REVISED PROFORMA FOR ACTION PLAN 2020

1. Name of the KVK:

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2.Name of host organization :

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3.Training programme to be organized (April 2019 to March 2020)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Nutrient Management	Soil Test Based Nutrient management of Rice in rainfed upland situation.	1	1	OFF	August-20									25
Production Managment	Soil management in irrigated Paddy	1	1	OFF	August-20									25
Farm Mechanization	Farm mechanization in DSR.	1	1	OFF	Sep-20									25
Weed management	Weed management in upland Rice	1	1	OFF	Nov-20									25
Production of organic inputs	Azolla Cultivation and its benefits	1	1	OFF	Oct-20									25
Weed management	Weed management in Cotton	1	1	OFF	Oct-20									25
Nutrient management	Nutrient management in Cotton	1	1	OFF	Oct-20									25
Nutrient management	Benefits of micronutrients and PGRs in Arhar.	1	1	OFF	Dec-20									25
Nutrient management	Nutrient management in maize	1	1	OFF	Nov-20									25
Weed management	Weed management in Maize	1	1	OFF	Nov-20									25
Production Managment	Planting technique in Sweetcorn.	1	1	OFF	Dec-20									25

Production Managment	Establishment methods of Ragi.	1	1	OFF	Sep-20									25
Nutrient management	Nutrient management in ragi	1	1	OFF	Sep-20									25
Weed management	Weed management in Groundnut	1	1	OFF	Jan, 21									25
Nutrient management	Nutrient management in Greengram	1	1	OFF	Dec-20									25
Weed management	Weed management in Greengram	1	1	OFF	Dec-20									25
Weed management	Weed management in Blackgram	1	1	OFF	Sept,20									25
Integrated Pest Management	Integrated management of BPH/WBPH in & Rice	1	1	Off	July-20									25
Integrated Disease Management	Integrated blast disease management in paddy	1	1	Off	July-20									25
Integrated Pest Management	Integrated fall army worm management in kharif maize	1	1	Off	August-20									25
Integrated Pest Management	Integrated thrips management in onion	1	1	Off	Nov-20									25
Integrated Pest Management	Integrated sucking pest management in cotton	1	1	Off	Oct-20									25
Integrated Pest Management	IPM for management of pod borer complex in pigeonpea	1	1	Off	Oct-20									25
Integrated Disease Management	Wilt management in brinjal & tomato.	1	1	Off	Sep-20									25
Integrated Pest Management	Integrated management of mite in Rabi chilli	1	1	Off	Dec-20									25
Integrated Pest Management	Integrated management of red spider mite in brinjal	1	1	Off	Nov-20									25
Integrated Pest Management	Integrated stem borer management in Rabi rice.	1	1	Off	Sep-20									25
Integrated Pest Management	Integrated fruit fly management in bitter gourd.	1	1	Off	Dec-20									25
Integrated Disease Management	Integrated bacterial wilt management in greengram	1	1	Off	Dec-20									25
PLP	Bee box maintenance in summer and winter season.	1	1	Off	Jan-21									25
Nursery Raising	Nursery raising techniques for kharif	1	1	Off	August									25

	onion													
Crop management	Cultural management in chilli	1	1	Off	August									25
Integrated Disease Management	Wilt management in Brinjal	1	1	Off	August									25
Nursery Raising	Nursery management in off season vegetable.	1	1	Off	September									25
Integrated Disease Management	Wilt management in solanaceaous crops.	1	1	Off	September									25
Planting Systems	Single trellis system in bittergourd	1	1	Off	September									25
Integrated nutrient management	Integrated nutrient management in drumstick	1	1	Off	October									25
Weed Management	Weed management in onion	1	1	Off	October									25
Processing and value addition	Value added product of Banana	1	1	Off	November									25
Integrated Pest Management	IPM module for management of YMV in Cowpea.	1	1	Off	November									25
Plant propagation techniques	Propagation method in drumstick	1	1	Off	November									25
Crop management	Cultural Management practices of watermelon	1	1	Off	December									25
Nutrient Management	Use and proper dose of micronutrient application in onion	1	1	Off	December									25
Planting Systems	Planting method of Pointed gourd	1	1	Off	December									25
Crop management	Cultural management in Pointed gourd	1	1	Off	January									25
Nutrient Management	Application of micronutrient in Pointed gourd	1	1	Off	January									25
Nutrient Management	Use and application of plant growth regulator in Mango	1	1	Off	February									25
Dairy Management	Feeding management of cows and buffalo	1	1 days	Off	August									25
Diseases management	Management of FMD in CB cows	1	1 days	Off	August									25
Dairy Management	Fertility management of CB cows.	1	1 days	Off	September									25
Dairy Management	Feeding management of Kalahandi buffalo for sustainable milk production	1	1 days	Off	September									25
Fodder	Fodder cultivation	1	1 days	Off	September									25

management	and silage making													
Fodder management	Hydroponics for green fodder production	1	1 days	Off	October									25
Goat farming	Feeding management in goat for better performance	1	1 days	Off	October									25
Goat farming	Management of worm infestation in goat	1	1 days	Off	October									25
Goat farming	Artificial insemination in goat.	1	1 days	Off	November									25
Goat farming	Heat and stress management in goats under semi intensive goat rearing system.	1	1 days	Off	November									25
Poultry management	Sustainable back yard poultry rearing.	1	1 days	Off	November									25
Poultry management	Feeding management in back yard poultry	1	1 days	Off	December									25
Poultry management	Brooding,vaccination management in fowl	1	1 days	Off	December									25
Poultry management	Management of duck at back yard for egg laying	1	1 days	Off	January									25
Diseases management	Disease management of duck in semi-intensive rearing system	1	1 days	Off	January									25
Diseases management	Zoonosis and its importance for human health and survival	1	1 days	Off	February									25
Value addition	Pickle formation from quail egg	1	1 days	Off	February									25

