	--	3	21700	11.11.20	Contractual	SC	7056033522	Vishubrar666@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.4
2.	Under Demonstration Units	2.0
3.	Under Crops	9.0
4.	Horticulture	4.0
5.	Pond	--
6.	Farm Roads & Drainage	1.0
7	Integrated Farming System	1.0
	Total	**18.4**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	**Administrative Building**	ICAR	1997-98	662.67	1783000 837000	--	--	--
2.	**Farmers Hostel**	ICAR		311.13		--	--	--
3.	**Staff Quarters (6)**	--	--	--	--	--	--	--
4.	**Demonstration Units (2)**			539.26	1005000	--	--	--
	Poultry	ICAR	1997-98	50.96	--	--	--	--
	Goatry	ICAR	1997-98	89.30	--	--	--	--
	Piggery	ICAR	1997-98	364.0	--	--	--	--
	Mushroom	ICAR	1997-98	35.0	--	--	--	--
	Vermi Compost	ICAR	2005	35.0	--	--	--	--
	Azolla	--	2019	--	13000			
9	**Fencing**	ICAR	1997-98	254.40	238000	--	--	--
10	**Rain Water harvesting system**	--	--	--	--	--	--	--
	Threshing floor	--	--	--	--	--	--	--
	Farm godown	ICAR	1997-98	300 sq.m	300000	--	--	--
	IFS	ICAR	2010	1 ha	64000	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	March,2017 August,2019 (CRM) August,2020 (Ex-situ)	5,98,292.00 6,45,000.00 --	1363 1689 293	Good Good Good
Jeep	March,2017	6,71,361.00	106440	Good
Motor cycles(2)	2009-10 2009-10	Both Motor cycles were provided by Society for Extension work	67839 29933	Poor

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
I. Agricultural Machinery / Implements			
Tractor	2016-17	598291	Good
Trolly	2016-17	155000	Good
Happy Seeder (2)	2016-17	112000	Good
	2019-20	140000	Good
Sub-soiler	2015-16	7800	Good
Seed Treatment Drum	2012-13	4679	Good
Laser Land Leveler alongwith Disc Harrow	2011-12	398900	Good
M. B. Plough (2)	2011-12	18025	V.Poor
Cultivator 11 tine for Rice-Wheat	2011-12	17000	V.Poor
Cultivator/ Weeder for Sugarcane weeding	2011-12	13800	Poor
Trench Digger	2010-11	19800	V.Poor
Seed Drill (9 Rows)- 2	1996-97	16500	V.Poor
Disc Plough	1996-97	10500	V.Poor
Welding Set	1997-98	9706	V.Poor
Happy Seeder -2	2018-19	331520	Good
Chopper/Shredder/Mulcher -4	2018-19	370000	Good
	2019-20	270000	Good
Zero Till Drill -4	2018-19	227360	Good
Reversible M B Plough-3	2018-19	195000	Good
	2019-20	300000	
Cutter cum spreader/Shrub Master -1	2018-19	44800	Good
Rotavator (2)	2019-20	210000	Good
II. A.V. Aids			
LED	2016-17	23500	Good
LCD Projector & Camera	2006-07	85000	Poor
PA System & Speakers	2015-16	23975	Good
Display board, stand, Magazine stand etc.	2015-16	10000	Good
III.Office –cum-Lab Furniture/ Equipment			
A.E-extension			
Computer UPS (2 Nos.)	2016-17	73500	Good
Printer (1)	2016-17	15500	Good
Hard disk, Modem & Wi-fi Router	2016-17	13530	Good
HP Laptop	2018-19	32000	Good
HP Printer	2018-19	12500	Good
HP Desktop with LED	2018-19	21000	Good
Hard disk (1 TB)	2018-19	3800	Good
B. Lab Equipment			
Mridaparishak (1)	2016-17	90300	Refill not available
Spectro Photmeter	2009-10	886970	Poor
Flame Photometer	2009-10	44300	Satisfied
PH Meter	2009-10	6940	Satisfied
Conductivity meter	2009-10	15957	Satisfied
Physical Balance	2009-10	10406	Satisfied
Chemical Balance	2009-10	78750	Satisfied
Water still	2009-10	69620	Satisfied

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Kjeldahl unit	2009-10	43132	V.Poor
Shaker	2009-10	26438	Satisfied
Refrigerator	2009-10	21200	Satisfied
Oven	2009-10	34875	Poor
Hot Plate	2009-10	2250	Satisfied
Grinder	2009-10	18562	Satisfied
Chemicals & Glass ware	2009-10	66980	Satisfied
C.Basic Plant Health Diagnostic Facility /Lab			
Microscope	2009-10	198191	Satisfied
Hot Air Oven Incubator and autoclave	2009-10	156203	Poor
Kent RO with accessory	2009-10	23400	Satisfied
Oven	2009-10	7190	Satisfied
Refrigerator Camera	2009-10	53200	Satisfied Very Poor
Laminar air flow and table desk	2009-10	122496	Satisfied
Thermo hygrometer and heating mantle	2009-10	2374	Satisfied
Inverter	2009-10	23600	Poor
Balance	2009-10	53550	Satisfied
Magnetic stirrer	2009-10	3793	Satisfied
Almirrah	2009-10	17700	Satisfied
Furniture	2009-10	12375	Satisfied
Glass & Plastic ware/Chemicals	2009-10	73515	Satisfied
Light Trap	2009-10	5400	Satisfied
IV. Hostel /Furniture & Fixture			
Round chairs (15)	2016-17	18666	Good
Centre Tables (2)	2016-17	9619	Good
Arm Chair (2)	2016-17	5656	Good
Office Chairs (10)	2018-19	27730	Good
Office Table	2018-19	4848	Good
Cup Board	2018-19	10148	Good
Computer Tables (2)	2016-17	4525	Good
Coolers (6)	2016-17	61800	Good
Sofa Cushions (4)	2016-17	11765	Good
Hostel Utensils & other items etc.	2016-17	11930	Good
Furniture(Lab chair, Matters,Water Cooler, RO, Stablizer,Invertor,Curtain etc.)	2015-16	447988	Good
Inverter with 2 Batteries	2018-19	21600	Good
Spilit AC Hitachi with Stablizer	2018-19	42800	Good
Almira Godrej	2018-19	19000	Good
Brooders	2018-19	6372	Good
Rehri	2018-19	8800	Good
III. IFS			
Solar Lights	2016-17	97600	Good

1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	29-04-2022

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rice-Wheat
2	Rice-Sugarcane-Wheat
3	Rice-Potato-Rabi onion/Maize
4	Wheat-Summer Moong-Rice
5	Dairy Farming, Piggery, Goatery, Poultry & small scale household enterprises

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Dry-sub Humid Zone of Haryana State **South-West Part similar to dry-sub-humid Zone**	Annual average rainfall is 1000 mm/yr.(app.) Source of irrigation – Tubewell (85%) & canal (15%)
2	North-East Part almost similar to Sub-Humid Sutlej Ganga Alluvial Plain Zone and falls under Shivalik foot-hills area	Ground Water Status – Dark Zone Temperature range - 2^0C – 45^0C

b) Topography

S. No.	Agro ecological situation	Characteristics
1	**Agro ecological situation**	**Characteristics**
2	The land use pattern in Ambala district indicates that 0.74% of its total geographical area (1, 53, 171 ha) is under forest and about 88% of the total geographical area is cultivable area. Out of total geographical area about 86% is net sown area and the net irrigated area is approximately 98% i.e. 128590 ha (canal-14.4% and tubewell-85.6%)	Rice, Wheat and Sugarcane are the dominating crops which accounts for 62%, 66% and 8% respectively of the total sown area. About 10-12% of the total net sown area comes under the cultivation of horticultural crops (fruit, vegetables, flowers, spices and medicinal crops). The trend of cultivation of Agro-forestry crops is also increasing day by day and up to the end of this financial year, about 3.32% area of cultivated land has already been covered by these crops. The productivity of most of the crops in the district is slightly higher than the state average except in case of wheat and oilseeds. Pulses and oilseeds occupy a very small area in the district. Livestock rearing has been an important component of the farming system in the district. The main source of dairy products in the district is buffalo & cow milk. Piggery & Poultry other important enterprises in district.

