ACTION PLAN 2025

1. Name of the KVK: Jhargram Krishi Vigyan Kendra

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2. Name of Host Organization: **Bidhan Chandra Krishi Viswavidyalaya**

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3.Training Programme to be Organized (January 2025 to December 2025)

(a) Farmers and farmwomen

Discipline – Agronomy

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
Crop Diversification	Seed bed preparation of Boro rice	1	1	Off	1st wk/Mar/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Improved production techniques of Boro cultivation	1	1	Off	1st wk/Mar/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Improved production techniques of Sesamum cultivation	1	1	Off	1st wk/Mar/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Improved production techniques of Sesamum cultivation	1	1	On	1st wk/Mar/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Improved production techniques of Kharif pulses cultivation	1	1	Off	1st wk/April/25	3	2	3	2	8	2	14	6	20

Crop Diversification	Improved production techniques of Kharif pulses cultivation	1	1	On	1st wk/April/25	3	2	3	2	8	2	14	6	20
Integrated Crop Management	Importance and technique of green manuring crop production.	1	1	Off	2nd wk/May/25	3	2	3	2	8	2	14	6	20
Integrated Crop Management	Cultivation practices of kharif groundnut	1	1	On	4th wk/May/25	3	2	3	2	8	2	14	6	20
Integrated Crop Management	Cultivation practices of kharif rice	1	1	On	4th wk/May/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Technique of *Kharif* Pulse Production in rain fed situation	1	1	Off	1st wk/Jun/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Technique of kharif rice Production in rain fed situation	1	1	On	1st wk/Jun/25	3	2	3	2	8	2	14	6	20
Crop Diversification	Paddy production by use of different method of transplanting	2	2	Off	2nd wk/July/25	6	4	6	4	16	4	28	12	40
Crop Diversification	Improved production techniques of mustard	1	1	On	1st wk/October/25	3	2	3	2	8	2	14	6	20
Seed Production	Improved Package of Practices of Rabi-Summer Oilseeds and pulses seed production	1	1	Off	3rd wk/Dec/25	3	2	3	2	8	2	14	6	20
Total		**15**	**15**			**45**	**30**	**45**	**30**	**120**	**30**	**210**	**90**	**300**

Discipline – Horticulture

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
Spices Cultivation	Commercial cultivation of different spices.	1	1	Off	1st wk/Feb/2025	3	2	4	1	7	3	14	6	20
Cultivation of fruit crops	Latest scientific cultivation technologies of fruit crops.	1	1	Off	2nd wk/Mar/2025	3	2	3	2	8	2	14	6	20
Cultivation of Kharif onion	Kharif onion cultivation	1	1	Off	1st wk/April/2025	2	2	4	2	8	2	14	6	20
Nursery Management	Propagation techniques of different horticultural crops	1	1	Off	3rd wk/April/2025	4	4	2	3	5	2	11	9	20
Cultivation of veg.	Organic farming of vegetable crops	1	1	Off	2nd wk/May/2025	3	2	3	2	8	2	14	6	20
Natural Farming	Natural farming of horticultural crops	1	1	Off	4th wk/May/2025	3	2	4	1	7	3	14	6	20
Cultivation of Flower	Commercial cultivation of Flowering plants.	1	1	Off	1st wk/June/2025	2	3	3	3	4	5	9	11	20
Nutritional Garden	Kitchen garden development	1	1	Off	2nd wk/Sep/2025	2	2	4	2	8	2	14	6	20
Cultivation of Medicinal and aromatic crop	Medicinal and aromatic crop cultivation	1	1	Off	1st wk/Dec/2025	2	3	3	3	4	5	9	11	20
	Total	**9**	**9**			**24**	**22**	**30**	**19**	**59**	**26**	**113**	**67**	**180**

Discipline – Plant Protection

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
IPM & IDM	Management of insect pest and disease of major Rabi Vegetables grown in the district.	1	1	Off	2nd Week of January 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major Pulse and Oilseed crops grown in the district	1	1	Off	1st Week of Feb. 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and diseases of Groundnut.	1	1	On	4th Week of Feb. 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Storage grain pest management and Method of seed treatment of major Kharif crops grown in the districts.	1	1	Off	2nd Week of March 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and diseases of Aman Paddy.	1	1	Off	2nd Week of May 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of the major cucurbits grown in the districts.	1	1	Off	4th Week of June 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major fruit crops of the district.	1	1	On	1st Week of July 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Disease and pest management in the nursery bed of vegetables.	1	1	On	3rd Week of Aug. 2025	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major Cole crops grown in the district.	1	1	On	2nd Week of Sept. 2025	3	3	4	3	3	4	10	10	20

IPM & IDM	Nursery Management in respect to control of insect pest and disease of the major veg. grown in the district.	1	1	On	1st Week of Nov. 2025	3	3	4	3	3	4	10	10	20
TOTAL		**10**	**10**			**30**	**30**	**40**	**30**	**30**	**40**	**100**	**100**	**200**

Discipline – Agricultural Extension

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**
Capacity Building	Awareness on different State Govt Schemes related to agriculture	1	1	Off	4th wk/ January/ 2025	3	2	3	2	8	2	14	6	20
Capacity Building & income generation	Awareness and management of SHG groups through different income generating activity.	1	1	Off	3rd wk/ Feb/2025	3	2	3	2	8	2	14	6	20
Capacity building for ICT application	Awareness of mobile application and other cyber technologies for betterment of farming community	1	1	On	3rd wk/ March/2025	3	2	3	2	8	2	14	6	20
Income Generation	Income Generation of the SHG groups through processing of different vegetables	1	1	On	4th wk/ April/2025	3	2	3	2	8	2	14	6	20
Formation and Management of SHGs	Formation and Management of SHGs for better operation and women empowerment	1	1	Off	3rd wk/ May/2025	3	2	3	2	8	2	14	6	20

