

ANNUAL ACTION PLAN 2017-18

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INTRODUCTION

Uttar Dinajpur Krishi Vigyan Kendra is vested with the responsibilities to bring forth agricultural vis-à-vis rural development in the rural blocks of Uttar Dinajpur District through its mandated activities on training of practicing farmers, rural youth and extension functionaries, front line demonstration and on farm testing/adoptive trials to enhance the total production of the district as well as self-employment generation.

Uttar Dinajpur district is situated in between Darjeeling and South Dinajpur district of West Bengal in North South direction whereas; it is surrounded by Bihar and Bangladesh in West and East direction respectively.

Out of 3, 12,466 ha geographic area of the district 87.23% area is under cultivation. The district comprises of two sub-divisions, namely, Raiganj and Islampur. There are four blocks under Raiganj sub-division whereas Islampur sub-division consists of five blocks; among which the Uttar Dinajpur K.V.K. farm is situated in Chopra Block. The latitude and longitude of the farm is $26^{\circ} 21' 18''$ N and $88^{\circ} 16' 36''$ E respectively. Uttar Dinajpur district lies between $25^{\circ} 11' N$ to $26^{\circ} 49' N$ latitude $87^{\circ} 49' E$ to $90^{\circ} 00' E$ longitude.

Uttar Dinajpur district belongs to both of Terai and Old Alluvial zone. Islampur sub-division comes under Terai zone whereas, Raiganj sub-division falls under Old Alluvial zone. This district experiences as typical subtropical pre-humid climate with high annual rainfall (average $2087 \text{ mm year}^{-1}$) mostly concentrated in between June to September. The heavy rains often cause flood in some areas. The relative humidity varies from 64.32% - 98.31%.

The soil of this area is alluvium and mostly sandy to sandy-loam in texture and porous. As a consequence of leaching of bases due to heavy rainfall in this region, soil reaction is moderately to strongly acidic (pH varies from 4.5 to 6.2). The organic matter content is medium to high. Available P and K status is low to medium. Phosphate fixation capacity is high. Ca and Mg and some of the important micronutrients are deficient. The productivity of the soil is generally low but there is tremendous scope for improving the same by soil amelioration with Dolomite available in Jayanti hills.

The period from November to February is dry but cool. High ground water and prolonged winter are found to be favourable factors contributing to successful raising of a good number of *rabi* crops. Rice, jute, Potato, Ginger, Pineapple etc. are major crops of this district. However, there is a trend to convert the agricultural lands into tea gardens.

AGRO-CLIMATIC ZONE AND FARMING SITUATION OF THE DISTRICT AT A GLANCE

- **Latitude:** 25°11' N to 26°49' N
- **Longitude:** 87°49' E to 90°00' E
- **Altitude :** 63.4 m AMSL
- **Agro-climatic Zone:** Both Terai and Old Alluvial Zone
- **Avg. Rainfall:** 2087 mm year⁻¹
- **Relative Humidity:** Varies from 64.32% - 98.31%
- **Soil:** Alluvium and mostly sandy to sandy-loam in texture and porous
- **Soil Reaction:** Moderately to strongly acidic (pH varies from 4.5 to 6.2)
- **Soil Nutrient Status:** The organic matter content is medium to high. Available P and K status is low to medium. Phosphate fixation capacity is high. Ca and Mg and some of the important micronutrients are deficient.

IDENTIFICATION OF PROBLEMS AND THRUST AREAS

Thrust area for taking up different activities of KVK has been identified through survey and participatory rural appraisal in different villages. Survey was conducted through formal questionnaire. Among the PRA tools and techniques following tools were used.

1. Transect walk and transect diagram.
2. Participatory mapping.
 - a) Land resource map.
 - b) Social map.
 - c) Water resource map.
3. Seasonality diagram.
 - a) Distribution of rainfall
 - b) Insect, pest attack of crops.
 - c) Demand and supply of labour.
 - d) Involvement of people in local festivals.
4. Matrix scoring and ranking.
 - a) Matrix ranking.
 - b) Paired matrix ranking.
5. Wealth ranking.
 - a) Very poor – those who can maintain their family only upto six months.
 - b) Poor- those who can maintain their family for more than six months but less than one year.
 - c) Middle class – those whose yearly income is almost equal to their yearly expenditure.
 - d) Rich – those whose yearly income exceeds their yearly expenditure i.e. they can save some amount of money at the end of the year.
6. Identification of problems through brainstorming.
7. Causal diagram.
8. Venn diagram.

From analysis of problem through causal diagram in PRA the intervention points have come out.

PROBLEMS IDENTIFIED

- Low productivity of different crops and vegetables
- Occurrence of micronutrient deficiencies in different crops and vegetables due to soil acidity
- Poor coverage and yield of pulses and oilseed crops
- Indiscriminate use of pesticides in different crops and poor management practices
- Lack of Scientific knowledge among fish farmers for optimally harnessing the available water resources
- Low productivity of animal resources due to Indigenous breed and poor management
- Lack of awareness and knowledge among farm women for drudgery reduction.
- Lack of milk production due to unavailability of grazing land and forage crops

THRUST AREAS IDENTIFIED

- Introduction of suitable variety, sequence and management strategies for crops and vegetables
- Crop Diversification
- Resource conservation
- Use of micronutrient, bio-fertilizers and organic manures for maintaining sustainable soil health
- Introduction of judicious and eco-friendly pest management of different crops.
- Breed improvement and disease & nutritional management of animal resources.
- Introduction of suitable fish culture practices in the available water resources
- Empowerment of women in decision making through self-sufficiency
- Drudgery reduction of farm women.
- Nutritional management of resource poor farm families.
- Human Resource Development through training and demonstration of improved agricultural technologies.
- Entrepreneurship development through training for income generation (Mushroom cultivation, vermicompost)
- Introduction of backyard cultivation for increase of milk production and fodder seed production programme.

EXECUTIVE SUMMARY OF THE TRAINING PROGRAMME

7 A). Abstract of Training Programme Practicing Farmers, Rural Youth and Extension functionaries (including pulses and oilseeds)

Topic of Training (Discipline wise)	No. of courses	Trainee days	No. of Trainees Trained											
			Others			SC			ST			Total		
			M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.
Practicing Farmers:														
Plant Protection & Agronomy	40	2290	231	4	235	287	13	300	173	87	260	691	104	795
Horticulture	25	1770	102	57	159	131	63	194	166	81	247	399	201	600
Fishery Science	18	1080	108	0	108	232	5	237	15	0	15	355	5	360
Home Science	21	1340	0	142	142	0	148	148	0	130	130	0	420	420
Multi Disciplinary (All discipline)	8	540	55	22	77	47	22	69	14	20	34	116	64	180
Total:	112	7020	496	225	721	697	251	948	368	318	686	1561	794	2355
RY														
Plant Protection & Agronomy	4	275	27	2	29	26	0	26	0	0	0	53	2	55

Horticulture	3	225	10	6	16	14	7	21	7	1	8	31	14	45
Fishery Science	3	225	22	0	22	20	0	20	3	0	3	45	0	45
Home Science	3	460	0	16	16	0	20	20	0	29	29	0	65	65
Total:	13	1185	59	24	83	60	27	87	10	30	40	129	81	210
EF														
Horticulture	1	60												20
Senior Scientist & other office associates	5	550												110
Fishery Science	1	60												20
Home Science	3	165												55
Total:	10	835												205
GRAND TOTAL	135	9040	555	249	804	757	278	1035	378	348	726	1690	875	2770

TRAINING PROGRAMME

PRACTICING FARMERS

DISCIPLINE: *Agronomy & Plant Protection* :

COURSE FACILITATOR: Dr. Dhananjoy Mandal, Sr. Scientist and Head and Dr. Soumen Mahapatra, Farm Manager

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II - Qtr. April, 2017	Integrated Crop Manage ment	Scientific agro- techniques for production of jute	<p>* Farmers will be aware of new improved varieties and seed treatment method</p> <p>* Farmers will get knowledge about the importance of weed control and different methods of weed management</p> <p>* Farmers will be acquainted with the proper nutrient scheduling</p>	OFF	1	3	20	60	10	0	10	0	0	0	20	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II - Qtr. May, 2017	Resource Conser- vation	Zero Tillage Rice cultivation	<ul style="list-style-type: none"> ❖ Farmers will be able to understand the importance of new technique of rice cultivation ❖ They will be able to know the proper cultivation technique of rice using Zero Tillage machine ❖ They will be given the proper weed management technique of ZT DSR 	ON (One for TSP)	2	3	20	120	10	0	10	0	15	5	35	5
II - Qtr. May & June, 2017	Nursery Manage ment	Raising of healthy rice seedlings following improved agro- techniques	<ul style="list-style-type: none"> * Farmers will be able to screen healthy seeds using brine solution. * Farmers will get proper knowledge and techniques of seed treatment * Farmers will be able to 	ON/ OFF	2	3	20	120	15	0	20	0	5	0	40	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			know about different techniques of rice nursery raising													
III & IV Qtr. June & July, 2017	Integrated Crop Manage- ment	Integrated Nutrient and Weed Management for higher productivity of <i>Kharif</i> rice.	* Farmers will be able to use balance nutrient at proper time and dosage. * Farmers will be able to develop skill to control weeds by mechanical and chemical means.	OFF	2 (one TSP)	3	20	120	10	0	10	0	15	5	35	5