KVK Latitude 30^0 18' 20" N 76^0 55' 46" E Mean Sea level = 265 mtr.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
	South – West part		
1	Ustifluvent	Very deep well drained coarse loamy calcareous stratified soils with loamy surface on nearly level plain. Slightly eroded, subject to slight flooding associated with slight salinity	Block : Ambala-I (~ 50400 ha)
2	Typic & Fluventic Ustrochepts	Very deep moderately well drained fine loamy calcareous soils with loamy surface on nearly level plain lightly saline, slightly sodic moderately flooded, gently sloping plain with slight erosion in some areas	Block: Ambala-II (~ 13100 ha)
	North-East part		
1	Typic Ustifluvent	Stratified coarse loamy soil with loamy surface on nearly level plain slightly eroded, slightly sodic subject to slight flooding. Associated with very deep well drained calcareous stratified coarse loamy soils with loamy surface	Block: Saha (~ 15300 ha)
2	Ustifluvent	Very deep well drained coarse loaming calcareous stratified soils with loamy surface on very gently sloping plain moderately eroded slightly sodic sandy soils	Block: Naraingarh & 40% part of Block Barara & 60 % Shahzadpur (~39000 ha)
3	Udic Ustrochepts	Very deep moderately well drained fine loamy soil with loamy surface on nearly level plain slightly eroded	60% part of Block Barara & 40 % Shahzadpur (~17200 ha)

2.4. Area, Production and Productivity of major crops cultivated in the district (2021)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Rice	85,000	27,70,0000	32.58
2	Wheat	88,000	41,80,0000	47.50
3	Sugarcane	11,500	83,00,0000	721.73
4	Maize	100	5,000	54.54
5	Rabi Oilseed	3,100	60,000	20.57
6	Rabi Pulses	1,000	10,000	10.0
7	Kharif Pulses	1,000	10,000	10.0
8	Kharif Oilseeds	100	1,000	10.0
9	Sunflower	2,800	57,000	20.35
	Total	1,92,600	1,43,000	
II	**Horticulture crops**			
I	Fruits			
1	Mango	1432.9	10122	7.063996
2	Guava	560.1	10888	19.43939
3	Citrus	59	802	13.59322
4	Aonla	12	356	29.66667
5	Chiku (Sapota)	184	722	3.923913
6	Peach	23	252	10.95652
7	Pear	25	364	14.56
8	Plum	14	84	6
9	Ber	4	62	15.5
10.	Litchi	29.4	288	9.795918
11.	Water melon	152	2056	13.52632

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
12.	Muskmelon	178	1604	9.011236
14.	Bael	3	12	4
15.	Pomegranate	2	20	10
16.	Others	122	1552	12.72131
	Total	2798.4	29184	10.42882
III	**Vegetable crops (March-December,2020)**			
1	Potato	3610	95724	26.51634
2	Onion	3120	55362	17.74423
3	Tomato Open Tomato Protected cultivation	910 1	25856 178	28.41319 178
4	Radish	1944	53838	27.69444
5	Carrot	1614	37832	23.4399
6	Cabbage	115	1954	16.9913
7	Cauliflower	2740	46000	16.78832
8	Green Chillies	370	2578	6.967568
9	Capsicum Capsicum (Protected cultivation)	906 4	17969 2130	19.83223 532.5
10	Bhindi	1028	9240	8.988327
11	Brinjal	256	4154	16.22656
12	Peas	836	11582	13.85407
13	Leafy vegetables	4274	62412	14.60271
14	Cucurbits			
	i) Bottle gourd	1076	13570	12.61152
	ii) Ridge gourd /Sponge Gourd	326	5344	16.39264
	iii) Cucumber iv) Cucumber (Protected cultivation)	126 32	526 2622	4.174603 81.9375
	v) Pumpkin	82	1834	22.36585
	vi) Bitergurd	291	2700	9.278351
15	Others	2976	42290	14.21035
	Total	**26637**	**495694**	**18.60923**

Source: Agriculture Department & Horticulture Department, Ambala)

2.5. Weather data (2021-22)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April, 21	25.2	35.1	18.4		
May,21	39.7	35.9	22.2		
June,21	67.0	37.1	25.8		
July,21	298.8	35.0	27.1		
Aug.,21	94.6	34.1	26.5		
Sept., 21	154.2	32.9	25.3		
Oct.,21	38.2	31.6	20.8		
Nov., 21	0	27.09	12.36		
Dec.21	0	21.48	8.81		
Jan.,22	143.5	16.31	9.52		
Feb.,22	19.6	21.74	9.89		
Mar.,22	0	29.82	16.71		
Total					

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

Category	Population	Production	Productivity
Cattle	62,620	39,040 tons	5.8 Lit/D/Animal
Crossbred			
Indigenous			
Buffalo	2,15,341	1,64,607 tons	5.6 Lit/D/Animal
Sheep	13,468	21,634 kg. Wool 2,48,156.19 kg. Meet	--
Crossbred			
Indigenous			
Goats	7,616	5,13,100 kg Milk 4,56,230 kg. Meet	--
Pigs	5,096	3,03,520 kg. Meet	58.40 kg./Pig
Crossbred			
Indigenous			
Horse pony	1527	--	--
Mules	187	--	--
Donkeys	26	--	--
Dogs	10305	--	--
Rabbits	1,126	--	--
Hens	7,09,110	258038700 Eggs	327300 kg. Chicken
Fish			
Ponds	370.14 ha (Area)	1932.5 ton	5.14 /ha
Notified waters (Rivers etc.)	--	200 ton	--

*Statical report

**Population data are collected after five years* (Source : Department of Animal Husbandry, Ambala)

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Barara	Saha	Phulelmajra Akbarpur ,Tepla Bihta ,Saha, Dhurala,Goli Hamidpur,Landha Jawahargarh Samelhari,Haldari Sambhalkha Paplotha Allahpur	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
		Langar-channi Laha Majra Chudiala, Chudiali Nagla,Mithapur Rampur,Hema-majra	Potato, Onion , Tomato & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & unjudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Unhygienic condition -Poor health & nutritional status -Non availability of vegetable seeds & lack of scientific knowledge for value addition of seasonal fruits & vegetables -Fatigue in performing household & field work	-Women empowerment through knowledge and skill upgradation -Promotion of Nutrition gardens -Processing & value addition -Drudgery reducing women friendly tools & technologie
	Ambala –II	Sapera Kardhan Khudda Ratenhari Kapoori Topkhana	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				-Insect- Pest & Disease occurrence	management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Unhygienic condition -Poor health & nutritional status	-Women empowerment through knowledge and skill upgradation
	Ambala-I	Durana. Kot-Kachhwa Machhaunda, Naggal, Dukheri Ugala , Jalbehra , Dhanaura , Mohra	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	
			Women Empowerment	-Unhygienic condition -Poor health & nutritional status	-Women empowerment through knowledge and skill upgradation
	Barara	Adhoi Dheen Ghelri Hamamajra Rajouli Tangail Thambar , Rajokheri Sadakpur, Jangu Majra, Manglore	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
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			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation
	Shahzad-pur	Pilakhani Bichpuri Kadasan Kodwa Neknama Racheri Salaula , Manakpur	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation
	Naraingarh	Badagarh Ballopur Panjlasa Gadoli Kurali Nanhera Bakhtua Badikodi Badholi Nabipur Ahmadpur Chazzalmajra Jolly, Banaundi Nagla Rajputan Sain Majra	Rice, Wheat, Sugarcane Oilseed & Pulses & Farm Machinery	Low Yield : -Traditional sowing & field preparation techniques -Low yielding old varieties -Low yield due to Rice-wheat cropping system -Sodicity hazards in soil -Insect- Pest & Disease occurrence	-Promotion of RCT to get high return -Integrated crop management -Crop diversification in rice-wheat cropping system through pulses -Soil Fertility Management -Enhancement of Crop productivity with nutrient, disease, pest & weed management
			Potato, Onion & other Vegetable & Fruit crops	Low yield in Horti. Crops due to: -Poor crop management techniques & injudicious use of inputs -Old Varieties -Poor net return due to sole crops -Insect- Pest & Disease occurrence	-Promotion of improved varieties, crop production & management technologies -Promotion of inter-cropping layout
			Livestock	-Low milk yield & mastitis -Low fodder yield : Old variety - Poor nutritional and management practices -Anoestrus, Repeat Breeding -Low egg production of desi/local undescript poultry birds -High mortality in growing age -Mineral deficiency -Low production from local/desi pig breeds	-Improvement in housing, feeding, breeding, fertility and other health management in dairy animals through knowledge up-gradation
			Women Empowerment	-Poor health &nutritional status	-Women empowerment through knowledge and skill upgradation