(b) Rural youths

Thematic area	Title of Training	No.	Duration(Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production of organic inputs	Vermicomposting	1	2	On	Nov,20									15
Production of organic inputs	Organic formulations, Panchagavya and Jeevamrit	1	2	On	Jan,21									15

Integrated Disease Management	Integrated collar rot disease management in groundnut.	1	2	On	August-20									15
Integrated Disease Management	IPM module of for management of powdery mildew in blackgram & greengram.	1	2	On	Oct-20									15
Integrated Disease Management	Integrated bacterial leaf blight disease management in rice.	1	2	On	Sept-21									15
PLP	Safe application of chemical pesticides in Rabi vegetable crop (Tomato, brinjal, chilli)	1	2	On	Jan-21									15
Processing & Value addition	Value added product of Onion	1	2	On	December									15
H Processing & Value addition	Value added product of Tomato	1	2	On	February									15
Dairy management	Semen sexing and its application	1	2 days	On	November									15
Diseases management	Management PPR and goat pox diseases in goat	1	2 days	On	February									15
Drudgery reduction	Drudgery reducing small tools and equipments in paddy based farming system	1	2	On	Aug-20									15
Employment Opportunity	Small scale mushroom production unit	1	2	On	Sept-20									15

Integrated Farming System	Round the year income generation through integrated farming system model.	1	2	On	Oct-20									15
Processing & Value addition	Processing and value added products of Mushroom	1	2	On	Sec-20									15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Nutrient application	Fertilizer classification and Methods of Fertilizer application in rice	1	1	On	Jan,21									10
Soil testing	Method of soil sample Collection and soil testing procedure with Mridaparikhyak	1	1	On	Jan,21									10
Integrated Pest Management	Management of BPH/WBPH in rice during kharif season	1	2	On	Aug-20									10
Integrated Pest Management	Management of important pests in green gram & Blackgram	1	2	On	Jan-21									10
Rejuvenating old orchards	Canopy management in Mango	1	1	On	October									10
Post Harvest management	Different ripening method of Banana	1	1	On	November									10
Dairy	Advanced reproductive	1	2 days	on	January									10

management	technologies at farmers dairy unit for sustainable milk yield													
Poultry management	Low-input backyard poultry rearing for doubling farmers income	1	2 days		February									10
Training management	Need assessment and training designing	1	1	on	Sept-20									10
Agriculture marketing	Market-led challenges & opportunities in Agriculture Extension	1	1	on	Oct-20									10
Agriculture Management	Agriculture Technology Management Agency (ATMA)-Role and Responsibility	1	1	on	Nov-20									10
Participatory Planning	Participatory Rural Appraisal-A bottom -up planning	1	2	on	Nov-20									10
Group dynamics	Farm Schools and FFS – Concept and their Operationalization	1	1	on	Dec-20									10
Gender in agriculture	Gender Mainstreaming and role of women in agriculture	1	1	on	Jan-20									10

(d) Vocational Training

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
E-pest	E-pest surveillance	1	2	On	Jan-21									10

Survey	and its importance in pest management strategies.													
Safe use of machinery	Use of different sprayer machine in different crops & its efficacy.	1	2	On	Nov-20									10

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	6												150
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	11												275
TOTAL	17												425
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Off-season vegetables	1												25
Nursery raising	1												25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	11												275
TOTAL	13												325
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	3												75
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1												25
Others, if any(INM)													
TOTAL	4												100
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	3												75
Poultry Management	4												100
Piggery Management													
Rabbit Management													
Disease Management	3												75
Feed management	2												50
Production of quality animal products	1												25
Others, if any (Goat farming)	4												100
TOTAL	17												425
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	10												250
Integrated Disease Management	04												100
Bio-control of pests and diseases	01												25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of bio control agents and bio pesticides	01												15
Others, if any	01												25
TOTAL	17												415
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL													

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1												15
Bee-keeping													
Integrated farming	1												15
Seed production													
Production of organic inputs	2												30
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
of orchards													
Value addition	3												45
Production of quality animal products													
Dairying	1												15
Sheep and goat rearing	1												15
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (IPM)	4												60
Others if any (Drudgery reduction)	1												15
TOTAL	14												210

Extension functionaries

Thematic Area	No. of Courses	No. of Participants			Grand Total
		Other	SC	ST	

		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	02												20
Integrated Nutrient management													
Rejuvenation of old orchards	1												10
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization	1												10
Information networking among farmers	1												10
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	2												20
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs	1												10
Crop intensification													
Others if any (Agricultural	2												20

Management)													
Others if any (Participatory Planning)	1												10
Others if any (Post harvest Management)	1												10
Others if any (Nutrient Managment)	2												20
TOTAL	14												140

4. Frontline demonstration to be conducted*

FLD-1 Demonstration on Integrated nutrient management in Ragi
Crop: Ragi
Thrust Area: Nutrient Use efficiency
Thematic Area: Integrated nutrient management
Season: Kharif , 2020
Farming Situation: Rainfed Upland

FLD-2 Demonstration of Direct Seeded Rice in rainfed medium land
Crop: Rice
Thrust Area: Sowing method
Thematic Area: Direct Seeded Rice
Season: Rabi, 2020-21
Farming Situation: Irrigated Medium land

FLD-3 Demonstration of micronutrient application as Seed treatment in Pigeonpea
Crop: Arhar
Thrust Area: Nutrient Use efficiency
Thematic Area: Micronutrient application
Season: Kharif, 2020
Farming Situation: Rainfed Up land

FLD- 4 Demonstration on weed management in Groundnut
Crop: Groundnut
Thrust Area: Weed Infestation
Thematic Area: weed management
Season: Rabi, 2020-21
Farming Situation: Rainfed Up land