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III & IV Qtr. July&Aug., 2017	Nutrient Management	Judicial Nitrogen Management of rice using LCC	* Farmers will be able to know about LCC. * They will be able to develop skill regarding use of LCC. * They will be able to understand the use of judicious fertilizers specially nitrogen as per requirement	ON/ OFF	2 (one TSP)	3	20	120	10	0	10	0	15	5	35	5
IV - Qtr. Nov., 2017	Integrated Crop Management	Improved package of practices for potato cultivation.	* Farmers will be able to select quality seeds and seed treatment measures. * Farmers will develop knowledge about balanced nutrient & irrigation management.	OFF	1	3	20	60	10	0	10	0	0	0	20	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
IV - Qtr. Nov. & Dec. 2017	Soil Testing	Method of soil sample collection and preparation	* Farmers will be able to know the importance of soil testing. * Farmers will develop knowledge about the method of soil sample collection.	ON	2 (one TSP)	3	20	120	8	0	12	0	14	6	34	6
IV - Qtr. Nov. & Dec., 2017	Integrated Crop Manage- ment	Improved package of practices for Rapeseed and Mustard cultivation.	* Farmers will be able to select quality seeds and seed treatment measures. * Farmers will develop knowledge about balanced nutrient, weed management& irrigation management.	ON/ OFF	2 (one TSP)	3	15	90	5	0	10	0	10	5	25	5
IV - Qtr. Nov. & Dec.,	Resource Conser- vation	Zero tillage technology of wheat	* To know the methodology of sowing wheat seed through zero	ON	1	3	20	40	10	0	10	0	0	0	20	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
2017		cultivation	tillage machine													
IV - Qtr. Dec., 2017	Nursery Managem ent	Raising Boro Rice nursery with polythene mulch and under poly tunnel	* To impart knowledge about the importance of polythene mulch in nursery * To impart skill regarding the methodology of raising boro nursery using polythene mulch and poly tunnel.	OFF	1	3	20	60	6	4	8	2	0	0	14	6
IV - Qtr. Dec., 2017	Resource Conservati on	Improved techniques of <i>Boro</i> rice cultivation following SRI technique	* To impart knowledge about proper agro- techniques of raising rice seedlings * To impart knowledge about proper transplanting method, weed and nutrient	OFF	1	3	20	60	10	0	10	0	0	0	20	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			management													
I – Qtr. Jan & Feb., 2018	Crop Diversifica tion	Crop Diversification with special reference to hybrid maize cultivation	* To make the farmers aware about crop diversification * To impart knowledge about proper agro- techniques of raising hybrid maize	ON/ OFF	2 (one TSP)	3	20	120	10	0	8	2	12	8	30	10
Total					19	36	235	1090	114	4	128	4	86	34	328	42

SUBJECT: Horticulture:

COURSE FACILITATOR: Dr. Moutusi Dey, SMS (Horticulture)

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II – Qtr. April, 2017	Production and management technology	Improved cultivation and processing technique of Turmeric, Ginger and elephant foot yam	<p>* Farmers will be able to know about agro-techniques and improved varieties of crops</p> <p>* Farmers will develop skill on propagation and planting techniques including mulching practices for better crop growth and yield.</p> <p>* They will be able to know the scientific curing process and they will be able to produce the seed rhizome</p>	ON/ OFF	2 (TSP-1)	3	20	120	4	2	10	4	16	4	30	10

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II – Qtr. May, 2017	Management of orchard	Scientific management practices of mango orchard	*Farmers will be able to know the scientific management practices * Farmers will develop better skill on proper plant protection techniques * they will also able to know the right process of harvesting and check the post harvest loss	OFF	1	3	25	75	7	0	13	0	5	0	25	0
II – Qtr. May, 2017	Production and management technology	Management practices of coconut and arecanut	* Farmers will be able to know about improved varieties and nursery management of crops * Farmers will develop skill on proper crop management practices	ON	1	3	20	60	5	3	8	4	5	0	18	7

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			for better crop growth and yield. * They will be able to know the pest and disease management of the crops													
II – Qtr. June, 2017	Off season vegetable	Scientific management practices of rainy season cauliflower	*farmers will able to fetch some more income * they will able to know the precautions they have to take during the rainy season * crop diversity	OFF	1	3	25	75	0	0	0	0	20	5	20	5
II – Qtr. June, 2017	Management of orchards	Management practices of young mango and guava orchard	* Farmers will develop skill on proper crop management practices for better crop growth and yield.	OFF	1 (TSP)	3	25	75	0	0	0	0	18	7	18	7

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			* They will be able to know the pest and disease management of the crops													
III – Qtr. July, 2017	Resource Conservation Technology	Better space management for higher profitability in horticultural crops.	* To know about natural resource, intercrop, cover crop, multistoried cropping etc. *To get better profit per unit area. *To generate supplement income.	ON	1	3	25	75	7	3	7	3	3	2	17	8
III – Qtr. July, 2017	Production of low volume and high value crops	More profit with coloured capsicum	*Farmers will know the concept of crop diversity * Farmers will know the production technique of coloured capsicum * farmers will able to calculate the B:C ratio of	ON	1	3	20	60	8	2	8	2	0	0	16	4

Quarter/ Month /	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			the crop													
III – Qtr. Aug, 2017	Nurseries raising	Proper preparation of seedbed for raising healthy seedlings.	*Farmers will be able to select appropriate land for seedbed. *Farmers will develop skill on seedbed preparation, seed treatment and management practices for raising healthy seedlings.	ON/ OFF	2 (TSP- 1)	3	25	150	10	2	8	5	19	6	37	13
III – Qtr. Sept., 2017	Exotic vegetable Cultivation	Cultivation of non- conventional winter vegetable	* Farmers will be able to acquire knowledge and skill to cultivate non- conventional crops like, Broccoli and Red cabbage for an additional income.	ON	1	3	25	75	9	2	8	3	3	0	20	5
III – Qtr.	Exotic fruit	Cultivation of non-	* Farmers will be able to acquire knowledge and	ON	1	3	25	75	6	3	9	3	3	1	18	7

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
Sept., 2017	Cultivation	conventional fruits	skill to cultivate non-conventional fruit crops like dragon fruit, strawberry, water apple, ber etc. for an additional income.													
IV – Qtr. Sept., 2017	Production and management technology	Winter vegetable cultivation	* Farmers will be able to know about agro-techniques and improved varieties of winter vegetables * They will be able to know the crop protection measures * They will be able to know the scientific storage process.	OFF	1	3	25	75	8	4	9	4	0	0	17	8
IV – Qtr. Oct.,	Production and	Winter vegetable cultivation	* Farmers will be able to know about agro-	OFF	1 (TS)	3	25	75	0	0	0	0	18	7	18	7

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
2017	management technology		techniques and improved varieties of winter vegetables * They will be able to know the crop protection measures * They will be able to know the scientific storage process.		P)											
IV – Qtr. Oct., 2017	Production and management technology	Improved cultivation technique of Papaya	* Farmers will be able to know about agro-techniques and improved varieties of papaya * They will be able to know the crop protection measures	ON/ OFF	1 (TSP-1)	3	20	120	0	0	0	0	15	5	35	5
IV – Qtr. Nov.,	Production and	Improved cultivation technique of	* Farmers will be able to know about agro-	ON/ OFF	1	3	20	60	10	0	10	0	0	0	20	0

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
2017	management technology	chilli	techniques and improved varieties of chilli * They will be able to know the crop protection measures													
IV – Qtr. Dec., 2017	Disorder management	Common disorder of some major horticultural crops and their control	* Skill development about identification of disorder *Management practices of major disorder of horticultural crops	ON	1	3	20	60	5	3	8	4	0	0	13	7
IV – Qtr. Dec., 2017	Production and management technology	Alternative income through spices cultivation	*farmers will be able to know the importance of spices in better livelihood *area under spice cultivation will increase *they will know the	OFF	1	3	25	75	0	14	0	11	0	0	0	25

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			processing procedure of spices													
I – Qtr. Jan., 2017	Production and management technology	Improved cultivation technique of guava	* Farmers will be able to know about agro-techniques and improved varieties of guava * They will be able to know the crop protection measures	OFF	1 (TSP)	3	25	75	0	0	0	0	18	7	18	7
I – Qtr. January, 2018	Export potential fruits	Cultivation practices of export quality pineapple	* Farmers will be able to select quality suckers. * Farmers will develop knowledge and skill about sucker treatment, spacing and other intercultural operations for export quality pineapple cultivation for quality fruit and higher	ON	1	3	25	75	8	3	10	4	0	0	18	7

Quarter/ Month /	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			yield.													
I – Qtr. Feb, 2018	Production and management technology	Techniques of cultivation of Summer vegetables with special reference to cucurbits.	* Farmers will develop knowledge about proper techniques of summer vegetables cultivation and pollination of cucurbits. * Farmers will acquire knowledge about germination, trailing, distribution of creepers and management practices of summer vegetables.	OFF	2 (1-TSP)	3	25	150	8	4	10	3	18	7	36	14
I – Qtr. Feb., 2018	Management of orchard	Scientific management practices of fruit plants during pre- flowering	*Farmers will be able to know the scientific management practices (mainly the pre- flowering stage) of different fruits	OFF	1	3	25	75	7	0	13	0	5	0	25	0

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
		stage	* Farmers will develop better skill on proper plant protection techniques * they will also able to know the right process of harvesting and check the post harvest loss													
I – Qtr. March ., 2018	Processing and value addition	Importance, processing and value addition of different spices	* Farmers will be able to know about the use and nutritive value of different spices * They will be able to know the processing and value addition of the spices	ON/OFF	2 (TSP-1)	3	25	150	0	12	0	13	0	25	0	50
TOTAL					25	63	495	1770	102	57	131	63	166	81	399	201

SUBJECT: *Plant Protection;*

COURSE FACILITATOR: *Dr. Dhananjay Mandal, Sr. Scientist and Head & SMS (Plant Protection) and Dr. Soumen Mahapatra, Farm Manager*