Capacity Building	Orientation and capacity building of the Farmers farm Women, SHGs and village level workers for technology dissemination in grass root level.	1	1	On	2nd wk/ Oct/2025	3	2	3	2	8	2	14	6	20
Capacity Building and income generation	Operational techniques of Sal leaf plate sewing and moulding machine by the SHG womens.	1	1	On	1st wk/ Nov/ 2025	3	2	3	2	8	2	14	6	20
ICT in Agriculture	Use of Agril related Websites for information benefits and information about govt schemes.	1	1	On	1st wk/ Dec/2025	3	2	3	2	8	2	14	6	20
Total		**8**	**8**	**-**	**-**	**24**	**16**	**24**	**16**	**64**	**16**	**112**	**48**	**160**

Discipline – Livestock Production

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**
Disease Management	Prevention & Control of Commonly occurring viral, bacterial and parasitic diseases in Poultry	1	1	Off	2nd wk/Sep/2025	3	2	3	2	8	2	14	6	20
Feed Management	Enrichment of Poor quality dry fodder.	1	1	Off	4th wk/Mar/2025	3	2	2	3	6	4	11	9	20
Total		**2**	**2**	**-**	**-**	**6**	**4**	**5**	**5**	**14**	**6**	**25**	**15**	**40**

Discipline: Soil Science

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
Soil Fertility Management	Judicious use of fertilizer in vegetable cultivation	1	1	Off	3rd wk/Jan/2025	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Micronutrient application in vegetable cultivation	1	1	Off	3rd wk/Jan/2025	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	4th wk/Mar/2025	2	1	5	6	4	2	11	9	20
Management of problematic soil	Application of lime to neutralize soil pH in rice crop field	1	1	Off	3rd wk/April/2025	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Importance and technique of green manuring crop production.	1	1	Off	4th wk/April/2025	3	2	3	2	8	2	14	6	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	2nd wk/May/2025	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Importance and technique of green manuring crop production.	1	1	Off	4th wk/May/2025	3	2	3	2	8	2	14	6	20
Natural Farming in	Natural Farming components in Rice crop.	1	1	Off	2nd wk/Jun/2025	2	1	5	6	4	2	11	9	20
Integrated Nutrient Management	Balanced fertilizer in Rice crop.	1	1	Off	3rd wk/Jun/2025	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Foliar application of micronutrient in rice	1	1	Off	4th wk/July/2025	2	1	5	6	4	2	11	9	20

Production and use of Natural Farming components	Use of jeevamruth and beejamruth in kitchen garden and in production of planting materials	1	1	Off	2nd wk/Aug/2025	2	1	5	6	4	2	11	9	20
Management of problematic soil	Application of lime to neutralize soil pH for vegetable cultivation	1	1	Off	3rd wk/ Sept/2025	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Use of micronutrient for vegetable production	1	1	Off	3rd wk/ Oct/2025	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Importance and use of micronutrient application for pulse and oilseed production	1	1	Off	4th wk/Nov/2025	2	1	5	6	4	2	11	9	20
Production and use of organic inputs	Production techniques of vermin compost	1	1	Off	2nd wk/Dec/2025	2	1	5	6	4	2	11	9	20
Total		**15**	**15**	-	-	**32**	**17**	**71**	**82**	**68**	**30**	**171**	**129**	**300**

(b) Rural youths

Discipline – Agronomy

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
Seed Production	Quality seed production of Cereals.	1	7	On	2nd wk/July/2025	2	1	2	2	6	2	10	5	15
Seed Production	Quality seed production of oilseeds Cereals.	1	7	On	2nd wk/Oct/2025	2	1	2	2	6	2	10	5	15
Seed Production	Quality seed production of pulse Cereals.	1	7	On	1st wk/Nov/2025	2	1	2	2	6	2	10	5	15
Total		**03**	**21**	**-**	**-**	**6**	**3**	**6**	**6**	**18**	**6**	**30**	**15**	**45**

Discipline – Horticulture

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
Nursery Management	Nursery Management (Gardener Training).	1	2	On	1st wk/May/2025	3	1	2	1	4	4	9	6	15
Protected Cultivation	Protected cultivation of high value horticultural Crops	1	2	On	2nd wk/Sept/2025	2	1	2	1	6	3	10	5	15
Total		**02**	**04**	**-**	**-**	**5**	**2**	**4**	**2**	**10**	**7**	**19**	**11**	**30**

Discipline –Agril. Extension

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
Mobilization of Social Capital	Agro- eco system analysis through different Tools & techniques	1	05	On	1st wk/Jun/2025	2	1	3	2	4	3	9	6	15
Mushroom cultivation	Procedure of mushroom cultivation	1	05	On	2nd wk/August/2025	2	1	3	2	4	3	9	6	15
Total		**02**	**10**	**-**	**-**	**4**	**2**	**6**	**4**	**8**	**6**	**18**	**12**	**30**

Discipline: Soil Science

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
Natural Farming	Production of Jeevamruth and other components of Natural Farming	1	5	On	1st wk/Nov/2025	2	1	2	2	6	2	10	5	15
Soil and water testing	Methods of soil and water testing	1	5	On	3rd wk/Dec/2025	2	1	5	6	4	2	11	9	20
Total		**02**	**10**			**4**	**2**	**7**	**8**	**10**	**4**	**21**	**14**	**35**

Discipline – Plant Protection

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
Bee Keeping	Modern Technique of Bee Keeping.	1	7	On	2nd Week of June 2025	4	2	5	2	5	2	14	6	20
Lac cultivation	Improved method of Lac Cultivaion	1	7	On	2nd Week of Oct. 2025	4	2	5	2	5	2	14	6	20
Bee Keeping	Modern Technique of Bee Keeping.	1	7	On	2nd Week of Dec. 2025	4	2	5	2	5	2	14	6	20
Total		**03**	**21**			**12**	**6**	**15**	**6**	**15**	**6**	**42**	**18**	**60**

