REVISED PROFORMA FOR ACTION PLAN 2020

1. Name of the KVK: BURDWAN

Address	Telephone		E mail
Bud Bud, Burdwan-713 403. West Bengal	Office - 0343 2513651	Fax -	kvkburdwan@gmail.com **Web:** www.kvkcrijaf.org.in

2.Name of host organization :

Address	Telephone		E mail
	Office	**FAX**	
ICAR-Central Research Institute for Jute and Allied Fibres, Nilgunj, Barrackpore Kolkata- 700 120. West Bengal	033-25356124-25	033-25350415	director.crijaf@icar.gov.in crijaf-wb@nic.in

3.Training programme to be organized (January 2020 to December 2020)

(a) Farmers and farmwomen

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
I Crop Production														
Production technology	Improved production technology off jute	2	1	Off	April, 2020	12	0	0	0	38	20	50	20	70
Resource Conservation Technologies	Rice cultivation through SRI	2	1	Off	Jan., and June., 2020	10	0	0	0	60	10	70	10	80
Conservation agriculture	Sustainable crop production through conservation agriculture	1	1	Off	Jan., 2020	0	0	0	0	20	10	20	10	30
Production technology	Improved production technology of mustard (FLD training)	2	1	Off	Oct., 2020	20	10	0	0	50	10	70	20	90
Production technology	Improved production technology of pulses (FLD training)	2	1	Off	Nov., 2020	12	12	0	0	56	0	68	12	80

Production technology	Improved production technology of groundnut (FLD training)	2	1	Off	Jan., 2020	15	0	0	0	60	05	75	5	80
III. Soil Health and Fertility Management														
Soil fertility management	Role of nutrient vis-à-vis crop production	2	1	Off and On	May, 2020	20	0	0	0	40	0	60	0	60
Integrated Nutrient Management	Benefits of INM in field crops	1	1	Off	May, 2020	10	0	0	0	20	0	30	0	30
Production and use of organic inputs	Need for composting and different types of compost preparation	2	1	Off and On	June., 2020	20	0	0	0	40	0	60	0	60
Micro nutrient deficiency in crops	Role of micronutrient in soil and crop health	1	1	On	Feb., 2020 Dec., 2020	10	0	0	0	20	0	30	0	30
Soil management	Management of problem soil and ways of amelioration	1	1	Off	July., 2020	0	0	0	0	25	5	25	5	30
II. Horticulture														
Vegetable cultivation	Cultivation techniques of solanaceous vegetable	3	1	On	17.10.20, 20.10. 20, 20.11. 20	10	0	10	0	70	0	90	0	90
Orchards development	Layout and Management of Orchards	1	1	Off	01.06. 20	5	0	5	0	20	0	30	0	30
	Micro irrigation systems of orchards	1	1	On	16.08. 20	5	0	5	0	20	0	30	0	30
Cultivation of Fruit	Improved cultivation of tissue culture banana	1	1	Off	08.06. 20	3	0	2	0	20	5	25	5	30
Plant propagation techniques	Plant propagation techniques of sub-tropical fruit crops	1	1	On	06.07. 20	3	0	2	0	20	5	25	5	30
Production and Management technology	Improved production technology of potato	1	1	Off	10.09. 20	3	0	2	0	20	5	25	5	30

Production and Management technology	Improved production technology of kharif onion	1	1	Off	19.06. 20	3	0	2	0	20	5	25	5	30
Crop protection	Disease management in Tomato	1	1	Off	11.02.2020	20	10	**0**	**0**	**0**	**0**	20	10	30
Crop protection	Disease management in Cucurbits	1	1	Off	19.02.2020	20	10	**0**	**0**	**0**	**0**	20	10	30
Crop protection	Integrated Pest Management	1	1	On	24.06.2020	6	2	0	0	14	8	20	10	30
Crop protection	Disease Management in Rice	1	1	On	07.07.2020	6	2	0	0	12	10	18	12	30
Crop protection	Disease Management in Rice	1	1	Off	22.07.2020	6	2	0	0	12	10	18	12	30
Crop protection	Disease management in Brinjal	1	1	Off	08.10.2020	4	2	2	2	12	8	18	12	30
Crop protection	Disease management in Mustard	1	1	Off	26.11.2020	6	2	4	4	10	4	20	10	30
Crop protection	Disease management in Cole crops	1	1	Off	04.12.2020	10	0	0	0	20	0	20	10	30
Integrated pest management	Integrated pest management in aman paddy	2	1	on	16.07.2020, 25.08.2020	30	30					30	30	60
	Integrated pest management in aman paddy	2	1	off	21.07.2020 20.08.2020	30	30					30	30	60
	Integrated pest management in boro paddy	1	1	on	25.03.2020	15	15					15	15	30
	Integrated pest	1	1	off	01.04.2020	15	15					15	15	30