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II - Qtr. April, 2017	IDM	Disease managemen t of jute	* Farmers will be able to identify the major diseases. * They will be able to adopt better disease management practices	ON	1	3	20	60	10	0	10	0	0	0	20	0
II - Qtr. May 2017	Seed Treat ment	Techniques of seed treatment of different crops	* Farmers will be able to learn the seed treatment procedures of different crops as a means of better crop management	OFF &ON	2 (one TSP)	3	20	120	8	0	10	2	14	6	32	8

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III- Qtr. June - Sept., 2017	Integrated Pest Management	Techniques of Integrated Pest Management of <i>kharif</i> rice.	* Farmers will be able to identify major insects and diseases including predators and parasites of major pests. * They will be able to select eco-friendly chemicals at proper time and dosage.	ON & OFF (In different phase)	2 (One TSP)	3	20	120	12	0	8	0	15	5	35	5
III - Qtr. July, 2017	Integrated Disease Management	Use of bio pesticide and bio-fertilizer for disease management	* Farmers will be able to understand about the soil health and the use of bio pesticide in the soil to protect the crops from diseases. * Chemical pesticide load in the field will be reduced.	ON/ OFF	2 (one TSP)	3	20	120	5	0	15	0	10	10	30	10

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III - Qtr. Aug, 2017	Integrated Pest Management	Integrated Pest Management of Brinjal fruit and shoot borer (through Pheromone trap & Neem based pesticides)	* Farmer will be able to acquire the knowledge and skill for pheromone trap installation, change of lure, shoot clipping etc. for the control of BFSB. * They will be able to learn the application of neem based pesticide with proper time and dose.	ON/ OFF	2 (one TSP)	3	20	120	12	0	6	2	14	6	32	8
III - Qtr. Sept., 2017	Pesticide handling	Handling and care of pesticide.	* Farmer will be able to learn safety measures of pesticide before, after and during application. * They will be able to take precautions from hazards of the pesticides	ON	1	2	20	40	10	0	15	0	0	0	25	0

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III- Qtr. Oct., 2017	Pesticides Compatibility	Compatibility of pesticides (Between pesticides & Micronutrient)	* Farmers will be able to learn compatibility of the chemicals (selection) in view of reducing cost of application.	ON/ OFF	2 (one TSP)	2	20	80	8	0	12	0	10	10	30	10
IV- Qtr. Nov., 2017	Integrated Pest Management	Management of aphid in mustard.	* Farmers will be able to learn proper management of aphid through cultural practices as well as proper selection of chemicals, dosage and time of application.	ON/ OFF	2 (one TSP)	3	20	120	6	0	14	0	12	8	32	8

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
IV - Qtr. Nov & Dec 2017	Integra ted Diseas e Manag ement	Disease managemen t of potato	* Farmer will be able to identify major diseases. * They will develop skill of Integrated disease managem- ent (tuber treatment, choice of suitable var. recommended NPK, suitable chemicals with proper dosage and intervals).	ON	1	3	20	60	8	0	12	0	0	0	20	0
IV- Qtr. Dec., 2017	Integra ted Diseas e Manag ement	Disease managemen t of winter vegetables (Cole crops and)	* Farmer will be able to identify of major diseases. * They will also be able to select proper chemicals, dosage and time of application.	On/ OFF	2 (one TSP)	3	20	120	5	0	15	0	12	8	32	8

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
I-Qtr. Jan., 2018	Integrated Pest Management	Management of insect & disease of Maize.	* Farmer will be able to identify major insects and diseases of Maize & their better management through proper chemicals, dosage and time of application.	OFF	1	3	20	60	8	0	12	0	0	0	20	0
I Qtr Jan., 2018	Integrated Pest Management	Pest management of summer vegetables	* Farmer will be able to identify major insects of summer vegetables and will be able to adopt proper cultural, biological and chemical control measures.	ON	1	3	20	60	10	0	10	0	0	0	20	0
I - Qtr. Feb., 2018	Integrated Pest Management	Pest management of pineapple with special reference to Mealy bug.	* Farmers will be able to identify mealy bug and their damage symptoms and adopt better management of mealy bug	ON	1	3	20	60	10	0	10	0	0	0	20	0

Quart er/ Mont h/ Year	Thema tic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
I Qtr March , 2018	Integra ted Pest Manag ement	Pest manage- ment of fruit crops specially mango, Coconut banana, jackfruit.	* Farmer will be able to identify major insects and diseases. * They will also be able to select proper chemicals, dosage and time of application for managing the insects and diseases of fruit crops	ON	1	3	20	60	5	0	10	5	0	0	15	5
Total					21	40	280	1200	117	0	159	9	87	53	363	62

SUBJECT: Fishery;

COURSE FACILITATOR: Sri Debdas Sekhar

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II- Qtr. April/May, 2017	Preparation of aquaculture pond	Preparation and water quality management of fish culture Pond	* Farmers will be able to prepare the pond using different inputs before stocking and will acquire skill to use different inputs to mention the water quality of pond	OFF	2	3	20	120	10	0	30	0	0	0	40	0
II-Qtr May, 2017	Culture of commercially important indigenous fishes	Culture practices of Pabda	* Farmers will be able to culture economically important indigenous fish to meet higher market demand.	OFF	1	3	20	60	8	0	12	0	0	0	20	0
II & III - Qtr. June / July, 2017	Composite Fish Culture	Package and practices of composite fish culture.	* Farmers will acquire knowledge and skill of selecting compatible fish species with proper stocking size, density, and timely application	OFF & ON	3	3	20	180	25	0	35	0	0	0	60	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			of manures, fertilizer and fish feed with proper quantity for enhanced productivity and profitability from available water resources.													
III – Qtr. Aug/Sept., 2017	Integrated Fish Farming	Integrated Fish-cum-Duck-cum-Vegetables cultivation for optimum utilization of available resources and enhancing return per unit area.	* Farmers will be able to integrate different production subsystems within the household for optimizing organic recycling into high value protein for higher farm income and employment generation round the year.	ON & OFF	2	3	20	120	10	0	25	5	0	0	35	5
II&IV Qtr. Jun/Nov	Air breathing Fish	Effective utilization of seasonal water	* Farmers will be able to profitably utilize small seasonal and derelict	OFF	2	3	20	120	10	0	30	0	0	0	40	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
., 2017	Culture	body through air breathing fish culture.	pond with properly stocking air breathing fish and following proper cultural practices for high economic return.													
IV Qtr. Nov./Dec., 2017	Fish Disease	Common fish diseases and their control	Farmers will be able to identify different fish diseases and can take proper prophylactic measures.	ON/ OFF	2	3	20	120	10	0	30	0	0	0	40	0
IV&I Qtr. Dec/Jan ", 2017/2018	Monosex culture	Monosex culture of Tilapia	Tilapia is a prolific mouth breeder. In mixed sex culture, fingerlings produced in the pond may constitute upto 70% of total production, making the culture uneconomical. For this reason most of the farmers prefer farming of monosex tilapia. By this	OFF	2	3	20	120	20	0	20	0	0	0	40	0

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			farmers will be able to know better performing strains for farming and will acquire the techniques to control unwanted breeding in the pond.													
I-Qtr. Feb/Mar., 2018	Judicious use of chemicals	Judicious use of chemicals in fish culture pond	* Fishers will be able to capture the riverine fish in a judicious and sustainable manner	OFF	2	3	20	120	0	0	30	0	10	0	40	0
I-Qtr. Jan/Mar., 2018	Indigenous fish culture	Culture practices of Mourala (<i>A. mola</i>)	* Farmers will be able to culture and propagate this economically important indigenous fish to meet higher market demand.	OFF	2	3	20	120	15	0	20	0	5	0	40	0
Total					18	27	180	1080	108	0	232	5	15	0	35	5

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
														5		

SUBJECT: Home Science;

COURSE FACILITATOR: Dr. Anjali Sharma

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II Qtr. April, 2017	Value addition (drying of veg.)	Preservation of vegetables through dehydration using sun drying method	* Farm Women will be able to Preserve vegetables through dehydration method using sun drying techniques and store it properly for future consumptions.	OFF	1	3	20	60	0	10	0	10	0	0	0	20
II Qtr.	House hold	Planning, establishing	* Farm women will be able to establish nutrition	OFF	1	3	20	60	0	0	0	0	0	20	0	20

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
April, 2017	food security by kitchen gardening and nutrition gardening	and management of nutritional garden-I	garden in their homestead land following planned and sequential cropping in different plots for producing vegetables and fruits throughout the year for household consumption.		(TSP)											
II Qtr. May, 2017	Cattle health and Milk production	Improved practices of azolla cultivation for animal feed.	* Farm family will be able to know about backyard azolla cultivation techniques which help in increasing milk production without escalation of feed cost.	ON/ OFF	2	3	20	120	0	12	0	20	0	08	0	40
II Qtr.	Wome	Awareness	*Farm women will able to	OFF	1	3	20	60	0	0	0	0	0	20	0	20

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
May, 2017	n and child care	training on common causes of nutritional anemia among farm women and its methods of rectification.	know the common causes of nutrition anemia. *Able to adopt different low cost methods to rectify anemia.		(TSP)											
II Qtr. June, 2017	Minimi zation of nutrie nt loss in proces sing	Training on practices for reducing nutrient losses during processing of fruits and vegetables	* Farm women will be able to learn how to preserve nutrients in food by following proper method of cutting, cooking etc. which ultimately add to family nutrition.	ON/ OFF	2	3	20	120	0	20	0	20	0	0	0	40