FLD- 5 Demonstration on Management of blast in rice
Crop: Rice
Thrust Area: Incidence of Disease
Thematic Area: Disease Management
Season: Kharif- 2020
Farming Situation: Rainfed, medium land, (Rice-fallow) cropping system

FLD- 6 Demonstration on Management of Fall Army Worm in maize

Crop: Maize
Thrust Area: Pest Infestation
Thematic Area: Pest Management
Season: Kharif- 2020
Farming Situation: Rainfed up land

FLD- 7 Demonstration on Management of Onion Thrips
Crop: Onion
Thrust Area: Pest Infestation
Thematic Area: Pest Management
Season: Rabi 2020-21
Farming Situation: Irrigated medium land

FLD- 8 Demonstration on Management of Stem Borer in Rice
Crop: Cotton
Thrust Area: Pest Infestation
Thematic Area: Pest Management
Season: Rabi- 2020-21
Farming Situation: Rainfed low land

FLD-9 Demonstration on popularization of Single trellis system in bittergourd
Crop: Bittergourd
Thrust Area: Suitable Planting system
Thematic Area: Crop management
Season: Kharif, 2020
Farming Situation: Rainfed Medium land

FLD -10 Demonstration on plant growth regulators for crop regulation in Mango
Crop: Mango
Thrust Area: Irregular bearing habits of Mango
Thematic Area: Crop management
Season: Pre Rabi, 2020-21
Farming Situation: Rainfed medium land

FLD-11 Demonstration on high yielding Pointed gourd variety Arka Neelachal Kriti
Crop: Pointed gourd
Thrust Area: Low productivity from existing varieties
Thematic Area: Varietal evaluation
Season: Rabi, 2020-21
Farming Situation: Irrigated medium land

FLD-12 Demonstration on foliar application of micronutrient mixture in Onion
Crop: Onion
Thrust Area: Nutrient Use efficiency
Thematic Area: Nutrient Management
Season: Rabi, 2020-21
Farming Situation: Irrigated medium land

FLD-13 Demonstration on calcium supplementation on local goat for better performance
Enterprise: Goat

Thrust Area: Nutrient supplements
Thematic Area: Feeding management
Season: Kharif,2020
Farming Situation: Semi-intensive rearing system

FLD-14 Demonstration on AI in CB cows by sex-sorted semen
Enterprise: Cow
Thrust Area: Reproductive performance is less
Thematic Area: Fertility management
Season: Kharif,2020
Farming Situation: Homestead

FLD-15 Demonstration on feeding management in buffalo
Enterprise: Buffalo
Thrust Area: Nutrient Management
Thematic Area: Feeding management
Season: Rabi,2020-21
Farming Situation: Homestead

FLD-16 Demonstration on superior egg laying duck breed
Enterprise: Duck
Thrust Area: Egg laying capacity is less
Thematic Area: Breed management
Season: Rabi,2020-21
Farming Situation: Back yard

FLD-17 Demonstration on Ragi Thresher cum Peeler
Crop: Ragi
Thrust Area: High cost involved in manual processing
Thematic Area: Farm mechanisation
Season: Rabi, 2020-21
Farming Situation: Rainfed upland

FLD-18 Demonstration on performance of Portable Cotton Picker
Crop: Cotton
Thrust Area: High cost involved in manual picking
Thematic Area: Farm mechanisation
Season: Rabi, 2020-21
Farming Situation: Rainfed Upland

FLD-19 Demonstration on Chironji seed Decorticator
Crop: Chironji seed
Thrust Area: High cost due to manual decortication
Thematic Area: Farm mechanisation
Season: Rabi, 2020-21
Farming Situation: Forest based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1.	Ragi	2	Lime @ 0.25LR (applied 15 days before sowing) along with 50%N-P2O5-K2O (30-20-20 kg ha-1) applied in three splits, 25, 50 and 25 per cent basal, at tillering and flowering stages respectively	Yield (q/ha), No of effective tillers/plant	Lime	7000	4000									13
2.	Rice	2	Line Sowing through seed drill followed by STBF	Plant height (cm) No. of tillers No. of effective tillers Panicle length,	-	-	1500									13
3.	Arhar	2	Seed treatment with ammonium molybdate @ 4g/kg.	Plant Height, No. of branches/plant , No. of pods/plant ,	Ammonium molybdate-500g	10000	5000									13

				No. of seeds/pod												
4.	Groundnut	2	Application of Oxyflourfen @ 0.04 kg ai/ha as pre-emergence herbicide followed by post emergence spray of imazethapyr 0.12/ha	Plant Height No of pod/ plant No. of seeds/pod Yield (q/ha)	Oxyflourfen- 40g Imazethapyr-2ltr	5000	6000									13
5.	Rice	2.0	Seed treatment with @ carboxin 37.5%+ thiram 37.5% @2.5 gm/kg and foliar spraying of tricyclazole @ 0.06% twice at 15 days interval starting from the initiation of disease	Disease Index % % of infestation Yield (q/ha), Net return (Rs/ha,)B:C ratio,	carboxin 37.5%+ thiram 37.5% tricyclazole	1200	800									13
6.	Maize	2.0	Application of 5% NSKE/ Azadirachtin 1500 PPM @ 5ml/l of water during egg laying stage to avoid egg hatching.	% of pest infestation No of insect/plant No of plant infested /m2 Yield (q/ha), Net return (Rs/ha,)B:C	Azadirachtin 1500 PPM *Metarhiziu m anisopliae* Emamectin benzoate	1900	1100									13