2.8 Priority thrust areas

Crop/Enterprises	Problem	Thrust Area
Rice, Wheat, Sugarcane, Maize Oilseed & Pulses & Farm Machinery	❖ Low Yield :Traditional field preparation techniques and high cost of cultivation ❖ Old varieties ❖ Low productivity -Rice-wheat cropping system ❖ Problematic soil & water ❖ Deterioration in soil properties ❖ Declining ground water table ❖ Insect- Pest & Disease occurrence	❖ Promotion of RCT to get high return ❖ Integrated Crop Management ❖ Crop Diversification in rice-wheat cropping system through Maize, pulses & Oilseed crops ❖ Soil Fertility Management ❖ Enhancement of Crop productivity with nutrient & weed management ❖ Promotion of Organic farming ❖ Crop Residue Management ❖ Improved irrigation systems and methods for water conservation ❖ Integrated Pest & Disease Management
Potato, Onion Tomato & other Vegetable & Fruit crops	❖ Low yield : -Poor crop management techniques -Injudicious use of inputs -Old varieties -Poor net return due to sole crops ❖ Insect- Pest & Disease occurrence	❖ Promotion of :Improved varieties Crop production & management techniques ❖ Promotion of :Inter-cropping layout ❖ Integrated Pest & Disease Management
Livestock	❖ Lean months scarcity of fodder /Low fodder yield: Old varieties ❖ Low & unhygienic milk production- Poor nutritional & management practices , Mastitis problem ❖ Anoestrus, Repeat Breeding ❖ Suboptimal production in Poultry birds , No improved breed/variety ❖ Suboptimal production of Piggery (Local breed, Nutritional Management)	❖ Improved Poultry Breeds -Improved Fodder varieties -Hydroponics ❖ Management in Dairy animals, Goat, Poultry, Pig through knowledge up-gradation
Women Empowerment	❖ Poor health & nutritional status	❖ Women empowerment through :Knowledge & skill up gradation ❖ Promotion of Nutritional gardens, Processing and value addition ❖ Improve Health, Hygiene & Sanitation

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	110	74	300

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
P.F. =34 R.Y.=05 E.F.=02	770 160 50	162	8074

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
Wheat – 100 qtl Paddy – 30 qtl. Sugarcane : 1500 qtl Lentil – 5 qtl.	3000	--	500

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	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.
A.	**Agronomy**							•	▪
1	**Varietal Evaluation**	Wheat		--	Bio-fortified variety of Wheat : DBW-303	Integrated Crop Management in Wheat	--	• Survey • Kisan Gosthi • Field day • FAS • Social Media	▪ Seed ▪ Pendimethalin
		Wheat		--	Bio fortified variety of Wheat : DBW-222	Integrated Crop Management in Wheat	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seed ▪ Pendimethalin
		Wheat		--	Bio fortified variety of Wheat : DBW-187	Integrated Crop Management in Wheat	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seed ▪ Pendimethalin
		Mustard		--	Bio fortified variety of Mustard : PM-33	Integrated Crop Management in Mustard	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seed ▪ Pendimethalin
		Lentil		--	Bio fortified variety of Lentil : L-4717	Integrated Crop Management in Lentil	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seed ▪ Pendimethalin
2	**Crop Diversification**	Millets	Decline ground water table	Diversification of Paddy through Millets crop	--	--	--	• Survey • Kisan Gosthi • FAS	▪ Seed
3	**Integrated Crop Management**	Urd			Integrated Crop Management in Summer Urd	Integrated Crop Management in Urd	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seed ▪ Pendimethalin30 EC – 2500 ml/ha
4	**Weed Management**	Maize		--	Weed Management in Spring Maize	Integrated Crop Management in Maize	--	• Survey • Kisan Gosthi • Field day • FAS	▪ Seeds ▪ Herbicides (Tembotrione)

S. No	Thrust area	Crop/ Enterprise	Identified Problem	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.
		Sun-flower	High cost of manual weeding	Weed Management in Sunflower	--	Integrated Weed Management in Sunflower	--	• Survey • Kisan Gosthi • FAS	▪ Finoxoprop Ethyl @ 37.5 g/ha
B.	**Plant Protection**							•	▪
1	**Integrated Disease Management**	Potato	Occurrence of Common Scab	Management of Common Scab disease in Potato	--	Integrated Disease Management of Common Scab in Potato	--	• Survey • Kisan Gosthi • Diagnostic Services • FAS	▪ Emisan – ½ kg.
		Tomato	Occurrence of Leaf curl	Management of Leaf curl disease in Tomato	--	Integrated Disease Management of Leaf curl in Tomato	--	• Survey • Kisan Gosthi • Diagnostic Services	Rogor - 1 lit.
		Chilli	Occurrence of Die back	Management of Diet back disease in Chilli	--	Integrated Disease management of Die back in Chilli	--	• Survey • Kisan Gosthi • Diagnostic FAS	▪ Blitox 50 WP % – 1kg ▪ Carbendazim 50 % WP-1/2 kg
2	**Integrated Pest Management**	Potato	Attack of Cut worm	--	Management of Cut worm in Potato	Integrated Pest Management of Cut worm in Potato	--	• Survey • Kisan Gosthi • Diagnostic Services	▪ Chlorpyriphos 20 % EC – 1 lit.
		Onion	Attack of Onion thrips	--	Management of Thrips in Onion	Integrated Management of Thrips in Onion	--	• Survey • Kisan Gosthi • Diagnostic Services	Cypermethrin 25% EC- 1 lit.
		Cabbage	Attack of Tobacco caterpillar	--	Management of Tobacco Cater pillar in Cabbage	Integrated Management of Tobacco caterpillar in Cabbage	--	Survey • Diagnostic Services FAS	Spinosad 2.5 % SC – 1 lit.
		Mango	Attack of Mango Mealy bug	--	Management of Mealy bug in Mango	Integrated Management of Mealy bug in Mango	--	• Survey • Kisan Gosthi • Diagnostic Services FAS	Quinalphos 25 %EC – 1 lit.

S. No	Thrust area	Crop/ Enterprise	Identified Problem	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.
C.	**Horticulture**								
1	**Integrated Crop Management**	Tomato	Low yield due to injudicious use of pesticides		Integrated Crop Management on Tomato	• Integrated Crop Management on Tomato	--	• Survey • Kisan Gosthi • Field Days FAS	Pendamethalin -Cypermethrin -Mencozeb
		Chilli	Low yield due to flower drops & leaf curl disease		Integrated Crop Management in Chilli (Flower drop)	--	--	• Survey • Kisan Gosthi • Field Days FAS	-Planafix & Imidachloropid -Phorate and Carbofunan
2	**Integrated Nutrient Management**	Potato	Low yield of Potato	Nutrient Management in Potato	--	Integrated Crop Management in Potato	--	• Survey • Kisan Gosthi • FAS	-Fertilizers -Biozyme
		Onion		Effect of Foliar application of Micro nutrients on yield of Onion	Integrated Nutrient Management in Onion	Integrated Crop Management in Onion	--	• Survey • Kisan Gosthi • Field Days • FAS	-ZnSo4 - FeSo4 - CuSo4
3	**Weed Management**	Potato	Poor Weed Management & un-recommended use of fungicides		Integrated Weed Management on Potato	Integrated Crop Management on Potato	--	• Survey • Kisan Gosthi • Field Days FAS	Pendamethalin @ 5 lit./ha Diethane (M-45) @ 1.5 kg/ha
4	**Varietal Evaluation**	Onion	Low yield		Improved variety of NHRDF Red-3	Integrated Crop Management on Onion	--	• Survey • Kisan Gosthi • Field Days	-Seed @ 10 kg/ha -Pendimethalin
		Onion	Low yield		Improved variety of NHRDF Red-4	Integrated Crop Management on Onion	--	• Survey • Kisan Gosthi • Field Days	-Seed @ 10 kg/ha -Pendimethalin

(C) Livestock

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	training for extension personnel	Extension activities	Supply of seeds, planting materials
1	**Production management**	Piglets	Poor growth & early mortality	Assessment of Post-biotic containing functional CHO on piglets performance & Immunity	--	Production and management of Piglets	-	-Survey -Gosthi -FAS	Post-biotic supplements (Metabolites with yeast culture and Enzymes)
		Cattle & Poultry	Suboptimal health & Production parameters	Assessment of Dietary (Electrolyte balance) diet to optimize production in poultry	1.Mastitis kits to control mastitis in cattle 2. Feeding of Hydroponics for growth perormance	Poultry production Enhance through Balance diet	-	-Survey -Gosthi -FAS	-DEB (Balancing supplements) Sodium Bicarbonate - Hydroponics unit set up
2	**Disease management**	Cattle	Mastitis disease	--	Mastitis kits to control mastitis in cattle	Management of Mastitis disease in cattle	--	-Survey -Gosthi -FAS -Health camp	Mastitis kit (Oral calcium and Vit. E supplemnts)
3	**Nutrition management**	Goat	Poor health and production due to nutritional deficiency	Introduction of herbal supplement for improving production and Reproduction	Mineral supplement & pre-biotics	To improve nutritional deficiency in Goat	--	-Survey -Lecture -FAS -Health camp	-Herbal supplements - Hydroponics unit set up