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III Qtr. July, 2017	Women and child care	Preparation of low cost weaning foods	* Farm women will be able to learn the skill of making homemade weaning foods which leads to better child health	ON/ OFF	2 (One TSP)	3	20	120	0	12	0	8	0	20	0	40
III – Qtr. Aug. 2017,	Income generation activities for empowerment of rural Women	Improved package of practices for Oyster Mushroom cultivation	* Farm women will be aware and interested towards new crop * Farm women will learn proper cultivation technique and can add income to the farm families.	ON	2	5	20	200	0	12	0	8	0	20	0	40
III-	Storage loss	Preparation of	* Utilization of local	ON	2	3	20	120	0	16	0	24	0	0	0	40

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
Qtr. Aug/Sep, 2017	minimization techniques	value added products from pineapple and guava	produce in a way of improving family nutrition. * Farm women will be able to learn different products and also keep products for longer time after preservation.													
IV - Qtr. Oct./Nov, 2017	Location specific drudgery reduction technologies	Improved Agricultural implements with special reference to operation and use of paddy thresher	* Farm women will able to operate paddle thresher effectively for paddy threshing with less drudgery.	ON/ OFF	2 (One TSP)	3	20	120	0	12	0	8	0	20	0	40
IV -	Cattle	Improved practices of	* Farm family will be able to know about backyard	ON/	2	3	20	120	0	8	0	12	0	20	0	40

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
Qtr. Oct./ Nov, 2017	health	azolla cultivation for animal feed.	azolla cultivation techniques which help in increasing milk production without escalation of feed cost.	OFF	(One TSP)											
IV – Qtr. Nov./ Dec., 2017	Production of organic inputs	Vermicompost production technology	* Farm women will develop skill to maintain Vermi composting units to produce quality compost from farm wastes and locally available ingredients on commercial basis.	ON	1	3	20	60	0	10	0	10	0	0	0	20
I Qtr. Jan, 2018	Designing and development for high nutrient	Methods of enhancing nutrient efficiency of food without increasing cost of processing	*To develop skill in sprouting, fermentation and malting of cereals for enhancing the nutritive value and inclusion of mixed cereals and inexpensive yellow fruits to increase the intake of Vit-A	ON/ OFF	2	3	20	120	0	20	0	20	0	0	0	40

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
	efficiency diet		& C													
I - Qtr. Feb., 2018	Household food security by kitchen garden and nutrition garden	Planning, establishing and management of nutritional garden	* Farm women will be able to establish nutrition garden in their homestead land following planned and sequential cropping..	OFF	1	3	20	60	0	10	0	8	0	2	0	20
Total					21	41	260	1340	0	142	0	148	0	130	0	420

SUBJECT: Recent updated Technology;

COURSE FACILITATOR: Senior Scientist and Head, All SMSs and Farm Manager, Computer Programmer & Office Assistant

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II Qtr. June, 2017 & III Qtr. Sept, 2017	Resource Conservation Technology	Use of natural resources in different fields of agriculture and allied agriculture	Participants will be able to understand how the natural resources (water hyacinth, crop stubble, waste vegetables, municipal waste etc) will be used in agricultural fields and allied agricultural fields	ON	2	3	25	150	15	5	15	5	5	5	35	15
III Qtr. July, 2017	Integrated farming system	Establishment of integrated farming system model in village	<ul style="list-style-type: none"> Participants will be able to learn how to establish integrated farming system model with all available resources. Better space utilization and income generation throughout the year 	ON	1	3	25	75	5	5	5	5	0	5	10	15

Quarter / Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III Qtr. Aug. , 2017	Leadership development	Transfer of technology through village leaders	<ul style="list-style-type: none"> Participants will be able to quality of leaders and his leadership Formation of group 	ON	1	3	25	75	5	5	5	5	0	5	10	15
III Qtr. Aug. , 2017	Capacity building for ICT application	Use of ICT in recent agriculture for information sharing	<ul style="list-style-type: none"> Participants will be able to know access the KVK portal and KVK facebook for information and technology Farmers will be able to know how to share the information in agriculture and allied agriculture sector 	ON	2	3	20	120	20	2	12	2	4	0	36	4
IV Qtr. Nov. & Dec.,	Mobilization of Social	Entrepreneurship development	<ul style="list-style-type: none"> To uplift social status in rural areas and mobilization of social 	ON/OFF	2	3	20	120	10	5	10	5	5	5	25	15

Quarter / Month/ Year	Themat ic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
2017	capitals	of agriculture and allied vocations for income generation	capital • More income generation • Self dependency													
Total					8	15	115	540	55	22	47	22	14	20	116	64

TRAINING PROGRAMME FOR RURAL YOUTH

SUBJECTS : Agronomy

COURSE FACILITATOR: Dr. Dhananjay Mandal, Sr. Scientist and Head & Dr. Soumen Mahapatra, Farm manager

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II Qtr. May, 2017	Seed Production	Quality seed production of rice and pulse	*Increase the production of foundation and certified seed of rice and pulse * Income generation	ON	1	5	20	100	10	0	10	0	0	0	20	0
III Qtr. July, 2017	Repair & maintenan ce of farm machinery and implement s	Repair and maintenance of sprayer, thrasher, pumpset, wheel hoe and other implements	*General knowledge and use of farm implements in better way. * Technical knowledge of new farm implements * way of income generation through entrepreneurship development	ON	1	5	15	75	7	0	8	0	0	0	15	0

IV Qtr. Nov / Dec., 2017	Soil Testing	Soil sample collection and soil testing through Soil Testing Kit	* Youths will develop skill to collect soil sample and will be equipped with knowledge of using Soil Testing Kit in a business mode.	ON	2	5	10	100	10	2	8	0	0	0	18	2
TOTAL					4	15	45	275	27	2	26	0	0	0	53	2

SUBJECTS : Horticulture

COURSE FACILITATOR: Dr. Moutusi Dey

Quart er/ Mont h/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II - Qtr. May, 2017	Protected cultivation of off season and high value vegetable crops	Production technology for off season vegetables	* Rural youth will acquire knowledge and skill to grow off season and exotic high value crops in low cost protected structure for income generation.	ON	1	5	15	75	3	2	5	3	2	0	10	5
II - Qtr.	Planting material	Planting material	* Rural youth will acquire knowledge and skill to	ON	1	5	15	75	3	2	5	2	3	0	11	4

June 2016	production	production and nursery management	<p>produce planting materials from fruit plants by using vegetative propagation method</p> <p>* They will develop skill to produce good planting material from healthy seed bed</p> <p>*They will start their own nursery business</p>													
III - Qtr. Aug, 2016	Management of garden and potted plants	Maintenance of gardens and Production of potted ornamentals for indoor and homestead garden	<p>* To create awareness about garden management and potted ornamentals</p> <p>* knowledge and skill development about pot preparation</p> <p>* maintenance and care of potted ornamentals</p>	ON	1	5	15	75	4	2	4	2	2	1	10	5
	Total				3	15	45	225	10	6	14	7	7	1	31	14

SUBJECT : Fishery;

COURSE FACILITATOR: Sri Debdas Sekhar

Quarter/ Month / Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
III - Qtr. July., 2017	Fish breeding and Nursery pond management	Induced breeding and carp fry production	* Rural youth will acquire knowledge and skill to breed carps and rear spawns in the seasonal ponds with proper management practices.	ON	2	5	15	150	16	0	14	0	0	0	30	0
I-Qtr Feb, 2018	Integrated fish farming	Complete package of different Integrated Fish Farming Systems.	* Rural youth will be able to integrate fish culture with agriculture and livestock production system. * They will be able to promote organic recycling within different production system into high value protein for higher farm income and employment generation	ON	1	5	15	75	6	0	6	0	3	0	15	0

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
			round the year.													
Total					3	10	30	225	22	0	20	0	3	0	45	0

SUBJECT : Home Science

COURSE FACILITATOR: Dr. Anjali Sharma

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off / On	NO. Of courses	Duration	NO. Of Trainee per Course	Total trainee days	No. of Participants							
									Others		SC		ST		Total	
									M	W	M	W	M	W	M	W
II & III – Qtr. June/July 2017	Value addition	Value added products Jute and allied fibres	* Self Help group members will develop knowledge and skill value addition. * Women will able to promote it as entrepreneurial activity	ON	1	7	20	140	0	8	0	12	0	0	0	20

			for income generation.													
IVth – Qtr. Oct/Nov. 2017	Household nutritional security	Package and practice for Oyster mushroom cultivation at small scale	* Self Help group members will develop knowledge and skill of production of oyster mushroom. * Women will able to promote it as entrepreneurial activity for income generation.	ON	1	8	20	160	0	8	0	8	0	4	0	20
I st – Qtr. Jan/ Feb. 2017	Income Generatio n Activity	Hands on Training on Preservation of fruits and vegetables	* School drop outs develop the skill of making various preserved items * Women will able to promote it as entrepreneurial activity for income generation.	ON	1	8	20	160	0	0	0	0	0	25	0	25
Total					3	23	60	460	0	16	0	20	0	29	0	65

**TRAINING PROGRAMME
EXTENSION FUNCTIONARIES (On-campus)**

SUBJECT: Horticulture

COURSE FACILITATOR: Dr. Moutusi Dey

Thematic Area*	Title	Duration	No of Courses	No. of participants			
				SC	ST	Others	Total
Protected horticulture	Production and Management of off-season vegetables under protected condition . (For Krishi Prayukti Sahayaks and Technology agents of ATMA)	3	1	8	2	10	20

SUBJECT: Plant Protection

COURSE FACILITATOR: Dr. Dhananjay Mandal, Dr. Soumen Mahapatra & Mr. Sudipta Debnath, Mr. Ayanul Haque, Assistant

Thematic Area*	Title	Duration	No of Courses	No. of participants			
				SC	ST	Others	Total
Integrated Pest Management	Pest Scenario of different crops due to climate change and emerging trends and strategies of IPM. (For Krishi Prayukti Sahayaks and Technology agents of ATMA)	3	1	8	2	10	20
Integrated Pest Management	Proper diagnose and recommendation of pest problem (For Pesticide Sell agents and distributor)	3	1	10	2	13	25

Repair & maintenance of farm machinery and implements	Repair and maintenance of sprayer, thrasher, pumpset, wheel hoe and other implements	3	1	10	2	8	20
Capacity building for ICT application	Use of ICT in recent agriculture for information sharing	3	1	8	2	10	20
Information networking among farmers	Share of information of recent agriculture technology and market price of different crops through chief coordinators of farmers clubs for general farmers.	3	1	10	5	10	25
Total			5	46	13	51	110

SUBJECT: Fishery Sc.