	management in boro paddy													
Pest management in crops	Insect pest management in mustard	1	1	Off	10.11.2020	15	15					15	15	30
	Insect pest management in brinjal	2	1	On	20.05.2020 14.10.2020	30	30					30	30	60
	Insect pest management in tomato	2	1	Off	20.10.2020 28.10.2020	30	30					30	30	60
	Insect pest management in cucurbits	1	1	On	14.09.2020	15	15					15	15	30

(b) Rural youths

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**
Production and use of organic inputs	Vermicompost production at farmers level	2	1	On	Feb., 2020	20	0	0	0	40	0	60	0	60
Seed production	Seed production of different field crops	2	1	Off	July., 2020	20	0	0	0	40	0	60	0	60
Production of bio control agents and bio pesticides	Preparation of organic pesticides and its application	1	1	Off	02.11. 20	3	0	2	0	20	5	25	5	30
Post harvest technology	Post harvest technology of horticultural crops	1	1	Off	21.02.20	3	0	2	0	20	5	25	5	30
Mushroom Production	Improved Production Technology of	6	(3courses each of 2	On	(04.02.2020 – 05.02.2020),	120	60	0	0	0	0	120	60	180

	Oyster mushroom		days duration)		(11.02.2020 – 12.02.2020), (17.02.2020 – 18.02.2020),									
		4	(2courses each of 2 days duration)	On	(18.11.2020 – 19.11.2020) and (02.12.2020 – 03.12.2020)	16	16	8	0	48	32	72	48	120
Bee-keeping	Bee-keeping for better pollination and alternative livelihood	4	(2 courses each of 2 days duration)	On	(26.11.2020 – 27.11.2020) and (16.12.2020 – 17.12.2020)	16	16	8	8	48	24	72	48	120

(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
Others	Climate change and effect on agriculture	2	1	On	Dec., 2020 August., 2020	10	10	0	0	40	0	60	0	60
Seed production	Seed production of Vegetable crops	2	1	On	01.02.20	10	0	5	0	45	0	60	0	60
Post harvest technology	Scientific ripening techniques of fruits	1	1	On	08.02.20	0	0	10	0	20	0	30	0	30

(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
Rural Crafts	Kantha stitch	1	7	on	03.02.20	0	25	0	0	0	0	0	20	25

(e) ASCI Skill Development 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
Nursery management	Nursery management in horticultural crops	1	30	On	01.11.20-05.12.20	4	0	2	0	14	0	20	0	20

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													
Resource Conservation Technologies	3	80	20	100	10	0	10	0	0	0	90	20	110
Cropping Systems	2	204	35	239	59	22	81	0	0	0	263	57	320
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**5**	**284**	**55**	**339**	**69**	**22**	**91**	**0**	**0**	**0**	**353**	**77**	**430**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													

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
Others, if any (Cultivation of Vegetable)	5	110	10	120	16	0	16	14	0	14	140	10	150
TOTAL	**5**	**110**	**10**	**120**	**16**	**0**	**16**	**14**	**0**	**14**	**140**	**10**	**150**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	20	0	20	5	0	5	5	0	5	30	0	30
Cultivation of Fruit	1	20	5	25	3	0	3	2	0	2	25	5	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	20	0	20	5	0	5	5	0	5	30	0	30
Plant propagation techniques	1	20	5	25	3	0	3	2	0	2	25	5	30
Others, if any(INM)													
TOTAL	**4**	**80**	**10**	**90**	**16**	**0**	**16**	**14**	**0**	**14**	**110**	**10**	**120**
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													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													

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
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	2	60	0	60	20	0	20	0	0	0	80	0	80
Soil and Water Conservation													
Integrated Nutrient Management	1	20	0	20	10	0	10	0	0	0	30	0	30
Production and use of organic inputs	2	40	0	40	20	0	20	0	0	0	60	0	60
Management of Problematic soils	1	25	5	30	0	0	0	0	0	0	25	5	30
Micro nutrient deficiency in crops	1	20	0	20	10	0	10	0	0	0	30	0	30
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	**7**	**165**	**5**	**170**	**60**	**0**	**60**	**0**	**0**	**0**	**225**	**5**	**230**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
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													