(c) Extension functionaries

Discipline – Agronomy

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
Productivity enhancement in field crops	Orientation training on Productivity enhancement in field crops	1	1	Off	2nd wk/Jun/2025	3	2	3	2	8	2	14	6	20
Integrated nutrient management	Use of different nutrient in crops to increase yield in field crops	1	1	On	3rd wk/Nov/2025	3	2	3	2	8	2	14	6	20
Total		**02**	**02**	**-**	**-**	**6**	**4**	**6**	**4**	**16**	**4**	**28**	**12**	**40**

Discipline – Horticulture

Thrust area/ 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
Post harvest management	Post harvest management and different processing techniques of some horticultural crops	1	2	On	3rd wk/Dec/2025	3	2	2	2	4	2	9	6	15
	Total	**1**				**3**	**2**	**2**	**2**	**4**	**2**	**9**	**6**	**15**

Discipline – Agril. Extension

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
Value addition	Processing and value addition of horticultural fruits and Vegetables	1	1	Off	3rd wk/July/2025	2	1	8	2	9	3	19	6	25
Capacity building for ICT application	Awareness of ICT Application in Agriculture	1	1	Off	4th wk/September/2025	3	2	3	2	8	2	14	6	20
Total		**2**	**2**	**-**	**-**	**5**	**3**	**11**	**4**	**17**	**5**	**33**	**12**	**45**

Discipline – Plant protection

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
IPM & IDM	IPM & IDM is need of the days.	1	1	On	2nd Week of Aug. 2025	4	2	5	2	5	2	14	6	20
Total		**01**	**1**	**-**	**-**	**4**	**2**	**5**	**2**	**5**	**2**	**14**	**6**	**20**

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	11	33	22	55	33	22	55	88	22	110	154	66	220
Integrated Farming													
Water management													
Seed production	1	3	2	5	3	2	5	8	2	10	14	6	20
Nursery management													
Integrated Crop Management	3	9	6	15	9	6	15	24	6	30	42	18	60
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**15**	**45**	**30**	**75**	**45**	**30**	**75**	**120**	**30**	**150**	**210**	**90**	**300**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	2	2	4	4	2	6	8	2	10	14	6	20
Nursery raising	1	4	4	8	2	3	5	5	2	7	11	9	20
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Natural Farming	1	3	2	5	4	1	5	7	3	10	14	6	20
Cultivation of Vegetable	1	3	2	5	3	2	5	8	2	10	14	6	20
TOTAL	**4**	**12**	**10**	**22**	**13**	**8**	**21**	**28**	**9**	**37**	**53**	**27**	**80**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	3	2	5	3	2	5	8	2	10	14	6	20
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	**1**	**3**	**2**	**5**	**3**	**2**	**5**	**8**	**2**	**10**	**14**	**6**	**20**
c) Ornamental Plants													
Nursery Management	1	2	3	5	3	3	6	4	5	9	9	11	20
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL	**1**	**2**	**3**	**5**	**3**	**3**	**6**	**4**	**5**	**9**	**9**	**11**	**20**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	1	3	2	5	4	1	5	7	3	10	14	6	20
Processing and value addition	1	2	2	4	4	2	6	8	2	10	14	6	20
Others, if any													
TOTAL	**2**	**5**	**4**	**9**	**8**	**3**	**11**	**15**	**5**	**20**	**28**	**12**	**40**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	2	3	5	3	3	6	4	5	9	9	11	20
Post harvest technology and value addition													
Others, if any													
TOTAL	**1**	**2**	**3**	**5**	**3**	**3**	**6**	**4**	**5**	**9**	**9**	**11**	**20**
III. Soil Health and Fertility Management													
Soil fertility Management	5	12	7	19	21	22	43	28	10	38	61	39	100
Soil and Water Conservation													
Integrated Nutrient Management	1	2	1	3	5	6	11	4	2	6	11	9	20
Production and use of organic inputs	1	2	1	3	5	6	11	4	2	6	11	9	20
Management of Problematic soils	2	4	2	6	10	12	22	8	4	12	22	18	40
Micro nutrient deficiency in crops	4	8	4	12	20	24	44	16	8	24	44	36	80
Nutrient Use Efficiency													
Soil and Water Testing													
Production and use of Natural Farming inputs	2	4	2	6	10	12	22	8	4	12	22	18	40
TOTAL	**15**	**32**	**17**	**49**	**71**	**82**	**153**	**68**	**30**	**98**	**171**	**129**	**300**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	1	3	2	5	3	2	5	8	2	10	14	6	20
Feed management	1	3	2	5	2	3	5	6	4	10	11	9	20
Production of quality animal products													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any (Goat farming)													
TOTAL	**2**	**6**	**4**	**10**	**5**	**5**	**10**	**14**	**6**	**20**	**25**	**15**	**40**
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													
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													
Conservation tillage Technology													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Drudgery Reduction Farm Machinery													
Soil and water conservation practices													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	5	15	15	30	20	15	35	15	20	35	50	50	100