COURSE FACILITATOR: Mr. Debdas Sekhar

Thematic Area*	Title	Duration	No of Courses	No. of participants			
				SC	ST	Others	Total
Water quality management	Training of FFA on Important water quality parameters in aquaculture (* Participants will be updated with important water quality parameters to be maintained in aquaculture ponds)	3	1	10	2	8	20

SUBJECT: *Home Science;*

COURSE FACILITATOR: Dr.(Mrs.) Anjali Sharma

Quarter/ Month/ Year	Thematic area	Course title	Course objective(s)	Venue Off/on	NO. Of courses	Duration	NO. Of Trainees per Course	Total trainee days	Total no. of trainees
III Qtr., 2017	Women and Child care	Training of <i>ICDS</i> <i>supervisors</i> on low cost food supplements for children	* Group will develop skill in preparing weaning food at low cost with available resources at home. * Better utilization of local resources to combat malnutrition among children.	ON	1	3	15	45	15
I - Qtr., 2017	Leadership development	Training programme for Self Help Group leaders	* SHGs leaders will able to deviate the group towards different social and economic activities. * SHG will able to maintain their bank account registers properly for smooth running of the group. *Lead group towards entrepreneurship development	ON	2	2	20	80	40
Total					3		35	125	55

**Front Line Demonstration on other enterprises
(FLD other than oilseeds & pulses)**

Front Line Demonstration 1 (Component Demo)

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Scientist and Head & SMS (Plant Protection)

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Varietal replacement of Rice
2.	Thematic area	:	Varietal replacement
3.	Season	:	<i>Kharif</i> , 2017
4.	Crop	:	Rice
5.	Previous crop and cropping system		a) <i>Rabi</i> – Wheat / Maize / Rapeseed b) <i>Pre-kharif</i> - Fallow c) <i>Kharif</i> – Rice
6.	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Rainfed Medium to low land Sandy clay-loam
7.	Proposed area of demonstration (ha)	:	100.0 ha (TSP 30 ha)
8.	Crop variety	:	MTU 1010, Sahabhagi, Swarna Sub- 1, Pratiksha
9.	Transplanting time	:	June-July, 2017
10.	Proposed block of demonstration	:	Chopra, Karandighi, Goalpokher II
11.	Name of the village		Moulani-gachh, Goal-gachh, Dhuli-gachh, Machol, Kuitore, Bihinagar, Altapur, Dhatipara, Choughariya
12.	No. of demonstration		200 (TSP -70)
13.	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 1,60,000.00 (Seed) Rs. 1,80,000,000.00 (Farmers will borne the cost of other input except seed cost)
14.	Cost of extension activities		Rs.5,000.00
15.	POL and other activities	:	Rs. 5,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 1,70,000.00

Front Line Demonstration 2

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Scientist and Head & SMS (Plant Protection)

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Integrated Crop Management of Rapeseed and Mustard
2.	Thematic area	:	Integrated Crop Management
3.	Season	:	<i>Rabi</i> , 2017-18
4.	Crop	:	Rapeseed and Mustard
5.	Previous crop and cropping system		a) <i>Rabi</i> – Wheat / Rapeseed b) <i>Pre-kharif</i> - Fallow c) <i>Kharif</i> – Rice
6.	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium land Sandy clay-loam
7.	Proposed area of demonstration (ha)	:	10.0 ha(TSP- 4 ha)
8.	Crop variety	:	NC 1, Sarama, Bhagirathi
9.	Sowing time	:	Nov. – Dec., 2017
10.	Proposed block of demonstration	:	Chopra, Islampur, Goalpokher I
11.	Name of the village		Bilatibari, Chhoto Sapnikla, Kamlagaon, Chapore
12.	No. of demonstration		50 (TSP- 20 ha)

13.	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 15,000.00 (Seed, Herbicide and boron as micronutrient) Rs. 6,000.00 Farmers will borne the cost of other input except seed & Herbicide and boron
14.	Cost of extension activities		Rs.3,000.00
15.	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)		Rs.20,000.00

Front Line Demonstration 3 (Component Demo)

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Scientist and Head & SMS (Plant Protection)

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Varietal replacement of Wheat
2.	Thematic area	:	Varietal replacement
3.	Season	:	<i>Rabi</i> , 2017-18
4.	Crop	:	Wheat
5.	Previous crop and cropping system		a) <i>Rabi</i> – Wheat / Rapeseed b) <i>Pre-kharif</i> - Fallow c) <i>Kharif</i> – Rice
6.	Farming situation a. Irrigated/Rainfed b. Land situation	:	Rainfed Medium to low land

	c. Soil type		Sandy clay-loam
7.	Proposed area of demonstration (ha)	:	3.0 ha
8.	Crop variety	:	HD 2888
9.	Sowing time	:	December, 2017
10.	Proposed block of demonstration	:	Chopra, Karandighi
11.	Name of the village		Moulani gachh, Kuitore, Bihinagar
12.	No. of demonstration		20 (TSP -8)
13.	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs.10,000.00 (Seed and herbicide) Rs. 15,000.00 Farmers will borne the cost of other input except seed cost
14.	Cost of extension activities		Rs.2,000.00
15.	POL and other activities	:	Rs. 3,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 15,000.00

Front Line Demonstration 4

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Sci. & Head

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Integrated Pest Management of mustard aphid through Insect sticky/ adhesive trap
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2	Thematic area	:	Integrated Pest Management
3	Season	:	<i>Rabi</i> , 2017-18
4	Crop	:	Mustard
5	Previous crop and cropping system	:	a) <i>Kharif</i> - Rice b) <i>Rabi</i> – Mustard c) <i>Pre-kharif</i> – Maize
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium to low land clay-loam
7	Proposed area of demonstration(ha)	:	15.0 ha
8	Crop variety	:	B-9/ NC-1
9	Sowing time	:	Nov. to Dec., 2017
10	Proposed block of demonstration	:	Goalpokhor- I & II and Karandighi, Chopra
11	Name of the village	:	Machole, Datipara, Koitor, Altapur, Bihinagar, Golangachh, Moulanigachh, Choughariya
12	No. of demonstration	:	70
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 25,000.00 (Insect Adhesive trap and others material) Rs.20,000.00 Rs. 5,000.00
14	Cost of extension activities	:	Rs.5,000.00
15	POL and other activities	:	Rs.5,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs 35,000.00

Front Line Demonstration 5

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Sci. & Head

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Use of Bio-pesticide and bio-fertilizer for disease management of rice.
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2	Thematic area	:	Integrated Disease Management
3	Season	:	<i>Khariff, 2017</i>
4	Crop	:	Paddy/Rice
5	Previous crop and cropping system	:	a) <i>Kharif</i> - Rice b) <i>Rabi</i> – Mustard c) <i>Pre-kharif</i> – Maize
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium to low land clay-loam
7	Proposed area of demonstration(ha)	:	5.0 ha
8	Crop variety	:	MTU-7029
9	Sowing time	:	June, 2017
10	Proposed block of demonstration	:	Chopra, and Karandighi
11	Name of the village	:	Moulani gachh, Dhuliagachh, Machole
12	No. of demonstration	:	30
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 7,000.00 (Bio-pesticide and Bio-fertilizer) Rs.5,000.00 Rs. 2,000.00
14	Cost of extension activities	:	Rs.3,000.00
15	POL and other activities	:	Rs.2,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs 12,000.00

Front Line Demonstration 6

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Sci. & Head

Co-investigator: Dr. Soumen Mahapatra, Farm Manager

1.	Title of FLD	:	Integrated Pest Management for fruit and shoot borer (<i>Leucionodes orbonalis</i>) of brinjal
2	Thematic area	:	Integrated Pest Management
3	Season	:	<i>Kharif to Rabi</i> 2017-2018
4	Crop	:	Brinjal
5	Previous crop and cropping system	:	a) <i>Kharif</i> -Brinjal b) <i>Rabi</i> – Brinjal c) <i>Pre-kharif</i> – Maize
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Upland to Medium land Sandy clay-loam
7	Proposed area of demonstration(ha)	:	4.0 ha
8	Crop variety	:	Local
9	Sowing time	:	July, 2017
10	Proposed block of demonstration	:	Islampur
11	Name of the village	:	Ashram, Matikunda
12	No. of demonstration	:	40
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 30,000.00 (Pheromone trap, Neem based pesticides, and Chemical pesticides) Rs. 28,000.00

			Rs. 2,000.00
14	Cost of extension activities	:	Rs.4,000.00
15	POL and other activities	:	Rs.3,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs.35,000.00

Front Line Demonstration 7 (Component Demo)

Principal Investigator: Dr. Moutousi Dey, Subject Matter Specialist (Horticulture)