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
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	7	14	8	22	90	90	180	6	2	8	110	100	210
Integrated Disease Management	7	66	32	98	66	26	92	12	8	20	144	66	210
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	6	0	0	0	90	90	180	0	0	0	90	90	180
TOTAL	20	80	40	120	246	206	452	18	10	28	344	256	600
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													

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
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 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	**41**	**719**	**120**	**839**	**407**	**228**	**635**	**46**	**10**	**56**	**1172**	**358**	**1530**

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	10	48	32	80	136	76	212	8	0	8	192	108	300
Bee-keeping	4	48	24	72	16	16	32	8	8	16	72	48	120
Integrated farming													
Seed production	2	40	0	40	20	0	20	0	0	0	60	0	60
Production of organic inputs	3	60	5	65	23	0	23	2	0	2	85	5	90
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	1	14	0	14	4	0	4	2	0	2	20	0	20
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
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													

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
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology	1	20	5	25	3	0	3	2	0	2	25	5	30
Tailoring and Stitching													
Rural Crafts	1	0	0	0	0	25	25	0	0	0	0	25	25
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**22**	**230**	**66**	**296**	**202**	**117**	**319**	**22**	**8**	**30**	**454**	**191**	**645**

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	2	45	0	45	10	0	10	5	0	5	60	0	60
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
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													
Crop intensification													
Others if any	3	60	0	60	20	10	30	0	0	0	80	10	90
TOTAL	**5**	**105**	**0**	**105**	**30**	**10**	**40**	**5**	**0**	**5**	**140**	**10**	**150**

4. Frontline demonstration to be conducted*

FLD 1:

- **Crop**: Jute
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Improved production technology
- **Season**: Pre Kharif 2020
- **Farming Situation**: Irrigated medium upland

FLD 2:

- **Crop**: Rice
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated crop management
- **Season**: Kharif 2020
- **Farming Situation**: Irrigated medium upland

FLD 3 (CFLD):

- **Crop**: Mustard
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Nutrient management
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 4 (CFLD):

- **Crop**: Groundnut
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Secondary and micronutrient management
- **Season**: Rabi-summer 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 5 (CFLD):

- **Crop**: Chickpea

- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated nutrient management
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 6 (CFLD):

- **Crop**: Lentil
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated nutrient management
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 7 (CFLD):

- **Crop**: Greengram
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated nutrient management
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 8 (CFLD):

- **Crop**: Sesame
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Nutrient management in improved variety
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 9:

- **Crop**: maize
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Improved production technology
- **Season**: Rabi 2020-21
- **Farming Situation**: Irrigated medium upland

FLD 10

- **Crop**: Tissue cultured Banana
- **Thrust Area**: Production Technology
- **Thematic Area**: Cultivation of Fruit
- **Season**: Kharif
- **Farming Situation**: Irrigated Medium/ upland

FLD 11

- **Crop**: Onion
- **Thrust Area**: Yield increment
- **Thematic Area**: Cultivation of Vegetable
- **Season**: Kharif
- **Farming Situation**: Irrigated Medium/ upland

FLD 12

- **Crop**: Marigold
- **Thrust Area**: Yield increment and quality of flower
- **Thematic Area**: Nutrient management of marigold
- **Season**: Rabi
- **Farming Situation**: Irrigated Medium/ upland

FLD 13:

- **Crop**: Oyster Mushroom
- **Thrust Area**: Augmentation of productivity
- **Thematic Area**: Improved production technology
- **Season**: Rabi, 2020 (Yet to start)
- **Farming Situation**: Conventional method

FLD 14:

Crop: Brinjal
Thrust Area: Augmentation of productivity
Thematic Area: Integrated Pest management
Season: Rabi
Farming Situation:Irrigated medium/ upland