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Disease Management	5	15	15	30	20	15	35	15	20	35	50	50	100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**10**	**30**	**30**	**60**	**40**	**30**	**70**	**30**	**40**	**70**	**100**	**100**	**200**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
X. Capacity Building and Group Dynamics													
Leadership development	1	3	2	5	3	2	5	8	2	10	14	6	20
Group dynamics	1	3	2	5	3	2	5	8	2	10	14	6	20
Formation and Management of SHGs	3	9	6	15	9	6	15	24	6	30	42	18	60
Mobilization of social capital	1	3	2	5	3	2	5	8	2	10	14	6	20
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Capacity building for ICT application	2	6	4	10	6	4	10	16	4	20	28	12	40
TOTAL	**8**	**24**	**16**	**40**	**24**	**16**	**40**	**64**	**16**	**80**	**112**	**48**	**160**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**59**	**161**	**119**	**280**	**215**	**182**	**397**	**355**	**148**	**503**	**731**	**449**	**1180**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	2	1	3	3	2	5	4	3	7	9	6	15
Bee-keeping	2	8	4	12	10	4	14	10	4	14	28	12	40
Integrated farming													
Seed production	3	6	3	9	6	6	12	18	6	24	30	15	45
Production of organic inputs	1	2	1	3	2	2	4	6	2	8	10	5	15
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	2	1	3	2	1	3	6	3	9	10	5	15
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	3	1	4	2	1	3	4	4	8	9	6	15
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	4	2	6	5	2	7	5	2	7	14	6	20
Others if any (ICT application in agriculture)	1	2	1	3	3	2	5	4	3	7	9	6	15
Soil and water testing	1	2	1	3	5	6	11	4	2	6	11	9	20
TOTAL	12	31	15	46	38	26	64	61	29	90	130	70	200

Extension Functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	3	2	5	3	2	5	8	2	10	14	6	20
Integrated Pest Management	1	4	2	6	5	2	7	5	2	7	14	6	20
Integrated Nutrient management	1	3	2	5	3	2	5	8	2	10	14	6	20
Rejuvenation of old orchards													
Value addition	2	5	3	8	10	4	14	13	5	12	28	12	40
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	3	2	5	3	2	5	8	2	10	14	6	20
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													
Water Management													
TOTAL	**6**	**18**	**11**	**29**	**24**	**12**	**36**	**42**	**13**	**49**	**84**	**36**	**120**

4. Frontline demonstration to be conducted*

Discipline – Agronomy

Crop: Kharif Paddy, Groundnut, Green gram & Sunflower
Thrust Area: Yield enhancement in per unit area.
Thematic Area: Production Management
Season: Kharif & Rabi
Farming Situation: Rain fed and irrigated

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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Kharif Paddy (Variety- IET-2233)	2	Integrated Weed Management	Weed infestation &Yield	Pretilachlor 50 % EC	5000.00	3000.00	2	1	2	1	8	1	12	4	15
2.	Groundnut (Variety-K-1812 CS)	2	Sulphar + (Mancozeb + Carbandizem)	Yield, Disease	Seed, Sulphar & Fungicide (Mancozeb + Carbandizem), ppc	35000.00	25000.00	2	1	2	0	8	2	12	4	15
3.	Green gram Variety-Samrat (PDM-84-139)	2	Rhizobium culture medium + Micronutrient mixture	Yield	Seed + Rhizobium culture medium + Micronutrient mixture	20000.00	15000.00	2	1	2	0	8	2	12	4	15
4.	Sunflower (Hybrid variety-Suriya-51)	2	Introduce new variety in new area	Yield	Seed & Micronutrient mixture	15000.00	10000.00	2	1	2	1	8	1	12	4	15

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	Kharif Paddy, Groundnut, Green gram & Sunflower Mustard	04	Farmers and Ext. Personal	04	KVK/Farmers field On and Off	6	3	6	3	24	6	36	12	48
Field Days	Evaluation and assessment	04	Farmers and Ext. Personal	04	KVK/Farmers field, On and Off	7	3	12	3	34	6	53	12	65

Discipline – Horticulture

Crop: Lime, Chilli, Cabbage, Cauliflower, Marigold, Dragon Fruit, Cashew
Thrust Area: Poor yield
Thematic Area: Organic cultivation, Flower cultivation, Intercropping, Varietal performance
Season: Kharif, Rabi
Farming Situation: Rainfed, Irrigated

Sl. No.	Crop & variety	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)/ha			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Lime/lemon/Malta/ Mosambi/Chilli	0.25	Intercropping of Chilli in Citrus Orchard.	Yield, B:C ratio	Seed/Seedling	165000.00	150000.00	8	7	0	0	0	0	8	7	15
2	Cabbage/ Cauliflower/Winter Vegetable	0.50	Organic vegetable cultivation	Yield, B:C ratio	Seed/seedling, organic fertilizer & pesticide	157000.00	150000.00	3	2	6	4	8	7	17	13	30
3	Marigold (Bidhan gold/Bidhan Bansanti)	0.75	Promotion of Marigold cultivation	Yield, B:C ratio	Cuttings	172500.00	157500.00	10	10	0	0	0	0	10	10	20

4	Dragon fruit (Pink Rose)	0.50	Promotion of Dragon Fruit Cultivation	Yield, B:C ratio	Cuttings	1400000.00	-	15	15	0	0	0	0	15	15	30
5	Cashew	0.25	Promotion of dwarf Cashew variety: Bidhan Bonsai	Yield, B:C ratio	Sapling	52000.00	48400.00	5	5	5	5	5	5	15	15	30

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	Intercropping of Chilli in Citrus Orchard.	1	PF	1 Day	On/Off	8	7	0	0	0	0	8	7	15
Field Days	Intercropping of Chilli in Citrus Orchard.	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30
Training	Organic vegetable cultivation	1	PF	1 Day	On/Off	3	2	6	4	8	7	17	13	30
Field Days	Organic vegetable cultivation	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30
Training	Promotion of Marigold cultivation	1	PF	1 Day	On/Off	10	10	0	0	0	0	10	10	20
Field Days	Promotion of Marigold cultivation	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30
Training	Promotion of Dragon Fruit Cultivation	1	PF	1 Day	On/Off	15	15	0	0	0	0	15	15	30
Field Days	Promotion of Dragon Fruit Cultivation	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30
Training	Promotion of Dwarf Cashew variety: Bidhan Bonsai	1	PF	1 Day	On/Off	5	5	5	5	5	5	15	15	30
Field Days	Promotion of Dwarf Cashew variety: Bidhan Bonsai	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30