1.	Title of FLD	:	Establishment of permanent Lime orchard
2	Thematic area	:	Orchard Management
3	Season	:	Kharif 2017
4	Crop	:	Lime
5	Previous crop and cropping system	:	a) Rabi – cabbage/cauliflower b) Pre-kharif – summer vegetable c) Kharif – vegetable
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium Sandy loam
7	Proposed area of demonstration(ha)	:	0.4
8	Crop variety	:	Kagzi, Pati, Elaichi
9	Sowing time	:	July, 2017
10	Proposed block of demonstration	:	Goalpokhor-II, Chopra
11	Name of the village	:	Kanki, Machol

12	No. of demonstration	:	6 (TSP -2)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs12,000.00 (layered planting material, Plant Protection Chemical) Rs. 10,000.00 Rs. 2,000.00
14	Cost of extension activities	:	Rs. 2,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs14,000.00

Front Line Demonstration 8 (Component Demo)

Principal investigator: Dr. Moutusi Dey, Subject Matter Specialist (Horticulture)

1.	Title of FLD	:	Establishment of permanent areca nut garden with multistoried cropping system
2	Thematic area	:	Resource Conservation Technology
3	Season	:	Kharif 2017
4	Crop	:	Arecanut
5	Previous crop and cropping system	:	a) Rabi – cabbage/cauliflower b) Pre-kharif – summer vegetable c) Kharif – vegetable
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium Sandy loam
7	Proposed area of demonstration(ha)	:	0.70

8	Crop variety	:	Mohitnagar
9	Sowing time	:	July, 2017
10	Proposed block of demonstration	:	Chopra
11	Name of the village	:	Dhuliagachh, Lakshmidangi
12	No. of demonstration	:	4 (TSP -1)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs14,000.00 (layered planting material, Plant Protection Chemical) Rs. 12,000.00 Rs. 2,000.00
14	Cost of extension activities	:	Rs. 2,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs16,000.00

Front Line Demonstration 9 (Component Demo)

Principal investigator: Dr. Moutusi Dey, Subject Matter Specialist (Horticulture)

1.	Title of FLD	:	Introduction of Strawberry as non-conventional fruit
2	Thematic area	:	Exotic fruit
3	Season	:	Rabi 2017-18
4	Crop	:	Strawberry
5	Previous crop and cropping system	:	a) Rabi – cabbage/cauliflower b) Pre-kharif – summer vegetable c) Kharif – vegetable
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium Sandy loam
7	Proposed area of demonstration(ha)	:	0.033
8	Crop variety	:	Winter Dawn
9	Sowing time	:	Nov. – Dec. 2017
10	Proposed block of demonstration	:	Goalpokhor-II, Karandighi
11	Name of the village	:	Kanki, Machol
12	No. of demonstration	:	3 (TSP -1)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share	:	Rs19000.00 (Seed, Plant Protection Chemical) Rs. 17,000.00

	c. Cost of Farmer's share		Rs. 2,000.00
14	Cost of extension activities	:	Rs. 2,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs21,000.00

Front Line Demonstration 10 (Component Demo)

Principal investigator: Dr. Moutusi Dey, Subject Matter Specialist (Horticulture)

1.	Title of FLD	:	Introduction of Summer Squash as non conventional vegetable
2	Thematic area	:	Exotic vegetable
3	Season	:	Rabi 2017-18
4	Crop	:	Summer Squash
5	Previous crop and cropping system	:	a) Rabi – cabbage/cauliflower b) Pre-kharif – summer vegetable c) Kharif – vegetable
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium Sandy loam
7	Proposed area of demonstration(ha)	:	0.5
8	Crop variety	:	Green Stra, Yellow Juccini

9	Sowing time	:	Nov. – Dec. 2017
10	Proposed block of demonstration	:	Kaliyaganj, Raiganj
11	Name of the village	:	
12	No. of demonstration	:	20 (TSP-5)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs10000.00 (Seed, Plant Protection Chemical) Rs. 8,500.00 Rs. 1,500.00
14	Cost of extension activities	:	Rs. 2,000.00
15	POL and other activities	:	Rs. 2,500.00
16.	Total cost of demonstration (ICAR share)	:	Rs13,000.00

Front Line Demonstration 11 (Component Demo)

Principal investigator: Dr. Moutusi Dey, Subject Matter Specialist (Horticulture)

1.	Title of FLD	:	More profit by sowing early ridge gourd
2	Thematic area	:	Production and management technology
3	Season	:	Pre-Kharif 2017
4	Crop	:	Ridge gourd
5	Previous crop and cropping system	:	a) Rabi – cabbage/cauliflower b) Pre-kharif – summer vegetable c) Kharif – Rice

6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Irrigated Medium Sandy loam
7	Proposed area of demonstration(ha)	:	0.67
8	Crop variety	:	Satputia/ Rabina
9	Sowing time	:	December, 2017
10	Proposed block of demonstration	:	Karandighi, Goalpokhor-II
11	Name of the village	:	Altapur, Maheshpur, Chowgharia
12	No. of demonstration	:	10 (TSP -4)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs 4,000. Rs. 3,000.00 Rs. 1,000.00
14	Cost of extension activities	:	Rs. 2,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)	:	Rs 8,000.00

Front Line Demonstration – 12 (Component Demo)

Principal Investigator: Mr. Debdas Sekhar, Subject Matter Specialist (Fishery science)

1.	Title of FLD	:	Introduction of composite Fish culture for higher productivity and rational utilization of water bodies
2	Season	:	Round the year
3	Crop	:	Fish (IMC)
4	Previous crop and cropping system	:	NA
5	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Rainfed Flatland Sandy clay/ Sandy
6	Proposed area of demonstration(ha)	:	0.45 ha
7	Crop variety	:	IMC (Catla, Rohu, Mrigal)
8	Sowing / Stocking time	:	June-July
9	Proposed block of demonstration	:	Chopra, Karandighi
10	Name of the village	:	Gulamigachh, Susthugachh, Fatepur, Piyajga, Barahans
11	No. of demonstration	:	9
12	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 38,750.00 (Fish fingerlings, lime, fertilizers, supplementary fish feed) Rs.24,750.00 Rs. 14,000.00
13	Cost of extension activities	:	Rs. 3,000.00
14	POL and other activities	:	Rs. 2,500.00

15	Total cost of demonstration (ICAR share)	:	Rs. 29,750.00
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Front Line Demonstration – 13 (Component Demo)

Principal Investigator: Mr. Debdas Sekhar, Subject Matter Specialist (Fishery science)

1.	Title of FLD	:	Introduction of Integrated fish-duck-dyke vegetables cultivation for recycling organic wastes into high value protein for higher farm income
2	Season	:	Round the year
3	Crop	:	Fish (IMC), Ducks & Vegetables
4	Previous crop and cropping system	:	NA
5	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Rainfed Flatland Sandy clay/ Sandy
6	Proposed area of demonstration(ha)	:	0.45 ha
7	Crop variety	:	IMC (Catla, Rohu, Mrigal), Ducks(indigenous & khanki Campbell), Vegetables (bitter gourd, ridge gourd,tomato, okra etc.)
8	Sowing / Stocking time	:	June-July
9	Proposed block of demonstration	:	Chopra, Karandighi
10	Name of the village	:	Gulamigachh, Susthugachh, Fatepur, Piyajga, Barahans
11	No. of demonstration	:	8
12	Demonstration cost : a. Components (items)	:	Rs. 43,350.00 (Fish fingerlings, ducks, feed, vegetable seeds) Rs. 24,750.00

	b. Cost of ICAR share		Rs. 22,100.00
	c. Cost of Farmer's share		
13	Cost of extension activities	:	Rs. 3,000.00
14	POL and other activities	:	Rs. 2,500.00
15	Total cost of demonstration (ICAR share)	:	Rs. 30,250.00

Front Line Demonstration – 14 (Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Introduction of improved tool for shelling of maize cobs aiming towards drudgery reduction
2	Thematic area	:	Drudgery reduction
3	Season	:	Pre Kharif
4	Crop and Agril. Tools	:	Maize (Cob Sheller)
5	Previous crop and cropping system	:	NA
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	NA NA NA
7	Proposed area of demonstration(ha)	:	NA
8	Crop variety	:	NA
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra, Karandlighi, Goalpopker - II Block
11	Name of the village	:	Goulamigachh, Dhuliagachh, Moulaniagachh, Machol, Datipara,

			Altapur, Jhitka Tutikata
12	No. of demonstration	:	100 (TSP-30)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 15000.00 Rs. 15000.00 Nil
14	Cost of extension activities	:	Rs.3,000.00
15	POL and other activities	:	Rs.2,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 20,000.00

Front Line Demonstration 15 (Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Introduction of Azolla as supplementary cattle feed.
2	Thematic area	:	Animal Health
3	Season	:	March-Nov.
4	Crop and Agril. Tools	:	Azolla
5	Previous crop and cropping system	:	NA
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	NA NA NA
7	Proposed area of demonstration(ha)	:	NA

8	Crop variety	:	Azolla Pinnata
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra, Karandlighi, Goalpopker - II Block
11	Name of the village	:	Goulamigachh, Dhuliagachh, Moulamigachh, Machol, Datipara, Altapur, Jhitka Tutikata
12	No. of demonstration	:	30 (TSP-10)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 8000.00 Rs. 8000.00 Nil
14	Cost of extension activities	:	Rs. 3,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 13,000.00

Front Line Demonstration 16_(Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Introduction of mini parboiling unit for time and energy saving among farm women
2	Thematic Area	:	Drudgery reduction of farm women
3	Season	:	Round the year
4	Crop	:	CRRI mini parboiling unit
5	Previous crop and cropping system		NA