(D) Other Enterprises (Home Science)

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				OFT	Title of FLD if any	Title of Training if any	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
1	**Women empowerment**	Women & Child HealthCare	-Poor health & nutritional status -Non availability of vegetable seeds -Lack of scientific knowledge for value addition of seasonal vegetables -Fatigue in performing household & field task	--	Nutritional security & sustainable Livelihood	-Promotion of Nutrition Gardens for family health & sustainable livelihood -Value Addition of fruits & vegetables -Storage loss minimization techniques -Women & Child care, personal health, hygiene & sanitation -Income generating activities for Empowerment of rural women	-Nutrition gardening	Awareness Important Days : -International Women Day -Mahila Kisan Diwas -Nutrition Week -Swacchta Abhiyan Popularization of various activities : Print media approach, message services & Social media	-Improved vegetables seeds, layout of Kitchen garden -Plants -Seed of Bio-fortified varieties of Wheat & Mustard -Flour-Wheat, Pearl, Millet , Sorghum , Barley, Oats

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	1	0	0	0	0	0	0	0	1
Integrated Crop Management	1	0	0	0	0	0	0	0	0	1
Integrated Nutrient Management	0	0	0	0	1	0	0	0	1	2
Integrated Farming System	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	0	0	0	0	0	0
Value addition	1	0	0	0	0	0	0	0	0	1
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	2	0	0	0	1	3
Resource conservation technology	0	0	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	**2**	**1**	**0**	**0**	**3**	**0**	**0**	**0**	**2**	**8**

A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Integrated Farming System	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease	0	0	0	0	0	0	0	0	0	0

Management										
Resource conservation technology	0	0	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	1	0	0	0	1
Disease of Management	1	0	0	0	0	0	0	1
Value Addition	0	0	0	0	0	0	0	0
Production and Management	1	0	0	0	0	0	0	1
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**3**

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	0	0	0	0	0
Disease of Management	0	0	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

B. Details of On Farm Trial

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
I.Kharif Crops									
Diversification of Paddy through Millets crop	Declining ground water table	Rice- wheat cropping system	T_1- Paddy -F.P. T_2- Kodo - Rec.	IIMR, Hyderabad	Seed	15000.00	1.0	10	**I. Technological** 1.No. of Irrigation 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Management of Leaf curl disease in Tomato	Attack of White fly at nursery bed (Seedling) Early stage	Treatment of nursery bed not in practice (As a preventive protection)	T_1- Bed not treated as preventive protection -F.P. T_2- Nursery bed & field crop treated with Rogor @ 1 ml/lit of water at 10 days intervals- Rec.	PAU, Ludhiana	Rogor- 1 lit.	7500.00	1.0	10	**I. Technological** 1.Infestation of White fly (%) 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
II.Rabi Crops									
Nutrient Management in Potato	Low yield of Potato	Imbalanced use of Fertilizer	T_1- N:P:K (200: 225: & 75) (F.P.) T_2- Recommended 20 ton FYM (187.5 : 62.5 : 62.5) N:P:K +	PAU, Ludhiana	-Fertilizers -Biozyme	5000.00	1.0	10	**I. Technological** 1.Tuber size (cm) 2. Tuber weight (gm) 3.Yield (q/ha) **II. Economics :** -Increase in Yield (%)

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
			Spray of Biozyme liquid formulation at tuber initiation stage @ 500 ml/ha -Rec.						-Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Effect of Foliar application of Micro nutrients on yield of Onion	Low yield of Onion	Imbalanced use of Fertilizer	T_1- N:P:K (100:40: & 40) (F.P.) T_2- Recommended Dose of Fertilizer (NPK) 125 : 50: 25 + Foliar application of ZnSo4 @ .5% + FeSo4 @ .25% + CuSo4@ .25% at 30 & 45 DAS- -Rec.	CCSHAU, Hisar	-ZnSo4 - FeSo4 - CuSo4	3500.00	1.0	10	**I. Technological** 1.Bulb size (cm) 2.Bulb weight (gm) 3.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Gross Return (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Management of Common Scab disease in Potato	Presence of Pathogen inoculam in infected tubers	Treatment of tuber (seed) not in practice	T_1- No Treatment of tuber (seed) -F.P. T_2- Seed Treatment with Emisan @ 2.5 g/lit of water for 30 minutes- Rec.	PAU, Ludhiana	Emisan- ½ kg.	1275.00	1.0	10	**I. Technological** 1.Incidence of Common Scab disease (%) 2.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
Management of Die back disease in Chilli	Presence of Pathogen inoculam in infected seeds	Treatment of seed not in practice	T_1- No Seed treatment -F.P. T_2- Seed Treatment (before sowing) of	PAU, Ludhiana	Blitox 50% WP – 1 kg. &	7250.00	1.0	10	**I. Technological** 1.Incidence of Dia back disease (%) 2.Yield (q/ha)

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
			Carbendazim 50 WP 2 gm/ kg of seed + 2-3 foliar sprays of Blitox 50 WP @ 750 gm/ 250 lit. of water - Rec.		Carben-dazim 50% WP – ½ kg.				**II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
III. Summer									
Weed Management in Sunflower	High cost through manual weeding	Manual weeding	T_1- Manual weeding -F.P. T_2- Pendimethalin 1 kg/ha + Finoxoprop Ethyl @ 37.5 g/ha - Rec.	PAU, Ludhiana	Pendimeth alin 1 kg/ha + Finoxopro p Ethyl @ 37.5 g/ha	3000.00	1.0	10	**I. Technological** 1. Plant height (cm) 2. No. of weed/ha^2 3. Head diameter (cm) 4. Head weight (gm) 5.Yield (q/ha) **II. Economics :** -Increase in Yield (%) -Cost of Cultivation (Rs./ha) -Net Return (Rs./ha) - BCR **III.Farmer's perception** - Adoption (%)
IV. Livestock									
Fertility improvement in Livestock	Repeat Breeding	Multi-cause Infertility 1.Hormonal imbalance 2.Trace mineral deficiency 3.Silent heat 4. Early embryonic	T_1- Natural Insemination (F.P.) T_2 – Estrous synchronization (Vit. E)- Rec.	DAVSU, Mathura	Syncroniz ation kit (Hormone s, Vitamins & Minerals)	20000.00	10 repeater animal	05	**I. Technological Observations** 1.Heat Detection 2.Conception rate 3.Inter calving Period 4.Fertility Improvement **II.Economics (Rs./Ani./12 months)**

Title of OFT	Problem identified	Major cause of problem	Technological intervention	Source of technology	Critical inputs	Cost (Rs.) of critical input	Area (ha) of OFT/number of animals (Cattle, buffalo, goat, sheep, poultry)	No.of repli-cations/ farmers	Performance Indicators (Technological, Economic & Farmer's perception)
		mortality							
Growth Improvement in calves	Poor growth and Mortality	Poor Immunity Endo parasitic Infestation	T_1 – Poor management (F.P.) T_2 – Broad spectrum dewormer (Rec.)	IVRI, Izatnagar	Dewarmer & Lactobacillus supplement	10000.00	20 calves	10	**I. Technological Observations** 1.Growth Parameters (kg/inch) - Body weight - Chest girth -Body length -Height 2. Age of puberty **II. Economics** (Rs./ani./90 days)
Introduction of herbal supplement for improving production and Reproduction in goats	Poor health and production	Nutritional deficiency	T_1 – No use of any supplement (F.P.) T_2 – Herbal Supplement (Rec.)	GBPUA&T, Pant Nagar	- Ashwagandha - Ammonium Chloride/ Sulphat	1000.00	20 Goats	10	**I. Technological Observations** 1.Growth Parameters (kg/inch) - Body weight (kg.) -Body weight of kid (kg.) 2. Mortality (%) **II. Economics** (Rs./Goat/90 days)

3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
I	**Kharif**								
1	Tomato	Namdhari - 524	Integrated Crop Management	Integrated Crop Management in Tomato	Pendamethalin @ 5 lit./ha Diethane (M-45) @ 1.5 kg/ha	Kharif & 2023	4.0	10	- Insect infestation (%) - Disease Incidence (%) - No. of fruits/plant - Fruit weight (gm) -Yield (q/ha) -BCR
II	**Rabi**								