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	Jute; JRO 204	10	Seed treatment+ Use of seed drill/cycle weeder+ 60:30:30 NPK+retting with CRIJAF SONA	Plant height, base diameter, yield	Seed	63000	66000	10	0	0	0	15	0	25	0	25
2	Rice; MTU 7029	10	16-18 day old seedling + 10'x10' spacing + chemical weeding + 80:40:40:20 NPKS	No. of tiller/hil, test weight, yield	Seed, Fertilizers	48000	47000	10	0	0	0	15	0	25	0	25
3	Mustard; JD 6/Keshari	60	Soil test based N, P, K + 30 kg S/ha+ two foliar spray of boron along with micronutrient mixture (Aquacal)	No. of pods/plant, test weight, oil content yield	Seed, Sulfur, boron	30000	29000	30	15	0	0	95	10	125	25	150
4	Rabi Groundnut ; TG51	80	Improved variety with secondary and micronutrient management	No. of pods/plant, yield	Seed of TG 51	42000	40000	20	10	0	0	160	10	180	20	200
5	Chickpea; JAKI 9218/ any latest variety suited to location	10	Treatment of seed with rhizobium; 15:40:20 N:P:K and 30 kg S/ha; Soil application of $ZnSO_4$ @ 10 kg/ha; 2 foliar spray of boron @ pre and post flowering	No. of pods/plant, yield	Seed, sulfur, micronutrient	29000	27000	10	0	0	0	15	0	25	0	25
6	Lentil; WBL 77	40	Treatment of seed with rhizobium; 15:40:20 N:P:K and 30 kg S/ha; Soil application of $ZnSO_4$ @ 10 kg/ha; 2 foliar spray of boron @ pre and post flowering	No. of pods/plant, yield	Seed, sulfur, micronutrient	26000	25000	10	10	0	0	20	0	70	10	100
7	Greengram ; IPM 02-03	10	Treatment of seed with	No. of pods/plant,	Seed, sulfur,	30000	32000	10	0	0	0	15	0	25	0	25

			rhizobium; 15:40:20 N:P:K and 30 kg S/ha; 2 foliar spray of boron @ pre and post flowering	yield	micronutrient											
8	Sesame; SML 668	30	Improved variety with secondary and micronutrient management	No. of pods/plant, yield	Seed, sulfur, micronutrient	35000	34000	10	05	0	0	20	0	50	10	75
9	Maize; Pro 311	10	Zero tillage with with 150-180 kg N, 70-80 kg P_2O_5 , 70-80 kg K_2O and 25 kg $ZnSO_4$ ha^{-1}	Cob length, 1000 grain wt, yield	Seed, $ZnSO_4$	48000	46000	10	0	0	0	15	0	25	0	25
10.	Mushroom Var. Oyster	20 nos.	Improved production technology	Yield, B: C ratio	Mushroom spawn, poly packets, chemicals	5490	5000	10	10	0	0	0	0	10	10	20
11	Tissue cultured Banana Var. Grand Naine	2	Tissue cultured plantlets (Var. Grand Naine)	Yield, B:C ratio	Tissue cultured plantlets	160000	135000	3	-	2	-	10	-	15	-	15
12	Onion, Var Agrifound Dark Red	3	Variety (Var Agrifound Dark Red)	Yield, B:C ratio	Seeds	105000	Replacement of upland and medium land paddy	4	2	2	-	14	2	16	4	20
13	Marigold	2	Chellated zinc/ Zn EDTA	Yield, Visible appearance of flower, B:C ratio	Zn EDTA	75000	65000	6	5	-	-	4	-	10	5	15
14	Brinjal Var. Local	1 ha	Integrated pest management on *Leucinodes orbonalis* 1. Install pheromone traps 10/acre for mass trapping at	Yield, B:C ratio	Pheromone trap 10/ acre for mass trapping and spray azadirach tin 0.03%	48000	45000	15	5					15	5	20

			10 m distance from 20 DAT, the pheromone septa should be changed at regular interval. 2. Spray azadirachtin 0.03% (300 ppm) neem oil based WSP @ 1000-2000 ml in 200-400 l of water/acre		neem oil											

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
Training	Improved production technology of jute	1	PF	1 day	Off	10	0	0	0	15	0	25	0	25
	ICM of rice	1	PF	1 day	Off	10	0	0	0	15	0	25	0	25
	Improved production technology of rabi groundnut	2	PF	1 day	Off	15	0	0	0	60	05	75	05	80
	Nutrient management of mustard	2	PF	1 day	Off	20	10	0	0	50	10	70	20	90
	INM on chickpea	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	INM on lentil	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	Nutrient management of sesame	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	INM on greengram	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	ICM of rabi maize	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	Improved cultivation of tissue culture banana	1	PF	1 day	Off	10	0	0	0	15	0	25	0	25
	Improved production technology of kharif onion	1	PF	1 day	Off	10	0	0	0	15	0	25	0	25
Field visits	Field visit	20	PF	Half day each	Off	190	65	0	0	310	10	500	75	575
Field day	Feld day on all crops	12	PF	Half day each	Off	228	78	0	0	372	12	600	90	690
	Field day on Banana, Onion	3	90	3	Off	15	0	15	0	60	0	90	0	90