6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	Homestead
7	Proposed area of demonstration(ha)	:	NA
8	Crop variety	:	NA
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra, Karandhighi and Goalpokher - II
11	Name of the village		Machol; Jhitka Tutikata, Moulanigachh
12	No. of demonstration		3 (TSP-1)
13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	 Rs. 25,000.00 Rs. 25,000.00 NIL
14	Cost of extension activities		Rs.3,000.00
15	POL and other activities	:	Rs.2,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 30,000.00

Front Line Demonstration 17 (Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Introduction of Oyster mushroom cultivation for nutritional security and entrepreneurial activity among SHGs
2	Thematic Area	:	Women empowerment
3	Season	:	NA
4	Crop and Agril. Tools/supplements	:	Oyster mushroom
5	Previous crop and cropping system	:	NA
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	NA NA NA
7	Proposed area of demonstration(ha)	:	NA
8	Crop variety	:	<i>Plurotus Sp.</i>
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra, Kaliaganj, Karandighi Block
11	Name of the village	:	Moulanigachh, Dhuliagachh, Machol, Dhatipara, Ratan
12	No. of demonstration	:	30 (TSP-10)
13	Demonstration cost : a. Components (Mushroom Spawn)	:	Rs. 10,000.00

	b. Cost of ICAR share		Rs.10,000.00
	c. Cost of Farmer's share		Nil
14	Cost of extension activities		Rs.3,000.00
15	POL and other activities	:	Rs. 2,000.00
16.	Total cost of demonstration (ICAR share)		Rs. 15,000.00

Front Line Demonstration 18_(Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Introduction of Low cost weaning foods to combat malnutrition among children
2	Thematic Area	:	Women and child care
3	Season	:	NA
4	Crop and Agril. Tools/supplements	:	Weaning food made up of roasted Wheat:Moong dal:Peanut:Sugar
5	Previous crop and cropping system		NA
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	NA NA NA
7	Proposed area of demonstration(ha)	:	NA
8	Crop variety	:	NA
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra, Karandighi, Goalpokher – II Block
11	Name of the village		Goulamigachh, Dhuliagachh, Moulamigachh, Machol, Datipara, Altapur, Jhitka Tutikata
12	No. of demonstration		20 (TSP-10)
13	Demonstration cost : a. Components (weaning food 1 kg/month/child) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs. 19,200.00 Rs. 19,200.00 Nil

14	Cost of extension activities		Rs.3,000.00
15	POL and other activities	:	Rs. 2000.00
16.	Total cost of demonstration (ICAR share)		Rs. 24,200.00

Front Line Demonstration 19_(Component Demo)

Principal Investigator: Dr. Anjali Sharma, Subject matter Specialist (Home Science)

1.	Title of FLD	:	Small scale Vermi-compost production as entrepreneurial activity for Self Help Groups
2	Thematic Area	:	Organic input
3	Season	:	NA
4	Crop and Agril. Tools/supplements	:	Cowdung and various crop residues
5	Previous crop and cropping system		NA
6	Farming situation a. Irrigated/Rainfed b. Land situation c. Soil type	:	NA NA NA
7	Proposed area of demonstration(ha)	:	5 small scale units
8	Crop variety	:	NA
9	Sowing time	:	NA
10	Proposed block of demonstration	:	Chopra Block
11	Name of the village		Moulanigachh, Dhatipara, Machol, Udga, Jhitka
12	No. of demonstration		5 (TSP-2)

13	Demonstration cost : a. Components (items) b. Cost of ICAR share c. Cost of Farmer's share	:	Rs.25,000.00 Rs. 25,000.00 Nil
14	Cost of extension activities		Rs.5,000.00
15	POL and other activities	:	Rs. 3000.00
16.	Total cost of demonstration (ICAR share)		Rs. 33,000.00

ON-FARM TRIAL – I (Repeat 2nd year)

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Sci. & Head and SMS (Plant Protection)

Co-investigator: Dr. Moutusi Dey, SMS (Horticulture) & Dr. Soumen Mahapatra, Farm Manager

1.	Title	:	Assessment of Integrated pest management of fruit fly in Cucurbitaceous crop (Cucumber/Gourd)
2.	Thematic area	:	Integrated Pest management
3.	Problem area	:	Fruit fly causes serious damage in Cucurbitaceous crops for last few years
4.	Important cause	:	Damage of fruit, yield reduces due to pest infestation in Cucumber and Gourd
5.	Production system	:	Vegetable based cropping systems
6.	Micro-farming situation	:	Vegetable crop
7.	Technology for testing	:	Proper management of fruit fly and search the yield loss due to infestation of pest attack
8.	Existing practice	:	Pest management practice through chemical control
9.	Objectives	:	To develop (standardize) the suitable IPM technology for Management of fruit fly in Cucurbitaceous crop
	Hypothesis	:	Suitable IPM technology of fruit fly in Cucurbitaceous crop may reduce the loss and increase the productivity.

10.				
11.	Treatments	:	Treatment details :	
			Farmers' practice	Chemical control (Pesticide)
			Improve practice-I	Minimum routine practice 1 : Botanical insecticides such as neem oil 10000 ppm @ 3ml/L from 35 days after sowing (DAS) + Installation of Adhesive sticky trap @ 50 nos /ha at 35 DAS+ Removal of infestation fruits during harvesting.
			Improve practice-II	Minimum routine practice 2 : Botanical insecticides such as neem oil 10000 ppm @ 3ml/L from 35DAS + Installation of fruit fly trap @ 30 nos /ha at 35 DAS + Removal of infestation fruits during harvesting.
			Improve practice-III	Minimum routine practice 1 + Installation of fruit fly trap @ 20 nos /ha at 35 DAS
12.	Critical inputs	:	Neem oil (10000 ppm), Adhesive sticky trap, Fruit fly trap	
13.	Unit size	:	0.1 ha	
14.	No. of replications	:	7	
15.	Unit cost	:	Rs. 3000/-	
16.	Total cost	:	Rs.21,000/-	
17.	Monitoring indicators	:	Pest status, Loss assessment, Yield performance & Comparative economics	

ON-FARM TRIAL – II (Repeat 3rd Year)

Principal Investigator: Dr. Dhananjoy Mandal, Sr. Sci. & Head and SMS (Plant Protection)

Co-investigator: Dr. Anjali Sharma (Home Sci.) & Dr. Soumen Mahapatra, Farm Manager

1.	Title	:	Integrated disease management of seedling blight of wheat
2.	Thematic area	:	Integrated Disease management
3.	Problem area	:	Seedling blight observed after 1 st irrigation and plant mortality observed

4.	Imporatant cause	:	Problems are serious for wheat area. After 1 st irrigation or heavy moisture in the soil causes yellowing colour symptoms in wheat seedling and ultimately plant die.	
5.	Production system	:	Rice based cropping systems	
6.	Micro-farming situation	:	Rice based cropping systems	
7.	Technology for testing	:	Proper management of Wheat seedling	
8.	Existing practice	:	One spray with Mencozeb	
9.	Objectives	:	To develop (standardize) the suitable IDM technology for wheat in early stage	
10.	Hypothesis	:	Suitable IDM technology of seedling blight of what may reduce plant mortality, loss and increase the productivity.	
11.	Treatments	:	Treatment details :	
		Farmers' practice	Spraying of Mencozeb 75% one time	
		Improve Practice –I	Minimum routine practice: Seed treatment with Carbendazim 50% @ 2 gm/ Kg seed + one spray with Tebuconazole 0.5 ml/L	
		Improve Practice –II	Minimum routine practice: Seed treatment with <i>Trichoderma</i> @ 4 gm/ Kg seed + one spray with Tebuconazole 0.5 ml/L	
		Improve Practice –III	Minimum routine practice + supervisory practice : Seed treatment with <i>Trichoderma</i> @ 4 gm/ Kg seed + Two sprays with Propiconazole 25% EC 1.0ml/L followed by Tebuconazole 0.5 ml/L at 10 days interval.	
12.	Critical inputs	:	Fungicides (Mencozeb, Carbendazim, <i>Trichoderma</i> , Propiconazole and Tebuconazole)	
13.	Unit size	:	0.2 ha.	
14.	No. of replications	:	7	
15.	Unit cost	:	Rs. 1500/-	
16.	Total cost	:	Rs.10,500/-	
17.	Monitoring indicators	:	Plant mortality, Loss assessment, Yield performance & Comparative economics	

ON-FARM TRIAL – II (Repeat 2nd Year)

Principal Investigator: Dr. Moutusi Dey, SMS (Horticulture)

Co-investigator: Dr. Dhananjoy Mandal Sr. Sci. & Head, Dr. Anjali Sharma, SMS (Home Science)

1.	Title	:	Assessment of different agrochemicals in weed control of pineapple	
2.	Thematic area	:	Weed management	
3.	Problem area	:	Vigorous weed growth and inadequate labour availability	
4.	Important cause	:	Manual weeding in pineapple cultivation involves huge expenditure	
5.	Production system	:	Pineapple based	
6.	Micro-farming situation	:	Pineapple based	
7.	Technology for testing	:	Use of agro-chemicals in pineapple weed control	
8.	Existing practice	:	Hand weeding	
9.	Objectives	:	To standardize agrochemicals for pineapple weed control	
10.	Hypothesis	:	Increase the pineapple cultivation area	
11.	Treatments	:	Treatment details :	
			Farmers' practice	Spraying of glyphosate (5 ml/l) (1 time/yr) with 4 times hand weeding
			Weed Management 1	Use of plastic mulch
			Weed Management 2	Spraying of diuron (6.25 g/l) (2 times/yr)
12.	Critical inputs	:	Plastic Mulch, Herbicides	
13.	Unit size	:	0.6 ha	
14.	No. of replications	:	7	
15.	Unit cost	:	Rs. 1200/-	
16.	Total cost	:	Rs. 8400/-	
17.	Monitoring indicators	:	Duration of weed germination, yield performance, B:C ratio	