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
2	Wheat	DBW-303	Varietal Evaluation	Bio-fortified variety of Wheat : DBW-303	▪ Seed ▪ Pendimethalin	Rabi & 2023	4.0	10	- No.of tillers/m2 -Yield (q/ha) -BCR
3	Wheat	DBW-222	Varietal Evaluation	Bio fortified variety of Wheat : DBW-222	▪ Seed ▪ Pendimethalin	Rabi & 2023	4.0	10	- No.of tillers/m2 -Yield (q/ha) -BCR
4	Wheat	DBW-187	Varietal Evaluation	Bio fortified variety of Wheat : DBW-187	▪ Seed ▪ Pendimethalin	Rabi & 2023	4.0	10	- No.of tillers/m2 -Yield (q/ha) -BCR
5	Mustard	PM-33	Varietal Evaluation	Bio fortified variety of Mustard : PM-33	▪ Seed ▪ Pendimethalin	Rabi & 2023	4.0	10	No.of grain /Siliqua -Yield (q/ha) -BCR
6	Lentil	L-4717	Varietal Evaluation	Bio fortified variety of Lentil : L-4717	▪ Seed ▪ Pendimethalin	Rabi & 2023	4.0	10	No.of grain /Siliqua -Yield (q/ha) -BCR
7	Chilli	CH-27	Integrated Crop Management	Integrated Crop Management in Chilli	Planafix	Rabi & 2023	4.0	10	-Yield (q/ha) -No.of Fruits/plant -BCR
8	Potato	Kufri Pukhraj	Integrated Crop Management	Integrated Crop Management in Potato	Pendamethalin @ 5 lit./ha Diethane (M-45) @ 1.5 kg/ha	Rabi & 2023	4.0	10	-Yield (q/ha) -No.of weeds (m2) -Disease Infestation (%) -BCR
9	Onion	NHRDF-RED 4	Integrated Crop Management	Integrated Crop Management of Onion	Seed @ 10 kg/ha	Rabi & 2023	4.0	10	-Yield (q/ha) -Diameter of bulb (cm) -Weight of bulb (gm) -BCR
10	Onion	NHRDF-RED 3	Integrated Crop Management	Integrated Crop Management of Onion	Seed @ 10 kg/ha	Rabi & 2023	4.0	10	-Yield (q/ha) -Diameter of bulb (cm) -Weight of bulb (gm) -BCR
	Plant Protection							▪	

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
11	Potato	Kufri Pukhraj	Integrated Pest Management	Management of Cut worm in Potato	▪Chlorpyriphos 20 %EC – 1 lit.	Rabi & 2023	4.0	10	-Infestation of Cut worm (%) -Yield (qtl/ha) -BCR
12	Onion	NHRDF-Red	Integrated Pest Management	Management of Thrips in Onion	Cypermethrin 25% EC- 1 lit.	Rabi & 2023	4.0	10	-Infestation of Thrips (%) -Yield (qtl/ha)
13	Cabbage	Hisar-1	Integrated Pest Management	Management of Tobacco Cater pillar in Cabbage	Spinosad 2.5 % SC – 1 lit.	Rabi & 2023	4.0	10	-Infestation of Cater pillar (%) -Yield (qtl/ha) -BCR
14	Mango	Dashri	Integrated Pest Management	Management of Mealy bug in Mango plant	Quinalphos 25% EC – 1 lit.	--	4.0	10	-Infestation of Mealy bug (%) -Yield (qtl/ha) -BCR
III	**Spring**								
15	Maize		Weed Management	Weed Management in Spring Maize	▪Seeds Herbicides (Tembotrione)	Spring & 2023	4.0	10	-No. of Weed plant/m^2 -Cob length (cm) -Yield (qtl.ha) -BCR
III	**Summer**								
16	Urd	Mash- 1137	Integrated Crop Management	Integrated Crop Management in Summer Urd	▪ Seed ▪Pendimethalin30 EC – 2500 ml/ha		4.0	10	-No. of Weed plant/m^2 -No.of grain /Siliqua -Plant height (cm) -Yield (q/ha) -BCR
					Total		**64.0**	**160**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	Jan- Dec, 2023	450
2	Farmers Training	10	Jan- Dec, 2023	200
3	Media coverage	10	Jan- Dec, 2023	--
4	Training for extension functionaries	2	Jan- Dec, 2023	50

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Super Seeder	Wheat	Rabi & 2023	10	10	-Wheat Seed	- Plant height (cm) -No. of effective tillers/m^2 -Test weight (gm) -Yield (qtlha) -BCR

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Cattle	Desi	10	50	Mastitis kits to control mastitis in cattle	- Somatic cell count (No.) - Milk production (lit/anim/day) - pH
Cattle	Desi	10	50	Feeding of Hydroponics for growth performance	-Body Condition Score (BCS) (ani./month) -Hemoglobin count (gm./dl)

Goat	Barbari (Kids)	10	25	Mineral supplement & pre-biotics	-Body weight gain (kg./month) -Chest girth (inch) -Body height (inch) -Body length (inch)

(iii) Women Empowerment /Home Science

Enterprise	No. of farm women	Area (ha)	Critical inputs	Performance parameters /indicators
Kitchen gardening	100	--	Improved Lay-out Plan & Vegetables seeds	1. Adoption of technology (%) 2. Budget saving(Rs./year/unit). -Technical observation: Gain in knowledge(%) - Farmers reaction: 1.Skill Acquisition (Adoption%) 2.Family Health & Nutrition(Interview & Visual observation) 3.Economical Observation :Family income saving

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	0	0	0	0	0	0	0	0
Resource Conservation Technologies	1	10	05	15	0	0	0	15
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	1	10	05	15	0	0	0	15
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	1	10	05	15	0	0	0	15
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	10	05	15	0	0	0	15
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	1	10	05	15	0	0	0	15
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
roduction and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	1	10	05	15	0	0	0	15
Integrated Nutrient Management	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	1	10	05	15	0	0	0	15
IV Livestock Production and Management								
Dairy Management	1	10	05	15	05	20	25	40
Poultry Management	1	0	05	05	10	15	25	30
Piggery Management	1	0	0	0	10	05	15	15
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	15	15	30
Design and development of low/minimum cost diet	1	0	15	15	0	15	15	30
Designing and development for high nutrient efficiency diet	1	0	15	15	0	15	15	30
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	1	0	15	15	0	15	15	30
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
technologies								
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	1	0	15	15	0	15	15	30
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	2	20	06	26	04	0	04	30
Integrated Disease Management	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	1	05	05	10	05	05	10	20
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	1	15	10	25	05	05	10	35
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)								
TOTAL= 19	**0**	**120**	**151**	**276**	**39**	**125**	**164**	**440**
(B) RURAL YOUTH								
Mushroom Production	1	15	10	25	05	05	10	35
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	0	15	15	0	15	15	30
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	15	10	25	05	05	10	35
Sheep and goat rearing	1	15	10	25	05	05	10	35
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	15	10	25	05	05	10	35
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**5**	**60**	**55**	**115**	**20**	**25**	**45**	**160**
I Extension Personnel								
Productivity enhancement in field crops	1	15	05	20	0	0	0	20
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	1	0	25	25	0	05	05	30
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**2**	**15**	**30**	**45**	**0**	**05**	**05**	**50**
G. Total	**26**	**195**	**236**	**431**	**59**	**155**	**214**	**645**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	10	05	15	0	0	0	15
Resource Conservation Technologies	1	10	05	15	0	0	0	15
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	1	10	05	15	0	0	0	15
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	2	20	10	30	0	0	0	30
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	10	05	15	0	0	0	15
Off-season vegetables	1	10	05	15	0	0	0	15
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	1	10	05	15	0	0	0	15
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	1	10	05	15	0	0	0	15
IV Livestock Production and Management								
Dairy Management	1	05	10	15	10	05	15	30
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management /goat	1	10	05	15	05	05	10	25
Disease Management	1	10	05	15	05	05	10	25
Feed management	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen	2	0	30	30	0	30	30	60

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
gardening and nutrition gardening								
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	0	15	15	0	15	15	30
Value addition	1	0	15	15	0	15	15	30
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production (Horti.)	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production (Horti.)	0	0	0	0	0	0	0	0
Organic manures production (A.S.)	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs(HS)	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**15**	**115**	**125**	**240**	**20**	**75**	**95**	**335**
B) RURAL YOUTH								
Mushroom Production	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
I Extension Personnel								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Productivity enhancement in field crops	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
G. Total	**15**	**115**	**125**	**240**	**20**	**75**	**95**	**335**