			Application of Metarhizium anisopliae @ 5gm/l of water at 15-25 days after sowing Application of Emamectin benzoate @ 0.4 gm/l of water to manage the 2nd & 3rd instars larvae.	ratio,												
7.	Onion	2.0	Plant maize (2 rows) as border crop 30 days prior to the transplanting of onion crop. Need based alternate spray of Methomyl @ 0.8g/l at 30 DAT (with spreader @ 0.5-1%) and Profenophos @ 1ml/lit at 10 days interval	Percentage of leaf curl/ plant No. of affected plant/ sq. meter Yield (q/ha), Net return (Rs/ha,) B:C ratio,	Methomyl Profenophos	950	600									13
8.	Rice	2.0	Release *Trichogramma chilonis* @ 20,000/acre thrice at 7 days	No. of dead heart/sq. meter No. of white earhead/ sq. meter	*Trichogramma chilonis* Rynaxypyr spinetoram	1250	900									13

			interval.First release will be done at 30 DAT One spray of Rynaxypyr 150 ml/ha and one spray of spinetoram 6%+methoxyfenozide 30% SC @ 400 ml/ha alternately at 15 days and 45 DAT	No. of affected tiller/hill Yield (q/ha), Net return (Rs/ha,)B:C ratio,	6%+methoxyfenozide 30% SC											
9.	Bittergourd	0.4	Demonstration on popularization of Single line trellis system in bittergourd	Fruit wt. (gm) No. of fruit/Plant Cost intervention, income over additional investment yield(q/ha)	GI wire Plastic wire	12000	5000									13
10.	Mango	0.4	Demonstration on plant growth regulators for crop regulation in Mango	No. of fruits per panicle, No of fruits per plant, Fruit yield per plant	Ethephone	12000	-									13
11.	Pointed gourd	0.4	Demonstration on high yielding Pointed gourd	Fruit Weight (g) No. of Fruit/ vine	Vine cutting	10000	6000									13

			variety Arka Neelachal Kriti													
12.	Onion	0.4	Demonstration on foliar application of micronutrient mixture in Onion	Bulb weight (g) No. of bulbs/plant, Economics, BC ratio.	Micronutrient mixture	5000	-									13
13.	Goat	65	Administration of 25 ml of calcium /goat/day after kidding for three months. Feeding of goat with 200 gm of concentrate feed and free range feeding for improved goat health and nutrient utilization	BCS, FCR, Growth rate, Inter kidding interval	Calcium, Concentrate feed	5000	1500									13
14.	Cow	65	Artificial insemination of cross bred cow with sex – sorted semen of bull. Feeding of cow with 2 kg of concentrate feed per day with regular	Conception rate, Parturition rate, No. of female calf born	Sex-sorted semen, Concentrate feed, Vaccination, deworming drug	10000	4000									13

			vaccination and deworming													
15.	Buffalo	65	Supplementation of prebiotics (30gm/buffalo /day) with 2.5 kg of concentrate feed , 20 kg of green grass/day and adlib ton of straw feeding with regular vaccination and deworming.	Milk yield, BCS, Growth rate	Prebiotics, concentrate feed, vaccination and deworming .	7500	2500									13
16.	Duck	130	Rearing of duck (*White pekin* and *Khaki cambel*) with a shed area of 2 ft^2/duck with supplementary feeding @ 50-100 gm duck/day and vaccinate with i) Duck cholera- 1ml/sc at 3-4 wk	Egg laying capacity, Growth rate, FCR	Duck (White pekin and Khaki cambel)	10000	2000									13
17.	Ragi	--	Ragi Thresher cum peeler	Threshing Efficiency (Kg/hr) Shelling (%) Cost saving(Rs.)	Ragi Thresher cum peeler	30,000	8,000									13

18.	Cotton	--	Portable cotton Picker	Harvest efficiency (Kg/hrs) Cost saving(Rs.)	Portable cotton Picker	16,000	10,000									13
19.	Chironji seeds	--	Seed Decorticator	Efficiency (%) Recovery (%) Broken (%) Price Variation (Rs.)	Seed Decorticato r	25,000	--									13

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Method Demonstration	Method demonstration of sowing with Seed Drill in Paddy	1	Farmers	1	Off									15
Field Day	Benefits of micronutrients and PGRs	1	Farmers	1	Off									40
Field Day	Package of practice of Ragi	1	Farmers	1	Off									40
Field Day	Weed management in Groundnut	1	Farmers	1	Off									40
Training	Integrated blast disease management in paddy	1	F/FW	1	Off									25
Training	Integrated fall army worm management in kharif maize	1	F/FW	1	Off									25
Training	Integrated thrips management in onion	1	F/FW	1	Off									25
Training	Integrated stem borer management in Rabi rice	1	F/FW	1	Off									25
Field day	Demonstration on popularization of Single trellis system in bittergourd	1	Off	1	Off									30

Field Day	Demonstration on plant growth regulators for crop regulation in Mango	1	Off	1	Off									30
Field Day	Demonstration on high yielding Pointed gourd variety Arka Neelachal Kriti	1	Off	1	Off									30
Field Day	Demonstration on foliar application of micronutrient mixture in Onion	1	Off	1	Off									30
Field day	Field day on artificial insemination with sex-sorted semen	1	Dairy famers	1	Off									40
Method demonstration	Method demonstration on feeding management in buffalo	1	Buffalo rearing farmers	1	off									15
Field day	Field day on care and management in duck	1	Duck rearing farmers	1	off									40
Method demonstration	Method demonstration on feeding management in goat	1	Goat farmers	1	off									15
Method & Result demonstration	Demonstration on Ragi Thresher cum peeler	01	25	1	Off									50
Method & Result demonstration	Demonstration of Portable cotton Picker	01	25	1	Off									50
Method & Result demonstration	Demonstration of Chironjii Seed Decorticator	01	25	1	Off									50
Case study	Efficacy of seed drill and its acceptance in the farming community	01	100	1	Off									100
Case study	A study on farmer's awareness on BPH/WBPH management practices.	01	100	1	Off									100
Case study	A study on farmer's preference/ criteria for selection of vegetable hybrids for cultivation.	01	100	1	Off									100
Case study	A study on profitability and market demand for elite poultry	01	100	1	Off									100

	bird in the district.													
Case study	Consumer preference study for various vegetable in the district	01	100	1	Off									100