* 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.)
Rice	MTU 7029	June – Dec, 2020	4	Foundation seed	210	400000	1000000	600000
Rice	MTU 1010/any other new variety	June – Dec, 2020	0.4	Foundation seed	20	40000	100000	60000
Rice	Rajendra Masuri any other new variety	June – Dec, 2020	0.4	Foundation seed	20	40000	100000	60000
Brinjal	Bhangar Selection	July to Sept	0.01 ha	Seedlings	25000 no	10000	20000	10000
Fruit saplings	Guava, Citrus	July to Sept	-	Saplings	1000	5000	40000	35000

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.)
Rice	MTU 7029	June – Dec, 2020	100	250	TL seed	4500	4800000	9000000	4200000

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	600	90	690	30	4	0	4	604	90	694
2.	Kisan Mela											
3.	Kisan Ghosthi											
4.	Exhibition											
5.	Film Show											
6.	Method Demonstrations	2	30	4	34	40				30	4	34
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings	4	10	30	130	60				100	30	130

			0									
10.	Lectures delivered as resource persons	8	70	10	80	30	90	30	120	160	40	200
11.	Advisory Services	20	500000	90000	59000	30	0	0	0	50000	9000	59000
12.	Scientific visit to farmers field	12	300	50	350	30	0	0	0	300	50	350
13.	Farmers visit to KVK											
14.	Diagnostic visits	10	54	13	67	21	0	0	0	54	13	67
15.	Exposure visits											
16.	Ex-trainees Sammelan											
17.	Soil health Camp	6	273	9	282	15	10	3	13	283	12	295
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns	6	100	12	112	24	0	0	0	100	12	112
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings											
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	1	40	10	50	100	0	0	0	40	10	50
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa											
27.	Mahila Kisan Diwas											
28.	Any Other (Specify)											
	Total											

7. **Revolving Fund (in Rs.)**

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return

8. **Expected fund from other sources and its proposed utilization**

Project	Source	Amount to be received (Rs. in lakh)
DAESI	**SAMETI, Narendrapur**	**740000**

9. **On-farm trials to be conducted***

OFT 1 (2nd year):

Sl no.	Particulars	Details
1	**Season**	Rabi 2020-21
2	**Title of the OFT**	Assessment of different remediation measures for cold stress of rice seedling during *rabi* season under medium upland situation of Burdwan district
3	**Thematic Area**	Integrated crop management
4	**Problem Diagnosed**	Mortality of paddy seedling in seedbed in rabi season
5	**Important Cause**	Undeveloped root system due to cold injury leading to no-uptake of nutrients
6	**Production System**	Rice based production system
7	**Micro farming System**	Conventional rice production in medium upland situation
8	**Technology for Testing**	Application of growth promoter and management practice
9	**Existing Practice**	Carbendazim/ Mancozeb spray
10	**Hypothesis**	Application of growth promoter or amendment of nutrient from extraneous sources will meet the nutritional requirement of seedling
11	**Objective(s)**	1. Resist mortality of paddy seedling in rabi nursery 2. Attaining robust seedling in fewer days for transplant
12	**Treatments:**	**Farmers Practice (FP):** Carbendazim/ Mancozeb spray **Technology option-I (TO-I):** Spraying of Triconanol @ 100 ppm 2 times at 3 day interval when temperature falls below 12^0C. **Technology option-II (TO-II):** Spraying of micronutrient mixture (Fe, Mn, B, Mg and Zn) @ 750 ml/ha (commercial formulation) 2 times at 3 day interval when temperature falls below 12^0C. **Technology option-III (TO-III):** Hot water treatment in seedbed in early morning
13	**Critical Inputs**	Tricontanol, Micronutrient mixture
14	**Unit Size**	0.007 ha
15	**No of Replications**	10
16	**Unit Cost**	Rs. 500

17	**Total Cost**	Rs. 5000
18	**Monitoring Indicator**	Mortality percentage, seedling height/30 DAS, Productivity gain from enriched seedlings
19	**Source of Technology**	IRRI, Philippines; BCKV, Mohanpur

OFT 2:

Sl no.	Particulars	Details
1	**Season**	Kharif 2020
2	**Title of the OFT**	**Assessment of efficacy of different herbicides on weed control of transplanted rice during kharif season under medium upland situation of Burdwan district**
3	**Thematic Area**	Weed management
4	**Problem Diagnosed**	Infestation of weed leading to reduction in yield
5	**Important Cause**	Improper land preparation coupled with inefficient weed control
6	**Production System**	Rice based production system
7	**Micro farming System**	Transplanted rice farming under medium upland situation
8	**Technology for Testing**	Application of selective herbicides
9	**Existing Practice**	Non application on inefficient application of herbicide
10	**Hypothesis**	Application of improved herbicide for efficient control of weed should lead to augmented productivity
11	**Objective(s)**	Increasing productivity of paddy
12	**Treatments:**	**Farmers Practice (FP):** Application of butachlor 50% EC @ 1.25 kg. a.i./ha **Technology option-I (TO-I):** Application of pyrazosulfuron ethyl 10 % WP @ 160 g a.i./ ha within 4 DAT **Technology option-II (TO-II):** Application of Bispyribac sodium 10% SC @25 g a.i./ ha 15-20 DAT. **Technology option-III (TO-III):** Application of penoxulum 21.7 % SC @ 20 g a.i./ ha at 15-20 DAT
13	**Critical Inputs**	pyrazosulfuron ethyl 10 % WP, Bispyribac sodium 10% SC, penoxulum 21.7 % SC
14	**Unit Size**	0.13 ha
15	**No of Replications**	6
16	**Unit Cost**	Rs. 1500
17	**Total Cost**	Rs. 9000
18	**Monitoring Indicator**	Yield, weed density
19	**Source of Technology**	BCKV, Mohanpur

OFT 3:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Varietal trial of Hybrid tomato
3	**Thematic Area**	Production technology
4	**Problem diagnosed**	Abhilash is being cultivated for several years; there is a potential yiel gap of tomato in our district in comparison to southern part of the country.
5	**Important Cause**	Lower yield due to high infestation of leaf curl and blight

6	**Production system**	Paddy- vegetable cropping system
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Newly released Hybrid varieties
9	**Existing Practice**	Abhilash
10	**Hypothesis**	Newly released multi disease resistant varieties may improve yield
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** Abhilash **Technology option-I (TO-I):** Arka Samrat **Technology option-II (TO-II):** Arka Rakshak
13	**Critical Inputs**	Seeds
14	**Unit Size**	**0.05 ha**
15	**No of Replications**	7
16	**Unit Cost**	2000
17	**Total Cost**	**Rs.14000**
18	**Monitoring Indicator**	Yeld, disease infestation, cost benefit ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR IIHR

OFT 4:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Assessment of different techniques of vegetable seedling transplanting on the rate of seedling mortality and economic viability of vegetable cultivation
3	**Thematic Area**	Vegetable cultivation
4	**Problem diagnosed**	Vegetable seedlings are grown in raised beds and they are manually uprooted and transplanted in the main field leading to a significant percentage of seedling mortality. At the same time manual transplanting is a labour intensive job.
5	**Important Cause**	Significant percentage of seedling mortality and labour intensive job.
6	**Production system**	Vegetable- potato cropping system
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Vegetable seedlings transplanter and pluck tray/potray
9	**Existing Practice**	Conventional raising of seedlings in beds and manual transplanting
10	**Hypothesis**	Seedlings raised in pluck tray and transplanted by transplanter will reduce the seedling mortality as well as reduce requirement of labour.
11	**Objective(s)**	Significant reduction of seedling mortality as well as reduction of requirement of labour.
12	**Treatments:**	**Farmers Practice (FP):** Raising of seedlings in raised beds and manual transplanting **Technology option-I (TO-I):** Raising of seedlings in pluck trays and manual transplanting **Technology option-II (TO-II):** Raising of seedlings in pluck trays and transplanting with the help of transplanter
13	**Critical Inputs**	Pluck trays and transplanter
14	**Unit Size**	0.05 ha
15	**No of Replications**	10
16	**Unit Cost**	3000
17	**Total Cost**	30000
18	**Monitoring Indicator**	Percentage of seedling mortality, labour requirement and cost benefit ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR-IIHR

*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	Cereal System Initiative for South Asia	160000
2	DAESI	740000

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

- Entrepreneurship development with seed production of groundnut
- Sustainable production and income augmentation from mustard cultivation
- Seed production of paddy in seed village mode

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020

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	100	10	0	0	0	90	0	100	0	100	10	500
Water Samples												
Other (Please specify)												
Total												

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
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