15- **Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	10	05	15	0	0	0	15
Resource Conservation Technologies	2	20	10	30	0	0	0	30
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	2	20	10	30	0	0	0	30
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	3	30	15	45	0	0	0	45
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	20	10	30	0	0	0	30
Off-season vegetables	1	10	05	15	0	0	0	15
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Production and Management technology	1	10	05	15	0	0	0	15
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	2	20	10	30	0	0	0	30
Integrated Nutrient Management	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	2	20	10	30	0	0	0	30
IV Livestock Production and Management								
Dairy Management	2	20	10	30	15	25	40	70
Poultry Management	1	0	05	05	10	15	25	30
Piggery Management	1	0	0	0	10	05	15	15
Rabbit Management/goat	1	10	05	15	05	05	10	25
Disease Management	1	10	05	15	05	05	10	25
Feed management	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	0	45	45	0	45	45	90
Design and development of low/minimum cost diet	1	0	15	15	0	15	15	30
Designing and development for high nutrient efficiency diet	1	0	15	15	0	15	15	30
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	0	15	15	0	15	15	30
Value addition	2	0	30	30	0	30	30	60
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Women and child care	1	0	15	15	0	15	15	30
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	2	20	06	26	04	0	04	30
Integrated Disease Management	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	1	05	05	10	05	05	10	20
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0

Thematic Area		No. of Courses	No. of Participants					
			Others			SC/ST			Grand Total
			Male	Female	Total	Male	Female	Total	
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	1	15	10	25	05	05	10	35
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)								
TOTAL= 34	**0**	**235**	**276**	**511**	**59**	**200**	**259**	**770**
(B) RURAL YOUTH								
Mushroom Production	1	15	10	25	05	05	10	35
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	0	15	15	0	15	15	30
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	15	10	25	05	05	10	35
Sheep and goat rearing	1	15	10	25	05	05	10	35
Quail farming	0	0	0	0	0	0	0	0
Piggery	1	15	10	25	05	05	10	35
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0

Thematic Area		No. of Courses	No. of Participants					
			Others			SC/ST			Grand Total
			Male	Female	Total	Male	Female	Total	
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**5**	**60**	**55**	**115**	**20**	**25**	**45**	**160**
I Extension Personnel								
Productivity enhancement in field crops	1	15	05	20	0	0	0	20
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	1	0	25	25	0	05	05	30
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL								
G. Total	**2**	**15**	**30**	**45**	**0**	**05**	**05**	**50**

Details of training programmes attached in Annexure –I

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	9	260	0	260	20	0	20	**36**	**9**	**345**
Kisan Mela	1	550	75	625	125	75	200	**20**	**5**	**850**
Kisan Ghosthi	10	200	20	220	50	25	75	**50**	**10**	**355**
Exhibition	5	550	75	625	125	75	200	**20**	**5**	**850**
Film Show	10	200	11	211	50	16	66	**12**	**1**	**290**
Farmers Seminar	0	0	0	0	0	0	0	**0**	**0**	**0**
Workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
Group meetings	0	0	0	0	0	0	0	**0**	**0**	**0**
Lectures delivered as resource persons	58	580	0	580	174	0	174	**50**	**8**	**812**
Newspaper coverage	30	0	0	0	0	0	0	**0**	**0**	**0**
Radio talks	0	0	0	0	0	0	0	**0**	**0**	**0**
TV talks	0	0	0	0	0	0	0	**0**	**0**	**0**
Popular articles	5	0	0	0	0	0	0	**0**	**0**	**0**
Extension Literature	7	500	50	550	100	50	150	**0**	**0**	**650**
Advisory Services	0	0	0	0	0	0	0	**0**	**0**	**0**
Scientific visit to farmers field	500	815	85	900	0	0	0	**0**	**0**	**900**
Farmers visit to KVK	1000	700	50	750	250	50	300	**0**	**0**	**1050**
Diagnostic visits	200	200	0	200	5	1	6	**10**	**0**	**206**
Exposure visits	6	160	0	160	20	0	20	**6**	**0**	**186**
Ex-trainees Sammelan	4	10	10	20	80	20	100	**5**	**0**	**125**
Soil health Camp	1	50	0	50	50	0	50	**5**	**1**	**106**
Animal Health Camp	1	50	0	50	10	0	10	**3**	**0**	**63**
Agri mobile clinic	0	0	0	0	0	0	0	**0**	**0**	**0**
Soil test campaigns	1	40	0	40	3	0	3	**4**	**0**	**47**
Farm Science Club Conveners meet	0	0	0	0	0	0	0	**0**	**0**	**0**
Self Help Group Conveners meetings	0	0	0	0	0	0	0	**0**	**0**	**0**
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	**0**	**0**	**0**
Celebration of important days (specify)	7	325	45	370	70	150	220	**15**	**5**	**610**
Krishi Mohostva	0	0	0	0	0	0	0	**0**	**0**	**0**
Krishi Rath	0	0	0	0	0	0	0	**0**	**0**	**0**
Pre Kharif workshop	0	0	0	0	0	0	0	**0**	**0**	**0**
Pre Rabi workshop	5	50	0	50	5	0	5	**5**	**1**	**61**
PPVFRA workshop	2	200	150	350	50	150	200	**12**	**6**	**568**
Any Other (Specify)	0	0	0	0	0	0	0	**0**	**0**	**0**
Total	**162**	**5440**	**571**	**6011**	**1187**	**612**	**1799**	**253**	**51**	**8074**

15-4 Target for Production and supply of Technological products

4. SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	PB-1718, PB-1692, PR-126	30
	Wheat	DBW -187, DBW -303	100
	Sugarcane	Co-238, Co- 5011, Co-15023, Co- 15027	1500
OILSEEDS	--	--	--
PULSES	Lentil	LL-931	5
VEGETABLES	Potato	Kufri Pukhraj , Kufri Chipsona- 3	200
	Onion	NHRDF-Red- 3	50

5. PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Langra,Desheri, Ramkela, Amarpali, Malika	500
	Lemon	Baramasi, Kagzi Kalan	500
SPICES	--	--	--
VEGETABLES	--	--	--
FOREST SPECIES	Poplar	G-48	2000
ORNAMENTAL CROPS	--	--	--
Others (Mushroom)	Mushroom	Button Mushroom	50 kg.

6.

7. Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermi Compost	--	--	5000

8. LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	--	--	--	--
Goat	Buck	Barbari	10	--
Sheep	--	--	--	--
Poultry	Chicks	Chabron	1000	--
Pig farming	Piglets/ Adult	Large White York Shire	100	--
FISHERIES	--	--	--	--

9. Others :

10. CROP MESEUM

Crop	Variety
Wheat	HD-3086, DBW-187, DBW-222, DBW- 303
Paddy	PR-126, PB-1121,PB-1718, CSR-30 , PR -129, PB- 1692
Lentil	HM-1, LL-931
Sugarcane	Co-0238, Co-5011, Co-15023, 15027
Chickpea	Gram-2149, GNG-2171,CSJ-512
Vegetables	Onion (NHRDF Red 3) , Potato (Kufri Chipsona 3)
Fruit Plants	Guava & Lemon

11. NUTRITION GARDEN (1000 m^2)

Vegetables	Variety
Seasonal vegetables	Recommended by CCSHAU & PAU

11.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 1998

Number of copies to be published : 500

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	10
3	News letters	10
4	Training manual all discipline	4
5	Popular article	5
6	Extension literature	2
	Total	**36**

I Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	Video	-Crop Residue Management -Cluster Front Line Demonstrations on Oilseed & Pulses -Livestock -ARYA (Piggery, Poultry, Mushroom, Nursery, Vemi Compost	10

3.7. Success stories/Case studies identified for development as a case : 5 No.

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

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

Practicing Farmers

a) PRA technique
b) Bench mark survey
c) Group discussions with Mukhia/Sarpanch and Farm families
d) Formation of SHG's/ Kisan Clubs

Rural Youth

To generate self employment through small enterprises & various skill based training programmes Identified through:

a) Ex-trainees Sammelan / Ex-Trainees Meet/Feedback/Survey
b) Discussions with line departments & progressive farmers & farm women

In-service personnel

a) Discussions with different line department during SAC meetings: Need for in-service training is identified, planned and organized.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

15- PRA

ii) Problem identified from Matrix

iii) Field level observations

iv) Farmer group discussions

v) Others if any

For FLD:

i) New variety/technology

ii) Poor yield at farmers level

iii) Existing cropping system

iv) Others if any

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - 2020

Adopted Villages – Three Panchayat Villages on which KVK established

i.e. Akbarpur, Tepla & Phulel Majra alongwith one other (Sapeda Village).

ii. No. of farm families selected per village : 50

iii. No. of survey/PRA conducted : 2

iv. No. of technologies taken to the adopted villages

v. Name of the technologies found suitable by the farmers of the adopted villages:

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2009-10 (March, 2010)