Discipline – Plant protection

Crop: Groundnut, Paddy, Bitterguard, Water Melon
Thrust Area: IDM & IPM
Thematic Area: Awareness about improved package & practices of Crop & Veg., other Horticultural corps, Livestock and fish production for better return
Season: Kharif and Rabi
Farming Situation: Rain fed Farming

Sl. No.	Crop & variety	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	Groundnut, Improved Variety	02 ha./ 07 Units	Control of Tikka Disease in Groundnut	% of disease infestation, Efficacy of pesticides, yield	Fungicide	60000 /ha.	58000/ha.	1	1	2	2	2	2	5	5	10
2	Paddy High yielding	02 ha./ 07 Units	Control of blight in Paddy	% of disease infestation, Efficacy of pesticides, yield	Fungicides and antibiotics	530000 /ha.	49000/ha.	1	1	2	2	2	2	5	5	10
3	Bitter guard, Improved Variety	02 ha./ 07 Units	Control of Fruit fly in Bitter guard	% of Pest infestation, Efficacy of pesticides, yield	Insecticides	280000 /ha.	270000/ha.	1	1	1	1	3	3	5	5	10
4	Improved Variety of Water Melon	02 ha./ 07 Units	Control of mites in Water Melon	% of Pest infestation, Efficacy of pesticides, yield	Acaricides	1320000 /ha.	128000/ha.	1	1	2	2	2	2	5	5	10

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	Control of Tikka Disease in Groundnut	01	Practicing Farmers	01 day	On	01	01	02	02	02	02	05	05	10
Field Days	Effect of technology for controlling Tikka Disease in Groundnut	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50
Training	Control of blight in Paddy	01	Do	01 day	On	01	01	02	02	02	02	05	05	10
Field Days	Effect of technology for controlling blight in Paddy	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50
Training	Control of Fruit fly in Bitter guard.	01	Do	01 day	On	01	01	01	01	03	03	05	05	10
Field Days	Effect of technology on controlling Fruit fly in Bitter guard.	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50
Training	Control of mites in Water Melon	01	Do	01 day	On	01	01	01	01	03	03	05	05	10
Field Days	Effect of technology on controlling mites in Water Melon.	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50

Discipline – Soil Science

Crop: Rice
Thrust Area: Poor yield
Thematic Area: Nutrient Management, Natural Farming Techniues
Season: Kharif and Rabi
Farming Situation: Irrigation and Rainfed

Sl. No.	Crop & variety	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	MTU- 7029	0.5	Application of Jeevamruth in Kharif paddy Cultivation	Yield, B:C ratio	Chelated Zinc	30000	24000	2	3	10	0	12	3	24	6	30
2	MTU-7029	0.5	Lime Application and Ghan Jeevamruth after Paddy cultivation	Yield, B:C ratio	Lime	28000	25000	3	2	6	4	8	7	17	13	30

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	Application of Jeevamruth in cultivation of Kharif Rice	1	PF	1 Day	Off	2	3	10	0	12	3	24	6	30
Field Days	Application of Jeevamruth in cultivation of Kharif Rice	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30
Training	Lime application and Ghan Jeevamruth after Paddy cultivation	1	PF	1 Day	OFF	3	3	9	2	12	2	24	6	30

Field Days	Lime application and Ghan Jeevamruth after Paddy cultivation	2	PF	2 Days	Off	2	5	2	5	4	12	8	22	30

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.)**
Seedlings	HYV	June2023-January-2025	.04	Quality Veg. & Flower Seedlings	50,000 No.	25,000.00	40,000.00	15,000.00
Saplings	Improved	Do	Do	Quality saplings of different fruit plants	1,500	30,000.00	45,000.00	15,000.00

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.)**
Paddy	MTU-7029	July2023-Decembar2025	02	10	TL	40	1,00,000.00	1,50,000.00	50,000.00
Ground - nut	TAG-24 & TAG-51	Nov2023-Feb2025	02	30	TL	40	1,20,000.00	2,00,000.00	80,000.00

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	26	173	302	475	64	26	10	36	199	312	511
2.	Kisan Mela	1	250	215	465	52	10	5	15	260	220	480
3.	Kisan Ghosthi	2	30	15	45	50	2	1	3	32	16	48
4.	Exhibition											
5.	Film Show											
6.	Method Demonstrations	15	180	105	285	68	10	5	15	190	110	300
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings											
10.	Lectures delivered as resource persons	6	65	25	90	50				65	25	90
11.	Advisory Services	110	150	75	225	58				150	75	225
12.	Scientific visit to farmers field	60	200	110	310	54	15	5	20	215	115	330
13.	Farmers visit to KVK	160	350	120	470	62				350	120	470
14.	Diagnostic visits	30	65	35	100	60	1	1	2	66	36	102
15.	Exposure visits	2	52	28	80	52	2	1	3	54	29	83
16.	Ex-trainees Sammelan	1	35	25	60	50	1	1	2	36	26	62
17.	Soil health Camp											
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	5		60	60	80	2	1	3	02	61	63
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	12	140	42	182	45	12	2	14	152	44	196
25.	Sankalp Se Siddhi	1	85	35	120	50	1	1	2	86	36	122
26.	Swatchta Hi Sewa	10	84	46	130	54	10	2	12	94	48	142
27.	Mahila Kisan Diwas	1	0	52	52	70	1	1	2	1	53	54
28.	Any Other (Specify)											
	Total	**442**	**1859**	**1290**	**3149**		**93**	**36**	**129**	**1952**	**1326**	**3278**

7. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2024)	Amount proposed to be invested during 2024-2025	Expected Return
Nil	Nil	Nil