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

5. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	MTU-1001	27.06.2020 to 01.12.2021	5.0	FS	200.0	315000	502000	187000
Paddy	Lalaat	20.06.2020 to 15.12.2021	5.0	FS	200.0	315000	502000	187000
Brinjal	VNR-212	20.06.2019 to 30.10.2019	250 sq.mt	PM	40000	12000	100000	88000
Tomato	Laxmi	20.06.2019 to 30.10.2019	250 sq.mt	PM	30000	10000	75000	65000
Chilli	VNR-315	20.06.2019 to 30.10.2019	250 sq.mt	PM	5000	6000	12500	6500
Cabbage	Green ball	01.11.2019 to 30.02.2020	250 sq. mt	PM	5000	1000	10000	7200
Cauliflower	Snow ball	01.11.2019 to 30.02.2020	250 sq.mt	PM	10000	2000	20000	14400
Papaya	Red Lady	20.08.2019 to 30.11.2019	250 sq.mt	PM	500	4000	12500	8500
Drumstick	PKM-1	20.08.2019 to 30.11.2019	250 sq.mt	PM	500	2000	7500	5500
Onion	AFLR	01.11.2019 to 30.02.2020	250 sq.mt	PM	5000	1000	2500	1500
Mushroom Production	V.Volvaceae, P.Sajarcaju	Round the year	--	Mushroom	1.5	6000	12000	6000
Mushroom	V.Volvaceae,	Round the year	--	M. spawn	2000	12000	32000	20000

Spawn	P.Sajarcaju							
Poultry	Vanaraja, Chhabro, Kadaknath, Aseel, khaki cambell duck		5000 nos.	21 days chicks	5000 nos.	2,00,000	2,80,000	80,000

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	12	--	--	900	--	--	--	60	--	--	960
2.	KisanMela	01	--	--	250	--	--	--	50	--	--	300
3.	KisanGhosthi	02	--	--	200	--	--	--	50	--	--	250
4.	Exhibition	03	--	--	600	--	--	--	100	--	--	700
5.	Film Show	10	--	--	1500	--	--	--	50	--	--	2000
6.	Method Demonstrations	10	--	--	250	--	--	--	20	--	--	270
7.	Farmers Seminar	2	--	--	100	--	--	--	30	--	--	130
8.	Workshop	2	--	--	100	--	--	--	30	--	--	130
9.	Group meetings	12	--	--	60	--	--	--	240	--	--	300
10.	Lectures delivered as resource persons	25	--	--	1250	--	--	--	100	--	--	1325
11.	Advisory Services	52	--	--	16941	--	--	--	--	--	--	16941

12.	Scientific visit to farmers field	80	--	--	800	--	--	--	--	--	--	800
13.	Farmers visit to KVK	600	--	--	600	--	--	--	--	--	--	600
14.	Diagnostic visits	10	--	--	200	--	--	--	50	--	--	250
15.	Exposure visits	--	--	--	--	--	--	--	--	--	--	
16.	Ex-trainees Sammelan	4	--	--	100	--	--	--	--	--	--	100
17.	Soil health Camp	2	--	--	300	--	--	--	20	--	--	320
18.	Animal Health Camp	2	--	--	300	--	--	--	20	--	--	320
19.	Agri mobile clinic	--	--	--	--	--	--	--	--	--	--	
20.	Soil test campaigns	2	--	--	200	--	--	--	20	--	--	220
21.	Farm Science Club Conveners meet	2	--	--	100	--	--	--	20	--	--	220
22.	Self Help Group Conveners meetings	4	--	--	80	--	--	--	20	--	--	100
23.	MahilaMandals Conveners meetings	2	--	--	100	--	--	--	20	--	--	120
24.	Celebration of important days (specify)	5	--	--	250	--	--	--	50	--	--	300
25.	Swatchta Hi Sewa	2	--	--	200	--	--	--	50	--	--	250
26.	Mahila Kisan Diwas	1	--	--	100	--	--	--	20	--	--	120
27.	Any Other (Specify)											
	Total	847			25481				1020			27026

7. Revolving Fund (in Rs.)

Opening balance of 2020-2021 (As on 01.04.2020)	Amount proposed to be invested during 2020-2021	Expected Return

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
Bio-tech Kishan	DBT	25,00,000

9. On-farm trials to be conducted*

i.	Season	:	Kharif, 2020
ii.	Title of the OFT	:	Assessment of BPH tolerant rice varieties in shallow low land
iii.	Thematic Area	:	Pest Management
iv.	Problem diagnosed	:	Incidence off BPH
v.	Important Cause	:	Use of Susceptible Variety
vi.	Production system	:	Rice-Rice
vii.	Micro farming system	:	Rainfed low land
viii.	Technology for Testing	:	Assessment of BPH tolerant rice varieties in shallow low land
ix.	Existing Practice	:	MTU-7029
x.	Hypothesis	:	This technology have been tested in OUAT & NRRI, the suitable variety is tolerant to BPH and gives higher yield.
xi.	Objective(s)	:	Increase yield by using resistant/tolerant varieties Rice
xii.	Treatments	:	Farmers Practice (FP): MTU-7029 Technology option-I (TO-I): CR Dhan 307 Technology option-II (TO-II): Hasanta
xiii.	Critical Inputs	:	Seeds
xiv.	Unit Size	:	0.52 ha
xv.	No of Replications	:	07
xvi.	Unit Cost	:	2000/-
xvii.	Total Cost	:	14000/-
xviii.	Monitoring Indicator	:	Plant height, No. Of Grains/panicle, No. of BPH/hill, Net Return, B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT and NRRI

i.	Season	:	Rabi, 2020-21
ii.	Title of the OFT	:	Assessment of foliar application of soluble fertilizers in rabi Greengram
iii.	Thematic Area	:	Nutrient Management
iv.	Problem diagnosed	:	Low Yield in Greengram
v.	Important Cause	:	Limited use of Fertilizers
vi.	Production system	:	Rice-Greengram

vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Assessment of foliar application of soluble fertilizers in rabi Greengram
ix.	Existing Practice	:	DAP @20kg/ha
x.	Hypothesis	:	Foliar application may result better pod setting and higher yield.
xi.	Objective(s)	:	Increase yield by foliar application of soluble fertilizers
xii.	Treatments	:	Farmers Practice (FP): DAP @20kg/ha Technology option-I (TO-I): Foliar application of 2% urea at flower initiation stage and 15 days after 1st spray Technology option-II (TO-II): Foliar application of 2% 19:19:19(N:P:K) at flower initiation stage Technology option-II (TO-II): Foliar application of 2% urea at flower initiation stage and 2% 19:19:19(N:P:K) 15 days after 1st spray
xiii.	Critical Inputs	:	19:19:19(N:P:K)
xiv.	Unit Size	:	0.52
xv.	No of Replications	:	07
xvi.	Unit Cost	:	1500/-
xvii.	Total Cost	:	10,500/-
xviii.	Monitoring Indicator	:	Plant height, No. of branch/plant,No of Seed/Pod, Yield(q/ha), Net Return, B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	AICRP, MULLaRP

i.	Season	:	Kharif-2020
ii.	Title of the OFT	:	Assessment of Eco-friendly management of pod borer complex in pigeonpea
iii.	Thematic Area	:	IPM in pigeonpea
iv.	Problem diagnosed	:	Low yield of pigeonpea due to high infestation of pod borer during flowering , pod formation and pod maturing stage of the crop
v.	Important Cause	:	Application of improper pesticides with proper dose and time
vi.	Production system	:	pigeonpea- fallow
vii.	Micro farming system	:	Rainfed upland pigeonpea- fallow
viii.	Technology for Testing	:	Testing of new generation pesticides with neem based pesticide
ix.	Existing Practice	:	Farmers are applying triazofoss, chloropyrifos and Chloro+cypermethrin @ 2ml/lit
x.	Hypothesis	:	This technology have been tested in three RRTTS stations as station trail and the treatments gives significant result for effective management of pigeonpea pod borer
xi.	Objective(s)	:	Economically and timely management of pod borer helps boosting up the production
xii.	Treatments	:	Farmers Practice (FP): Farmers are applying triazofoss, chloropyrifos and Chloro+cypermethrin @ 2ml/lit Technology option-I (TO-I): Application of Azadirachtin 0.15%@ 1.5 Lit./ ha + Emamectin Benzoate 5SG @ 200gm/haat 50% flowering and second 15-20 days after 1ST spraying. Technology option-II (TO-II): Application of Azadirachtin 0.15%@ 1.5 Lit./ ha + Spinosad 45 SC @200 ml / ha at 50% flowering and second 15-20 days after 1ST spraying.
xiii.	Critical Inputs	:	Azadirachtin 0.15%, Emamectin Benzoate 5% SG & Spinosad 45 SC
xiv.	Unit Size	:	0.4 ha.
xv.	No of Replications	:	07

xvi.	Unit Cost	:	Rs. 350 /-
xvii.	Total Cost	:	Rs.2450
xviii.	Monitoring Indicator	:	Pod borer incidence (larval count at 1DBS and 5, 10 and 15 DAS), Natural Enemy Population (Spider and LBB) at 1 DBS and at 5, 10 and 15 DAS, percent pod infestation at harvest Yield (q/ha), Net return (Rs/ha), B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT, RRTTS Station Trial, Dhenkanal, 2017

i.	Season	:	Kharif-2020
ii.	Title of the OFT	:	Assessment of combine insecticides for management of major insect pest of rice
iii.	Thematic Area	:	IPM in rice
iv.	Problem diagnosed	:	Application of individual pesticides is not economic and resurgence of pests like rice stem borer, gall midge, leaf- folder and BPH
v.	Important Cause	:	Application of improper pesticides with proper dose and time, single pesticide application, high dose of nitrogenous fertilizer application
vi.	Production system	:	Rice-greengram
vii.	Micro farming system	:	Irrigated medium land, rice-greengram
viii.	Technology for Testing	:	Testing of combine pesticides for management of important pests in rice
ix.	Existing Practice	:	Farmers are apply single pesticides like cartaphydrochloride @ 800ml/ha, chloropyrifos @ 1.0 lt/ha, Indoxacarb @ 1.0 lt/ha etc. results high cost of input
x.	Hypothesis	:	Application of combine insecticides results better control than single pesticide application
xi.	Objective(s)	:	Incidence of pest will possibly reduce due to application of combine insecticides
xii.	Treatments	:	Farmers Practice (FP): Farmers are apply single pesticides like cartaphydrochloride @ 800ml/ha, chloropyrifos @ 1.0 lt/ha, Indoxacarb @ 1.0 lt/ha etc. Technology option-I (TO-I): Application of Flubendiamide 240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH Technology option-II (TO-II): Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH
xiii.	Critical Inputs	:	Flubendiamide 240 SC + Thiacloprid 240 SC (Belt Expert) & Ethiprole 40% + Imidacloprid 40% (Glamore)
xiv.	Unit Size	:	0.4 ha.
xv.	No of Replications	:	07
xvi.	Unit Cost	:	Rs. 250 /-
xvii.	Total Cost	:	Rs.1750/-
xviii.	Monitoring Indicator	:	Silver shoot %, Dead heart %, WEH %, BPH reduction %, LF reduction % Extent of infestation (%) Yield (q/ha), Net return (Rs/ha), B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT annual report, 2017

i.	Season	:	Kharif,2020
ii.	Title of the OFT	:	Assessment of suitable Brinjal variety for Kalahandi district
iii.	Thematic Area	:	Varietal evaluation