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectro Photmeter	1	88697-00
2	Flame Photometer	1	44300-00
3	PH Meter	1	6940-00
4	Conductivity meter	1	15957-00
5	Physical Balance	1	10406-00
6	Chemical Balance	1	78750-00
7	Water still	1	69620-00
8	Kjeldahl unit	1	43132-00
9	Shaker	1	26438-00
10	Refrigerator	1	21200-00
11	Oven	1	34875-00
12	Hot Plate	1	2250-00
13	Grinder	1	18562-00
14	Chemicals & Glass ware	1	66980-00
15	Mridaparishak (2)	1 1	81000-00 90300-00

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Microscope	1	198191-00
2	Hot Air Oven, incubator and autoclave	1	156203-00
3	Kent RO with accessory	1	23400-00
4	Oven	1	7190-00
5	Refrigerator & Camera	1	53200-00
6	Laminar air flow and table desk	1	122496-00
7	Thermo hygrometer and heating mantle	1	2374-00
8	Inverter	1	23600-00
9	Balance	1	53550-00
10	Magnetic stirrer	1	3793-00
11	Equipments	1	48625-00
12	Almirrah	1	17700-00
13	Furniture	1	12375-00
14	Glass & Plastic ware/Chemicals	1	73515-00
15	Light Trap	1	5400-00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	10	
Water	100	100	10	
Plant	100	100	10	
Total	700	700	30	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	**ICAR-ATARI**	
	- ICAR- ATARI, Zone-II, Jodhpur - ICAR- ATARI, Zone-I, Ludhiana	- Grant-in Aids, Lab, Cluster FLD (Oilseeds & Pulses), ARYA, Crop Residue Management, ASCI, SCSP, PKVY etc.
2.	**State Agricultural Universities**	
	- CCS HAU,Hisar - Punjab Agricultural University, Ludhiana - Dr.YPSUHF, Solan, Nauni - Lala Lajpat University of Veterinary & Animal Sciences, Hisar	- Seeds for multiplication and demonstrations, planting materials and technical know-how, Breed, Mineral Mixtures for demonstrations, Projects, Exposure visits OFT etc.
3.	**Institutes**	
	- NDRI, IIWBR, NBAGR - IARI, Karnal & New Delhi	- Exposure visits, Training & Projects, Demonstration & Improved Seed, IARI Post office Linkages model
	- NHRDF, Salary, Karnal	- Onion seed , Kisan Mela
	- CSSRI, Karnal - Sugarcane Research Institute, Karnal	- Soil Sample Analysis & Guidance and Seed materials
	- CPRI, Modipuram, Meerut & Shimla	- Potato Seed and Exposure Visit
	- DMR, Solan	- Expsoure visit & Mushroom spawn
	- HAIC Agro, R&D Centre, Murthal	- Mushroom Spawn & Trainings
	- Horticulture Training Institute, Uchani	- Exposure visit of farmers
	- HSDC, Umri, Kurukshetra	- Seeds for multiplication and demonstrations
	- Haryana Veterinary Training Institute, Uchani	- Vaccine, ARYA
	-National Seed Corporation, Chandigarh & Umri	-Pulses Seed
	- Central Poultry Dev. Organization, Northern Region, Chandigarh	- Sponsored Skill Base Trainings, Improved Poultry Birds, Exposure visit & guidance & Stalls during exhibition & Melas
	- Regional Research Station,Kaul (CCSHAU)	- Seeds for multiplication and demonstrations
	- ASCI - MIDH - NHM	- Skill Development Training Programmes (Quality Seed Grower & Gardner)
	- Metrology Department, Chandigarh & Delhi	- DAMU Project & Weather data
	- RRECL, Jaipur	- Training
4.	**Line Departments**	
	- Agriculture & Farmers Welfare - Horticulture - Animal Husbandry - Fishery - Forestry Department - KVK (CCSHAU), Ambala City - ICDS (CDPO), Ambala - Disease Investigation Lab (LUVAS) - KVIC , DICr - Nehru Yuva Kendra - ASCO (IWMP), Naraingarh	- SAC Member, Exhibition & District Melas, Supporting for promotion of technologies among farmers, Knowledge update about schemes & subsidies to farmers through guest lecture during training programmes , diagnostic services, Skill based training programmes, SHG skill base trainings, Conducting trials & demonstrations
	Shivalik Development Agency, Ambala	KVK approach road (1km.)
5.	**College & Schools**	
	- Govt. Polytechnic, Ambala City - Rajiv Gandhi Govt. College, Saha	- Sponsored skill base training programme for rural youth: Tailoring & Stitching & Welding, Awareness Camp. &

Sl.No.	Name of organization	Nature of Linkage
	- MMU, Mulana - Govt. Schools	Campaigns and participation in KVK Melas, SAC Meetings
6.	**Other Organizations**	
	IFFCO, Ambala	Nano Project, SAC Meeting, Awareness programmes
	Sugarcane Mill, Shahabad Markanda	Purchase and sale of Seed of Sugarcane
	NITCON,Chandigarh ,Kalka Kala Niketan, Pedilite Company etc.	Women Empowerment Programmes, Farmers Fair etc.
	MSME,Chandigarh	Farmer Fair on Pradhan Mantri Fasal Beema Yojna
	National Fertilizer Limited	Lecture in Training Programmes & Demonstrations
	NIFTEM, Sonipat	VAP programmes
	DD Kisan	**TV talk, Chopal Charcha**
7.	**Bankers**	
	-NABARD ,Lead Bank -Cooperative,ICICI - Financial Literacy, Saha,- PACS	Formation of Kisan Clubs, Update information about new schemes for rural area, SAC Member and Maintenance of Kisan Clubs, PMFBY
8.	**Private Companies**	Stall in Farmers Fair/Kisan Mela , Seeds, Tractors etc.
9.	-Reliance General Insurance, Chandigarh ,BI General Insurance - ICICI Lombard Insurance	Pradhan 55antra Fasal Beem Yojna & Training
10	- Gram Panchyats	- Extension activities and active participation in SAC
11	-Farmers clubs & SHGs	Skill & knowledge upgration programmes
12	-Custom Hiring Centre, Sapeda	Kisan Mela, CRM Project
13	FPO	Shahzadpur & Ambala-I

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage
1	--	--
2	--	--

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	--	--
2	--	--

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	--	--
2	--	--

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	--	--
2		
	Total	

6.0 Convergence with departments : Good Convergence with Line Departments

7.0 Feedback of the farmers about the technologies demonstrated and assessed :

- **Reported in APR's &** Zonal Workshops of KVKs

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :

- SAC Proceedings send & reported in Zonal Annual Workshops of KVK's

Annexure - I

Training Programme

15- Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
	PF	Integrated Crop Management in Urd	4	10	5	15	0	0	0	15
	PF	Integrated Crop Management in Maize	4	10	5	15	0	0	0	15
28-31 October, 2023	PF	Integrated Crop Management in Chickpea	4	10	5	15	0	0	0	15
Horticulture										
15-18 October, 2023	PF	Integrated Crop Management on Tomato	4	10	5	15	0	0	0	15
19-22 October, 2023	PF	Integrated Weed Management on Potato	4	10	5	15	0	0	0	15
Livestock prod.										
21-24 June, 2023	PF	Dairy management		10	5	15	15	5	20	35
15-18 March, 2023	PF	Poultry Management		0	5	5	10	15	25	30
1-4 February, 2023	PF	Piggery management		0	0	0	10	5	15	15
Agril. Engg.										
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
Home Sc.										
6-9 Jan,2023	PF	Importance of Nutri-thali for human health among women and children	4	0	15	15	0	15	15	30
21-24 February, 2023	PF	Food, Sanitation and Hygiene	4	0	15	15	0	15	15	30
17-21 April, 2023	PF	Food- Drug Interaction	5	0	15	15	0	15	15	30
20-23 March, 2023	PF	Promotion of Nutri-garden for family health & Sustainable livelihood	4	0	15	15	0	15	15	30
Plant protection										
1-5 June, 2023	PF	Integrated Disease Management of Leaf curl in Tomato	5	10	3	13	2	0	2	15
1-45 Nov.2023	PF	Integrated Disease Management of Die back in Chilli	5	10	3	13	2	0	2	15
Fisheries										
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
Soil Health										
20-23 April, 2023	PF	Soil and Water Conservation	4	10	5	15	0	0	0	15
1-4 October, 2023	PF	Soil and Water Testing	4	10	5	15	0	0	0	15
Agricultural Extension										
1-4 June, 2023	PF	Leadership Development	4	15	10	25	05	05	10	35