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
CFLD on Pulse	NFSM, ICAR-ATARI	90,000.00	Demonstration
Kisan Bhagidari Campaign	ICAR-ATARI	95,900.00	Awareness Campaign
Garib Kalyan Sammelan	ICAR-ATARI	85,890.00	
NABARD IFS	ICAR-ATARI	12,000.00	Data Collection
Swachhta Action Plan	ICAR-ATARI	17,250.00	Awareness Campaign
Natural Farming	ICAR-ATARI	10,69,058.00	

9. On-farm trials to be conducted*

ON FARM TESTING – 1 (Agronomy)

Season	Kharif Season
Title of OFT	Evaluation of performance of foliar application of Nutrients at flower initiation stage on Blackgram in *kharif* season
Thematic area	INM
Problem Diagnosed	Low productivity of local cultivars during *kharif* season under rainfed farming situation in Red & Laterite area of Jhargram district.
Important Causes	Lower yield due to improper management of nutrients.
Production System	Black gram – Oilseeds / Vegetables- Sesame
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different dose of nutrients
Existing practice	Application of improper dose of nutrients
Hypotheses	Low yield of Black gram
Objectives	To increase the productivity of Black gram
Treatments	**Farmers' practice**: Farmers' cultivation practice **Technology option 1:** Farmers' practice + Foliar spray of 2 % Nano urea at flower initiation stage **Technology option 2:** Farmers' practice + Foliar spray of 2 % Nano DAP + 0.2 % Boron at flower initiation stage **For Technology option 1 and Technology option 2:** **Seed treatment**: Inoculation of seed with ***Rhizobium*** (***Rizobium*** *@ 0.75* kg / 22.5 kg of seed requiring for one hectare) **PSB** (Soil application of PSB with cow dung manure @ 1.9 *l* / ha during final land perparation)
Critical inputs	Seed, Nano Urea, Nano DAP, Boron
Unit size / Plot size	400 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	Yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	SAU

ON FARM TESTING – 2 (Agronomy)

Season	Kharif Paddy-2025
Title of OFT	**Effective of different Weed Management practice on Kharif Paddy**
Thematic area	**Weed management**
Problem Diagnosed	Heavy loss in kharif paddy due to weed
Important Causes	Low production due to lack of weed management
Production System	Paddy -Vegetables- Sesame
Micro farming system	Irrigated Medium land
Technology for testing	Application of different weed management practice
Existing practice	Use of hand weeding
Hypotheses	Poor yield of paddy in kharif season
Objectives	To assess the yield to use different weed management practice
Treatments	**Farmers' practice:** Hand weeding **Technology option 1:** Use of paddy weeder **Technology option 2:** Application of herbicide (Pretilachlor)
Critical inputs	Paddy weeder, Herbicide
Unit size	500 sq mt / plot
No. of Replications	10 farmers (3 plot each)
Unit cost	Rs. 1000/-/Plot
Total cost	Rs. 15,000/-
Monitoring indicators	Average yield per ha. Net return per unit area and Benefit cost ratio
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	**SAU**

ON FARM TESTING – 3 (Horticulture)

Sl. No.	Season: Kharif
i.	**Title of the OFT:** Assessment of varietal performance of Chrysanthemum (*Dendrathema grandiflorum*) in the red and lateritic zone of Jhargram.
ii.	**Thematic Area:** Varietal Performance
iii.	**Problem diagnosed:** Less Profit
iv.	**Important Cause:** Low yield
v.	**Production system:** Cultivation of local variety
vi.	**Micro farming system:** Irrigation
vii.	**Technology for Testing:** Varietal trial
viii.	**Existing Practice:** Cultivation of local variety
ix.	**Hypothesis:** Better yield
x.	**Objective(s):** To get more profit
xi.	**Treatments:** **Farmers Practice (FP):** Cultivation of local variety **Technology option-I:** Cultivation of the variety 'Champagne Orange' **Technology option-II:** Cultivation of the variety 'Urban' **Technology option-III:** Cultivation of the variety 'Star' **Technology option-IV:** Cultivation of the variety 'Aishwaria'
xii.	**Critical Inputs:** Seed
xiii.	**Unit Size:** 0.5 ha
xiv.	**No of Replications:** 10 farmers
xv.	**Unit Cost:** Rs. 3000.00/-
xvi.	**Total Cost:** Rs. 30,000/-
xvii.	**Monitoring Indicator:** Fruit yield per ha., Net return per unit area and Benefit cost ratio**.**
xviii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Kavitha, P.S., Sudha, A., & Sriram, N. (2019). Assessment of Chrysanthemum (*Dendrathema grandiflorum*) varieties for Yield and Productivity in Salem District. J Krishi Vigyan, 8 (**1**): 8-12.

ON FARM TESTING – 4 (Horticulture)

Sl. No.	Season: Kharif
i.	**Title of the OFT:** Assessment of performance of different Tuberose (*Polianthes tuberosa* L) varieties in the red and lateritic zone of Jhargram in monsoon.
ii.	**Thematic Area:** Varietal Performance
iii.	**Problem diagnosed: Less profit**
iv.	**Important Cause:** Cultivation of conventional crops
v.	**Production system:** Cultivation of conventional crops
vi.	**Micro farming system:** Irrigation
vii.	**Technology for Testing:** Varietal trial
viii.	**Existing Practice:** Cultivation of local variety
ix.	**Hypothesis: More profit**
x.	**Objective(s):** To get more profit
xi.	**Treatments:** **Farmers Practice (FP):** Local variety. **Technology option-I:** Cultivation of the variety 'Prajwal' **Technology option-II:** Cultivation of the variety 'Bidhan Snigdha' **Technology option-III:** Cultivation of the variety 'Bidhan Ujjal'
xii.	**Critical Inputs:** Bulb
xiii.	**Unit Size:** 1080 sq .ft
xiv.	**No of Replications:** 10 farmers
xv.	**Unit Cost:** Rs. 240/-
xvi.	**Total Cost:** Rs. 2400/-
xvii.	**Monitoring Indicator:** Av. Height of stick, No of florets/stick, Av. yield per ha, Net return per unit area and Benefit cost ratio**.**
xviii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Sivakumar V. *et al*. (2020) Assessment of Tuberose (*Polianthes tuberosa* L.) Varieties for Growth and Flower Yield, *Int.J.Curr.Microbiol.App.Sci*., **9(8)**: 1082-1086