iv.	Problem diagnosed	:	Low return due to high incidence of wilt in Brinjal
v.	Important Cause	:	High incidence of wilt in Brinjal
vi.	Production system	:	Vegetable-Fallow
vii.	Micro farming system	:	Rainfed Medium land
viii.	Technology for Testing	:	Varietal evaluation
ix.	Existing Practice	:	VNR 212
x.	Hypothesis	:	This trail have been tested in RCER-ICAR, Patna resulting less wilt infestation in comparison to existing hybrids.
xi.	Objective(s)	:	Less wilt infestation will cause better yield
xii.	Treatments	:	Farmers Practice (To1): Brinjal variety VNR-212 Technology option-I (To2): Cultivation of Brinjal var. Swarna Shakti Fruits are oblong, medium length (15-17 cm), weight (250-300 g) and attractive shiny light purple colour, resistant to phomopsis blight and bacterial wilt, seed rate- 150-200g/ha, maturity- 55-65 DAP, Average yield- 70-75 t/ha Technology option-II (To3): Cultivation of Brinjal var. Swarna Ajay Fruits are oblong, medium length (10-12 cm), weight (100-120 g) and attractive light purple colour, resistant to phomopsis blight and bacterial wilt, seed rate- 150-200g/ha, maturity- 50-55 DAP, Average yield- 70-75 t/ha
xiii.	Critical Inputs	:	Vegetable seeds of Brinjal (var. Swarna Shakti & Swarna Ajay)
xiv.	Unit Size	:	0.52
xv.	No of Replications	:	07
xvi.	Unit Cost	:	1750/-
xvii.	Total Cost	:	12,250/-
xviii.	Monitoring Indicator	:	Fruit Wt (gm), Plant height (Cm), Yield, Net income (Rs) BC ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	RCER-ICAR, Patna

i.	Season	:	Rabi, 2020-21
ii.	Title of the OFT	:	Assessment of different ripening method for Banana variety Grand Naine
iii.	Thematic Area	:	Post Harvest management
iv.	Problem diagnosed	:	Distress sale during harvesting period
v.	Important Cause	:	Distress sale during harvesting period
vi.	Production system	:	Fruit based
vii.	Micro farming system	:	Irrigated medium land
viii.	Technology for Testing	:	Ripening method of Banana
ix.	Existing Practice	:	Fruits are harvested and covered with polythene and paper cardboard for 5days
x.	Hypothesis	:	This trail has been tested in NRCB, Annual report 2016-17 and treatments have given significant result
xi.	Objective(s)	:	Development of uniform yellow colour in Ripening Banana
xii.	Treatments	:	Farmers Practice (To1): Fruits are harvested and covered with polythene and paper cardboard for 5days Technology option-I (To2): Treatment of full (100%) mature pre-harvest banana

			bunches by fumigation with 1-methylcyclopropene (1-MCP) at a concentration of 1 microltr/L for 12 hr enhanced the in planta green life of for 10 days against 2 days, after which the full mature bunches showed maturity browning. After excision of ripe hands, bunches were treated by fumigation fb covering the bunches with polythene sleeves air-tight Technology option-II (To3): fruits treated with ethylene gas (100 ppm for 24 hours) gave uniform color development with shelf-life of six days at room temperature and 12 days at 22°C storage temperature.
xiii.	Critical Inputs	:	1-methylcyclopropene (1-MCP), Ethylene
xiv.	Unit Size	:	0.52ha
xv.	No of Replications	:	07
xvi.	Unit Cost	:	2000/-
xvii.	Total Cost	:	14000/-
xviii.	Monitoring Indicator	:	Days to ripening, fruit colour, Yield, Net income (Rs) BC ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	Annual report 2016-17 and 2017-18, NRCB

Sl. No.	Parameters	Activity
i.	Season	Kharif
ii.	Title of the OFT	Assessment of different Oil Cakes as Feed Supplement in Cross bred Cow
iii.	Thematic Area:	Dairy management
iv.	Problem diagnosed:	High feed cost
v.	Important Cause	High feed cost due to lack of alternate feed supplements
vi.	Production system	Homestead
vii.	Micro farming system:	Homestead
viii.	Technology for Testing	Feeding of different Oil Cakes as Feed Supplement in Cross bred Cow
ix.	Existing Practice	Feeding of cow with straw and concentrate feed
x.	Hypothesis	Feeding of different oil cakes as feed supplements to reduce feed cost in CB cows
xi.	Objective(s)	Better performance and reduction of feed cost in CB cows
xii.	Treatments	FP- Feeding of cow with straw and concentrate feed
		TO-1- Feeding of cow with 1.5 kg of groundnut oil cake and 2.5 kg of concentrate feed
		TO-II)- Feeding of cow with 1.5 kg of cotton oil cake and 2.5 kg of concentrate feed
xiii.	Critical Inputs	Cotton oil cake, ground nut oil cake, Concentrate feed
xiv.	Unit Size	35
xv.	No of Replications	7
xvi.	Unit Cost	2500
xvii.	Total Cost	17500
xviii.	Monitoring Indicator	Milk Yield, SNF (%), Fat%
xx.	Source of Technology	SVVU, Tirupati 2015-16, TNAU Agritech Portal, CICR, Nagpur, Technical BulletinNo-25,2003, validated by KVK, Yagantipalli, Andrapradesh, 2015-16