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
15-18 October, 2023	PF	Integrated Crop Management in Wheat	4	10	5	15	0	0	0	15
19-22 October, 2023	PF	Integrated Crop Management in Mustard	4	10	5	15	0	0	0	15
23-27 October, 2023	PF	Integrated Crop Management in Lentil	4	10	5	15	0	0	0	15
1-4 Feb. 2023	PF	Integrated Crop Management in Sugarcane	4	10	5	15	0	0	0	15
1-4 May, 2023	PF	Integrated Weed Management in Sunflower	4	10	5	15	0	0	0	15
15-19 June, 2023	PF	Vermi Compost production	4	05	05	10	05	05	10	20
Horticulture10										
15-19 Jan.2023	PF	Integrated Crop Management on Chilli	5	10	5	15	0	0	0	15
15-18 Oct. 2023	PF	Integrated Crop Management on onion	5	10	5	15	0	0	0	15
Live Stock Production.										
7-10 March, 2023	PF	Goat management		10	5	15	5	5	10	25
1-4 May, 2023	PF	Disease management in Cattles		10	5	15	5	5	10	25
3-6 Sept.2023	PF	Nutrition management in Dairy animals		5	10	15	10	5	15	30
Agril. Engg.										
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
Home Sc.										
14-17 June, 2023	PF	Value addition of dairy products	4	0	15	15	0	15	15	30
13-16 May, 2023	PF	Income generation activities for empowerment of rural women through Kitchen gardening	4	0	15	15	0	15	15	30
17-21 October, 2023	PF	Nutritional security through Kitchen gardening	5	0	15	15	0	15	15	30
16-19 November, 2023	PF	Storage techniques of pulses	4	0	15	15	0	15	15	30
Plant Protection										
1-5 Jan. 2023	PF	Integrated Pest Management of Thrips attack in Onion	5	10	3	13	2	0	2	15
1-5 July, 2023	PF	Integrated Pest Management of Tobacco Catter pillar	5	10	3	13	2	0	2	15
20-25 Oct., 2023	PF	Integrated Disease Management of Common scab in Potato	6	10	3	13	2	0	2	15
1-5 Dec., 2023	PF	Integrated Pest Management of Mealy bug attack in Mango	5	10	3	13	2	0	2	15
Fisheries										
--	PF	--	--	--	--	--	--	--	--	--
--	PF	--	--	--	--	--	--	--	--	--
Soil health										
15-18 April, 2023	PF	Soil and Water Conservation	4	10	5	15	0	0	0	15
20-23 September, 2023	PF	Soil and Water Testing	4	10	5	15	0	0	0	15

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Mushroom	Self Employment	Mushroom production & Management	August, 2023	21	15	10	25	5	5	10	35
Rice, Moong Wheat, Lentil	Value Addition	Value added products of Bio-fortified cereals and pulses	4-24 April, 2023	21	0	15	15	0	15	15	30
Cattle	Self Employment	Commercial Dairy Farming	July,2023	11	15	10	25	5	5	10	35
Piggery	Self Employment	Commercial Pig Farming	Aug.2023	11	15	10	25	5	5	10	35
Goatary	Self Employment	Goat farming	May,2023	11	15	10	25	0	0	0	25

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
8-3-2023	EF	Nutritional security through Kitchen gardening	1	0	25	25	0	5	5	30
10-5-2023	EF	Productivity enhancement of field crops	1	15	5	20	0	0	0	20

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

I. NARI, AGRICULTURAL DRONE. SCSP , DFI, ARYA etc.

II. NARI

Activity		Description	Participants
OFT	October, 2023	Bio-fortified variety of Wheat crop (HPBW-01) PAU	10
FLD	March, 2023	Nutritional Garden	100
	October, 2023	Bio-fortified varieties of Wheat (DBW-303) & (DBW -222) IIWBR	20
	October, 2023	Bio-fortified varieties of Mustard (PM-30) IARI	10
	October, 2023	Bio-fortified varieties of Lentil (L-4717)	10
	October, 2023	Onion (NHRDF- Red 3) NHRDF, Nasik	25
	September, 2023	Mushroom	25
Trainings	6-9 Jan,2023	Importance of Nutri-thali for human health among women and children	30
	21-24 February, 2023	Food, Sanitation and Hygiene	30
	17-21 April, 2023	Food- Drug Interaction	30
	14-17 June, 2023	Value addition of dairy products	30
	20-23 March, 2023	Promotion of Nutri-garden for family health & Sustainable livelihood	30
	13-16 May, 2023	Income generation activities for empowerment of rural women through Kitchen gardening	30
	17-11 October, 2023	Nutritional security through Kitchen gardening	30
	15-18 October, 2023	Integrated Crop Management in Wheat	30
	19-22 October, 2023	Integrated Crop Management in Mustard	30
	4-24 April, 2023	Value added products of Bio-fortified cereals and pulses	30
	16-19 November, 2023	Storage techniques of pulses	30
	15-18 October, 2023	Poultry farming	30
Extension Activities		International Women Day & Mahila Kisan Diwas	100
		Nutrition Month	200
		Health Camp	75
		Method Demo. (Nutri Thali & Value Addition of Fruits & vegetables	50
		World Food day, Kisan Mela, Exhibition, Exposure visits	270

III. Doubling Farmer's Income

Component of DFI	Crop/ Enterprises	OFT	FLD	Training
Supplementary agri-enterprises	-Dairy farming	1	10	1
	-Poultry Farming	--	20	1
	-Vermi Composting	--	10	1
	-Mushroom production	--	10	1
	-Kitchen Gardening	--	10	1
Reduction in cost of cultivation	- Crop Residue Management	0	20	2
	- Integrated Crop Management	0	100	5
	- Crop Diversification	2	40	4

IV. SCSP Scheme

Activity	Crop/ Enterprises	Area (ha)	Demo.(No.)
OFT	Pig breed : Large White Yorkshire	60 No.	10
FLD	Improved variety of Onion (NHRDF-Red-3)	6.0	15
	Wheat crop -DBW-303 -DBW-222 -DBW-187	12.0	30
	Mustard Variety : PM-33	4.0	10
	Lentil variety : L- 4717	4.0	10
	Enhancing farmers income through fruits plants	--	30
	Mushroom cultivation	30 Units	30
	Vermi Compost	20 Units	20
	Improved variety of Poultry (Chabron)	50 Units	50
	Large White Yorkshire breed of Pigs	20 Units	20
	Mineral Mixture for dairy animals	20 Units	20
	De worming Kit	20 Units	20
Trainings	Mushroom cultivation	1	30
	Integrated Crop Management in Wheat	1	30
	Integrated Crop Management in Mustard	1	30
	Dairy farming	1	30
	Vermi Compost	1	30
	Poultry Farming	1	30
	Pig Farming	1	30
	Enhancing farmers income through fruits plants	1	30
	Integrated Crop Management in Onion	1	30
	Nutrition gardening	1	30
Seed, Planting Material & Livestock	Mustard, Wheat & Onion	--	6 qtl.
	Planting material produced for farmers	--	250 No.
	Livestock strains and fingerlings produced for farmers	Poultry Birds : 200 & Piglets : 20 No	
Soil & Water samples	Soil and water sample tested for farmers	--	50
Extension Activities	-Exposure visits -Awareness Programmes -Field Days	10	500

V. AGRICULTURAL DRONES

Season	CCrops	Area (ha)	Pulse Crop	Area (ha)	Oil seed	Area (ha)	Cash crop	Area (ha)	Fodder	Area (ha)	Total Area (ha)
Rabi	Wheat	50	Chickpea	08	Mustard	10	Sugarcane	10	Berseem	5	83
	Maize	05	Lentil	02	Toria	10	--	--	--	--	17
	--	--	--	--	Sunflower	10	--	--	--	--	10
Total		**55**		**10**		**30**		**10**		**5**	**110**
Kharif	Rice	80	Moong	05	--	--	Sugarcane	10			95
	--	--	--	--	--	--	--	--	--	--	--
Total		**80**		**05**	**--**	**--**	**--**	**10**			**95**
Vegetables	Potato	20	--	--	--	--	--	--	--	--	20
	Tomato	20	--	--	--	--	--	--	--	--	20
	Chilli	05	--	--	--	--	--	--	--	--	05
Total		**45**	--	--	--	--	--	--	--	--	**45**
G.Total											**250**

VI. DAMU PROJECT

S.No.	Programmes	No.	Participants
1	**Awareness Camps**	**20**	**250**
2	**Advisory Services**	**96**	**2000**
3	**Farmers Scientist Interaction**	**2**	**70**

VII. Natural Farming

S.No.		Area (ha.)	No. of Demonstrations
1	**Front Line Demonstrations**	**8.0**	**20**

S.No.	Programmes	No.	Participants
2	**Exposure visits**	**5**	**150**
3	**Training**	**2**	**40**
4	**Awareness Programmes**	**10**	**1000**

VIII. ESTABLISHMENT OF CUSTOM HIRING CENTRE : One