ON FARM TESTING – 5 (Horticulture)

Sl. No.	Season: Rabi
i.	**Title of the OFT:** Assessment of Fertigation Schedule in Brinjal (*Solanum melongena* L.)
ii.	**Thematic Area: Precision Farming**
iii.	**Problem diagnosed: Indiscriminate use of Fertilizers**
iv.	**Important Cause:** Cultivation of conventional crops
v.	**Production system:** Cultivation of conventional crops
vi.	**Micro farming system:** Irrigation
vii.	**Technology for Testing: Performance of split doses of fertilizes with irrigation water.**
viii.	**Existing Practice: Conventional crops are grown with indiscriminate dose of fertilizers only as basal and two top dressing**
ix.	**Hypothesis: To increase the quality, yield and profitability.**
x.	**Objective(s):** To get more profit
xi.	**Treatments:** **Farmers Practice (FP):** Indiscriminate dose of fertilizers only as basal and two top dressing (42 & 60 DAT) **Technology option-I:** Application of 75% of RDF at 10, 30, 50, 60 & 80 DAT. **Technology option-II:** Application of 100% of RDF at 10, 30, 50, 60 & 80 DAT. (RDF: 200:150:100 Kg/ha)
xii.	**Critical Inputs:** Water soluble fertilizers.
xiii.	**Unit Size:** 0.13 ha
xiv.	**No of Replications: 7** farmers
xv.	**Unit Cost:** Rs. 1800/-
xvi.	**Total Cost:** Rs. 12600/-
xvii.	**Monitoring Indicator:** Crop duration, Yield, BC ratio
xviii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** TNAU and Vijaya Kumar G. *et al*. **(2010)**. *International Journal of Bio-resource and stress management*. Vol: 1, Issue: 2, (**72-76**) Print ISSN: 0976-3988. Online ISSN: 0976-4038.

ON FARM TESTING – 6 (Plant Protection)

Season	**Summer**
Title of OFT	**Control of Fruit Flies in Ridge Guard by using different Pesticides**
Thematic area	IPM
Problem Diagnosed	Damage of Ridge Guard due to severe attack of Fruit Flies
Important Causes	Attack of Fruit Flies
Production System	Rice – Vegetables,
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different **pesticides to control the Fruit Flies**
Existing practice	Application of different pesticides as per directives of the local input dealers
Hypotheses	Low yield of fresh ridge guard
Objectives	To control the Pest effectively and enhance the yield of fresh ridge guard
Treatments	**Farmers practice:** Application of different pesticides as per directives of the local input dealers **Technology Option-I:** Application of Spinosad 45 SC @ 0.25 ml. / lt. water at 10 days interval during fruiting season. **Technology Option-II:** Application of Emamectin benzoate 5 SG @ 1 gm / lt. water at 10 days interval during fruiting season. **Technology Option-III:** Application of Deltamethrin 2.8 EC @ 1.25 ml. / lt. water at 10 days interval during fruiting season.
Critical inputs	Pesticides
Unit size / Plot size	200 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	% of pest infestation, efficacy of treatments, yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	International Journal of Chemical Studies 2018; 6(5): 2428-2432

ON FARM TESTING – 7 (Plant Protection)

Season	**Rabi Season**
Title of OFT	**Control of Stem Rot of Ground-nut by using different control measures**
Thematic area	IDM
Problem Diagnosed	Yield loss in Ground-nut due to heavy infestation of Stem Rot
Important Causes	**Infestation of Stem Rot**
Production System	Rice – Oilseeds / Vegetables
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different **Fungicides and Antibiotic to control the Stem Rot**
Existing practice	Application of **fungicides** as per directives of the local input dealers
Hypotheses	Low yield of **Ground-nut**
Objectives	To control the Disease effectively for save the crops and enhance the yield of **Ground-nut**
Treatments	**Farmers practice:** Application of Fungicides as per directives of the local input dealers **Technology Option-I:** *Seed treatment with Trichoiderma viridi 1.15 % wp @ 3 gm. + Pseudomonous fleorescens 0.5 WP @ 3gm. / kg. of seed and basal* Application of *Trichoiderma viridi* 1.15 % wp @ 3 gm. + *Pseudomonous fleorescens* 0.5 WP @ 1gm. / lt. water at 21 days after seed sowing. **Technology Option-II:** *Seed treatment with Carbendazim 50% wp @ 3 gm. + Validamycin 3% L @ 3 ml / kg. of seed and basal* Application of *Carbendazim 50% wp @ 1.5 gm. + Validamycin 3% L @ 1.5 ml //* lt. water at 21 days after seed sowing. **Technology Option-III:** *Seed treatment with Trichoiderma viridi 1.15 % wp @ 3 gm. + Pseudomonous fleorescens 0.5 WP @ 3gm. / kg. of seed and basal* Application of *Carbendazim 50% wp @ 1.5 gm. + Validamycin 3% L @ 1.5 ml //* lt. water at 21 days after seed sowing
Critical inputs	**Fungicides and Antibiotics**
Unit size / Plot size	200 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	% of disease infestation, efficacy of treatments, yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	AICRP (RRS, BCKV, Jhargram)

ON FARM TESTING – 8 (Soil Science)