Sl. No.	Parameters	Activity
i.	Season	Rabi
ii.	Title of the OFT	Performance evaluation of low input dual type chicken breeds in semi-intensive rearing system
iii.	Thematic Area:	Poultry management
iv.	Problem diagnosed:	Low FCR in desi chicken
v.	Important Cause	Low growth rate of desi chicken
vi.	Production system	Semi-intensive
vii.	Micro farming system:	Back yard
viii.	Technology for Testing	Rearing of low input dual type chicken breeds in semi-intensive rearing system
ix.	Existing Practice	Rearing of local fowl
x.	Hypothesis	Rearing of low input dual type chicken breeds for improved FCR and growth rate
xi.	Objective(s)	Rearing of low input dual chicken breeds for better return in back yard
xii.	Treatments	FP- Rearing of local fowl
		TO-1- Rearing of *Chhabro* breed of chicken in back yard . Feeding of bird with 30-60 gm of commercial broiler feed and free range feeding.
		TO-II)- Rearing of *Kaveri* breed of chicken in back yard. Feeding of bird with 30-60 gm of commercial broiler feed and free range feeding.
xiii.	Critical Inputs	Chhabro breed, Kaveri breed, Starter feed
xiv.	Unit Size	70 nos. of poultry bird
xv.	No of Replications	7
xvi.	Unit Cost	2000
xvii.	Total Cost	14000
xviii.	Monitoring Indicator	Body wt gain, FCR, egg laying capacity
xx.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	Annual report, CIFA-2013-14 and 2016-17

i.	Season	:	Rabi 2020-21
ii.	Title of the OFT	:	Assessment of Suitable planting time for better market price of Cauliflower
iii.	Thematic Area	:	Trial for better market price
iv.	Problem diagnosed	:	Low market price at peak harvest
v.	Important Cause	:	Distress sale during peak period
vi.	Production system	:	Vegetables-vegetables
vii.	Micro farming system	:	irrigated upland
viii.	Technology for Testing	:	Suitable planting time of Cauliflower for better market price
ix.	Existing Practice	:	Farmers generally plant the seedling (Cauliflower) in the mid of October
x.	Hypothesis	:	Early produce will definitely fetch higher price in the market
xi.	Objective(s)	:	Higher return from vegetable crops under different planting time.
xii.	Treatments	:	Planting the seedling 30days prior or delayed to normal sowing with suitable hybrids 1.Planting of seedling (hybrid Sighra) 30 days before onset of normal planting period 2. Planting of seedling (hybrid Tetris) 30days after completion of normal planting

			period
xiii.	Critical Inputs	:	Hybrid Sighra & Tetris
xiv.	Unit Size	:	0.52 ha
xv.	No of Replications	:	07
xvi.	Unit Cost	:	Rs. 2500/-
xvii.	Total Cost	:	Rs.17,500/-
xviii.	Monitoring Indicator	:	Price Variation (Rs.) Incremental Income (Rs.) Fruit weight Disease & pest incidence
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	--

*Repeat the same format for EACH OFT being proposed.

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1.	NICRA	14,00,000/-
2.	Biotech Kishan	25,00,000/

11. No. of success stories proposed to be developed with their tentative titles

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2020-21
05.11.2019	Oct, 2020

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	300										50	1500
Water Samples	30										20	30
Other (Please specify)												
Total	330										70	1530

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
ui		
Total		

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data

Cultivator to seed producer: A boon for economic stability

Kalahandi is a tribal dominated district of Odisha and majority of the population depend on agriculture as their primary source of livelihood.

Major farming system is Paddy- paddy
Cotton-Fallow
Paddy-Greengram

Farmers are used to cultivate paddy in upland during kharif which gives a very low income from the particular patch of land. During a diagnostic visit the scientist encouraged the farmers to go for low value to high value crops and from high water requiring crops to low water requiring crops. They suggested to grow Pulses, oilseed and vegetables which will provide higher income and better production.

With the assistance of a graduated young farmer **sri. Indubhusan Swain, Village : Boria, Block : Kesinga** demonstration of Pulses Pigeon pea Var. ICPL 87-119 was conducted in 5 ha of land during 2012-13 along with package of practices followed by method demonstration and practical trainings.

Technical Intervention

- On time sowing (line sowing) and seed treatment with Rhizobium culture
- Application of soil test based fertilizer
- Integrated Pest Management and weed management practices (post herbicide)
- Crop management i.e optimum care during vegetative, pre-flowering and pod initiation stage
- Capacity building through training (Exposure to new technologies.)
- Linkage with agriculture department for input and fertilizer subsidy

The average yield of the demonstration was 12q/ha where as Sri. Swain could able to harvest a bumper yield of 15q/ha. Next season witnessing the production potential and scientific cultivation practices of Sri indu bhusan Swain, farmers were started showing interest in pigeon pea cultivation. In the very next year there was a horizontal spread of 5 ha land to 30 ha of land under pigeon pea . Gradually with in period of 8 years, now a total of more than 80 ha of land (nearby villages too)is under Pigeon pea cultivation. Now the particular area is **recognised as a hub for pulse production.**

In the year 2016-17, Pulse seed hub programme was launched by Govt. of India to harness pulse productivity. With the help of Sri. Swain, working procedure of seed production (seed type, germination , purity, isolation distance, registration and certification process, field supervision verification by the authority) and modalities of the project was conveyed to the farmers,

few farmers were selected (resource rich) for implementing the scheme with a objective of transforming the farmers **" from cultivator to seed grower".**

After the launch of Pulse seed hub programme farmers were very much interested to opt for seed production rather than pulse(Non-seed) production. Previously farmers used to sell their produce **@ Rs.3500-4000/- per qtl** but under the programme the farmers could able to sale the produce **@ Rs 7000-7600/- per qtl** which is almost double at market price. Therefore releasing the Govt . Initiation from production to marketing linkage, farmers are now days stressing more on seed production.

All the upland areas of Boria and adjacent villages, where once paddy was the predominate crop has converted to a **hub of Pigeon pea seed production unit** . Gradually farmers are now adopting short duration new varieties and practicing standard package of practices, utmost care is taken during pre-flowering stage to harness more productivity.

Economics of Upland Paddy				Economics of Pigeonpea				Economics of Pigeonpea (Seed Production)			
Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)
22.0	12,100	25,300	13,200	12.0	20,000	48,000	28,000	10.0	30,000	76,000	46,000