Season	Kharif 2025
Title of OFT	**Assessing the effect of Organic and Inorganic fertilization on Yield and Quality of Groundnut**
Thematic area	Soil Fertility and Nutrient Management
Problem Diagnosed	The soil health is degraded by the over use of chemical fertilizers and subsequently low benefit cost ratio incurred by the farmer
Important Causes	High dependence on Chemical Fertilizer
Production System	Rice based cropping systems
Micro farming situation	Rain fed Medium land
Technology for testing	Natural Farming techniques
Existing practice	High input of Chemical fertilizer and reducing yield
Hypotheses	By using Organic farming techniques, a huge amount of cost of production can be brought down along with conserving and increasing the quality of soil
Objectives	To implement Organic farming techniques and reducing the dependence on chemical fertilizer
Treatments	**Farmers Practice (FP):** Conventional methods of fertilizers application in Groundnut **Technology option-I:** Application of Cow urine@10% and Panchakavya @3% each at 45 and 60 DAS **Technology option-II:** Application of N:P:K (20:60:40) + 25kg/ha Sulphur at Pegging stage + Application of Gypsum @400kg/ha on two split doses (200kg/ha at 30 DAS and 200kg/ha at Flowering stage) **For Technology option 1 and Technology Option 2** **Seed Treatment:** Inoculation of seed with *Trichoderma* (*Trichoderma* @4-5/kg)
Critical inputs	Gypsum, Sulphur. Seeds (JL 24/ TG 51)
Unit size / Plot size	$100m^2$ /Plot
No. of Replications	10
Design	
Unit cost	4000/farmer
Total cost	40000
Monitoring indicators	Yield/Ha, B:C Ratio and Economics.
Source of technology	TNAU, ATARI- Kolkata

ON FARM TESTING – 9 (Soil Science)

Season	Aman Paddy
Title of OFT	Assessment of Performance of different kinds of Inputs on the yield of Aman Paddy
Thematic Area	INM
Problem Diagnosed	High cost of Production
Important Causes	High Fertilizer application and Forming of Hard Crust on the soil, affecting Cropping System
Production System	Paddy-Vegetable-Sesame
Micro Farming System	Irrigated Medium Land
Technology for testing	Application of different bio stimulants and other Natural Farming Components
Existing Practice	No use of bio stimulants and Exessive use of Chemical Fertilizer and Pesticides
Hypothesis	Poor yield of Paddy and incessant infestation of Pest & Diseases
Objective	To Assess the Yield, BC ratio and Soil Health Status of the Aman Paddy
Treatments	**Farmers Practice :** Conventional application of fertilizers **Technology option – I :** Application of Ghan Jeevamrutha 2 tonnes/ha during field preparation and while sowing. Jeevamrutha application every (15 to 20 days) after 4leaf stage of Paddy crop **Technology –II :** FYM 5 Tonnes/ha during land preparation , Vermicompost and Compost application every 20 days along with Amirtha Karaisal (25l/ ha) thrice during the growth phase and Panchagavya 3% at booting and tillering stage.
Critical Inputs	Seeds, Drum for Preparing bio stimulants
Unit Size	500 sq mt/ Plot
No. of Replication	1o Farmers (3 plot each)
Unit Cost	Rs 1500/ Plot
Total Cost	Rs 15000
Monitoring Indicators	Average Yield per ha, Net return per unit area, Benefit Cost Ratio, Soil Health Status
Source of Technology	TNAU, MANAGE

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.	ATMA, Jhargram	5,00,000.00

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2024	Proposed date during 2025
15th March, 2024	Second week of March 2025

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	150	25	30	90	50	70	60	185	140	325	40	100
Water Samples	10	-	-	10	0	10	0	20	0	20	5	-
Other (Please specify)												
Total	160	25	30	100	0	80	60	205	140	345	45	100

14. Fund requirement and expenditure (Rs.)*

Sl. No.	Item of Expenditure	Actual Expenditure (last year) up to 31.03.2025 (Rs.)	Expected Fund Requirement from 01.04.2025 to 31.03.2026	Recommended by BE/SMD
A.	***RECURRING:***			
	Pay & Allowances	98,60,918.00	1,40,00,000.00	
	TA/DA	1,20,000.00	2,50,000.00	
	H.R.D.	14,924.00	30,000.00	
	Contingencies:			
	(a) Stationary, Telephone, Electricity, etc.	6,98,967.00	10,00,000.00	
	(b) POL, Repairing of Vehicle/Tractor, etc.		2,00,000.00	
	(c) Trg. of Farmers/Farm Women		2,00,000.00	
	(d) Trg. of Rural Youth		1,00,000.00	
	(e) Training of Extn. Functionaries		50,000.00	
	(f) Training Material		1,00,000.00	
	(g) On-farm Testing		1,20,000.00	
	(h) Front Line Demonstration		1,20,000.00	
	(i) Maintenance of Building		40,00,000.00	
	(j)SCSP	10,97,674.00	18,00,000.00	
	(k) Soil & Water Testing Lab		1,10,00,000.00	
	Total (A)	**1,17,92,483.00**	**3,29,70,000.00**	
B.	***NON-RECURRING*:**			
	Boundary Wall	-	1,20,00,000.00	
	Equipments/Furniture	-	30,00,000.00	

	Library	9462.00	10,000.00	
	Admn. Building	-	-	
	Farmers' Hostel (Sm)	-	1,50,00,000.00	
	Staff Quarter	-	-	
	Vehicle & Implementation Shed	-	-	
	New Vehicle (Tractor 42 HP for hard soil)	-	12,00,000.00	
	Road Formation	-	-	
	Other Demonstration Units	3,50,000.00	20,00,000.00	
	TOTAL (B):	**3,59,462.00**	**3,32,10,000.00**	
	GRAND TOTAL (A+B):	**1,21,51,945.00**	**6,61,80,000.00**	

* 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

Sr. Scientist & Head
Jhargram KVK