ON-FARM TRIAL IV (Repeat 2nd year)

Principal Investigator: Dr. Moutusi Dey, SMS (Horticulture)

Co-investigator: Dr. Dhananjoy Mandal Sr. Sci. & Head, Mr. Debdas Sekhar, SMS (Fishery Science)

1.	Title	:	Assessment of Boron application to enhance the productivity of chilli
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2.	Thematic area	:	Micro nutrient management
3.	Problem area	:	Lack of knowledge of proper scheduling of Boron application
4.	Important cause	:	Flower and fruit drop
5.	Production system	:	Vegetable based
6.	Micro-farming situation	:	Vegetable based
7.	Technology for testing	:	Suitable schedule for Boron application in chilli
8.	Existing practice	:	One time spray of Boron when fruit drop occur
9.	Objectives	:	To develop the suitable scheduling of Boron application
10.	Hypothesis	:	Suitable scheduling of Boron in chilli field for increase in yield by reducing the flower and fruit drop.
11.	Treatments	:	Treatment details :
			Farmers' practice Spray Boron when flower and fruit drop occur heavily
			Improved practice 1 Spray 1 st Boron in 35 DAP, after that 3 Boron sprays at 15 days interval
			Improved practice 2 Soil application of Boron during field preparation, spraying of Boron before flowering and another spraying one month after that.
			Improved practice 3 Soil application of Boron during field preparation, spraying of Boron before flowering and 2 another spraying after one month interval
12.	Critical inputs	:	Soil boron and 20% boron for foliar application
13.	Unit size	:	.05 ha
14.	No. of replications	:	6
15.	Unit cost	:	Rs. 1600.00
16.	Total cost	:	Rs. 9600.00
17.	Monitoring indicators	:	Flower dropping per plant, fruit setting per plant, yield (Production per plant) and B:C ratio

ON-FARM TRIAL V (New)

Principal Investigator: Mr. Debdas Sekhar, SMS (Fishery Science)

Co-investigator: Dr. Moutusi Dey, SMS (Horticulture) & Dr. Anjali Sharma, SMS (Home Science)

1.	Title	:	Assessment of different combination of polyculture of fish
2.	Problem area	:	Poor fish productivity in domestic pond under Mahananda Flood Plain farming situation of <i>Terai</i> zone
3.	Important cause	:	Lack of knowledge regarding species composition and stocking density in polyculture of fish among farmers

4.	Production system	:	Pond based
5.	Micro-farming situation	:	Pond based farming situation
6.	Technology for testing	:	Use of suitable species composition and proper stocking density in polyculture of fish
7.	Existing practice	:	Stocking of different fish species without knowing their compatibility and proper stocking density
8.	Objectives	:	To increase fish productivity in domestic pond
9.	Hypothesis	:	Use of different compatible fish species at a proper stocking density in polyculture system may increase the fish productivity
10.	Treatments	:	Treatment details :
			Farmers' practice Stocking of different fish species without knowing their compatibility and not proper stocking density
			Polyculture 1 Stocking of different IMC (catla, rohu and mrigal) species at stocking density of 7500 nos/ha
			Polyculture 2 Stocking of catla, rohu at stocking density of 3000 nos/ha and prawn (<i>M. rosenbergii</i>) @ 10000 nos/ha.
11.	Critical inputs	:	Fish seeds, prawn seeds
12.	Unit size	:	Variable
13.	No. of replications	:	7
14.	Unit cost	:	Rs. 3914.00 (on the basis of 0.05 ha)
15.	Total cost	:	Rs. 27,400.00
16.	Monitoring indicators	:	a) Yield b) Economic Return

ON-FARM TRIAL VI (New)

Principal Investigator: Mr. Debdas Sekhar, SMS (Fishery Science)

Co-investigator: Dr. Dhananjoy Mandal, Senior Scientist & Head

1.	Title	:	Assessment the efficacy of different organic manures on growth performance of IMC
2.	Problem area	:	Poor fish productivity in domestic pond under Mahananda Flood Plain farming situation of <i>Tera</i> i zone
3.	Important cause	:	Lack of knowledge regarding use of organic manures at a proper dose in fish culture ponds
4.	Production system	:	Pond based
5.	Micro-farming situation	:	Pond based farming situation
6.	Technology for testing	:	Application of different organic manures at an proper dose in fish culture ponds
7.	Existing practice	:	Fish culture with irregular use of organic manure

8.	Objectives	:	To assess the efficacy of different organic manures on growth performance of fish in domestic pond	
9.	Hypothesis	:	Application of organic manures at an proper dose would increase the growth rate of fish and thereby increasing fish productivity	
10.	Treatments	:	Treatment details :	
			Farmers' practice	Application of cowdung at an lower dose
			Organic Manure 1	Application of cowdung @ 10000 kg /ha/yr
			Organic Manure 2	Application of vermicompost @ 10000 kg /ha/yr
11.	Critical inputs	:	vermicompost	
12.	Unit size	:	Variable	
13.	No. of replications	:	7	
14.	Unit cost	:	Rs. 7500.00 (on the basis of 0.05 ha)	
15.	Total cost	:	Rs. 52500.00	
16.	Monitoring indicators	:	a) FishYield b) DO, pH, plankton production	

ON-FARM TRIAL VII (Repeat 2nd year)

Principal Investigator: Dr. Anjali Sharma, SMS (Home Science)

Co-investigator: Dr. Moutusi Dey, SMS (Horticulture) & Mr. Debdas Sekhar, SMS (Fishery Sci.)

1.	Title	:	Assessment of improved parboiling technology for quality enhancement of rice grain to increase consumer acceptability of scented and non scented rice varieties of Uttar Dinajpur district.	
2.	Thematic Area	:	Drudgery reduction/quality enhancement	
3.	Problem area	:	Quality of parboiled rice grains is not upto the mark of consumer preference	
4.	Important cause	:	Traditional parboiling menthods are used which are tiresome and low quality grain production.	
5.	Production system	:	Farm family	
6.	Micro-farming situation	:	Household level paddy parboiling by farmwomen	
7.	Technology for testing	:	Improved paddy parboiling equipment/method	
8.	Existing practice	:	Traditional method of parboiling	
9.	Objectives	:	Refinement of hand maize to increase the output.	
10.	Hypothesis	:	Improved technology will lead to better output, efficiency and quality grains	
	Treatments	:	Treatment details :	
			Farmers' practice	Soaking rough rice overnight or longer followed by steaming at 100 ⁰ c , cooled and sundried
			Technology option 1	Use of pan with perforated base to steam the paddy and use of Short Soaking Tempering method(SST) (presoak for 4hrs at 90 ⁰ c, steamed and dried)
			Technology option 2	Use of wooden sticks be covered with a jute sack as a platform on which paddy will be steaming and use of Short Soaking Tempering method(SST)
11.	Critical inputs	:	Perforated base, Paddy parboiling unit	
12.	Unit size	:	A farm family	
13.	No. of replications	:	8	
14.	Unit cost	:	Rs.1000/-	
15.	Total cost	:	Rs.8000/-	
16.	Monitoring indicators	:	<ul style="list-style-type: none"> • Time and energy saving • Quality analysis of rice samples. • Before and after feedback 	

ON-FARM TRIAL VIII (Repeat 2nd year)

Principal Investigator: Dr. Anjali Sharma, SMS (Home Science)

Co-investigator: Mr. Debdas Sekhar, SMS (Fishery Science)

1.	Title	:	Assessment of nutritional supplement to enhance the production of oyster mushroom.	
2.	Problem area	:	Average yield obtained by farmers is low compared as to potential yield as cited in literature and obtained by commercial growers.	
3.	Important cause	:	Lack of awareness leads to low production	
4.	Production system	:	Homestead Mushroom production units	
5.	Micro-farming situation	:	Small growers having 500-1000 cylinder per batch	
6.	Technology for testing	:	supplementation of nutrient through urea and glucon D	
7.	Existing practice	:	No awareness about any supplement	
8.	Objectives	:	Nutrient supplement may enhance growth hence leads to better productivity and return.	
9.	Hypothesis	:	Supplementation with urea and glucon-D would leads to better production.	
10.	Treatments	:	Treatment details :	
			Farmers' practice	No use any supplements
			Technology option 1	Spray of 1% urea solution in two days interval after mycelium growth before onset of initial pins and just after 1 st harvest
			Technology option 1	Spray of 1% Glucon D solution in two days interval after mycelium growth before onset of initial pins and just after 1 st harvest
11.	Critical inputs	:	Urea and Glucon D	
12.	Unit size	:	20 cylinders(minimum)	
13.	No. of replications	:	8	
14.	Unit cost	:	Rs.500/-	
15.	Total cost	:	Rs.4000/-	
16.	Monitoring indicators	:	<ul style="list-style-type: none"> • Net production per cylinder • Difference in onset of pinning • Before and after feed back 	

EXTENSION ACTIVITIES

Sl. No	Activities/ Sub-Activities	Quarter-wise Area/No.				Particulars												Tot.	Exp. Involved (in Rupees)
		I	II	III	IV	I			II			III			IV				
						SC	ST	Oth	SC	ST	Oth	SC	ST	Oth	SC	ST	Oth		
1.	Field days	6	6	8	8	180	50	90	170	40	60	200	50	100	200	60	150	1350	94500.00
2.	Exhibition/Fair	-	-	-	1	-	-	-	-	-	-	-	-	-	2000	500	1550	3750	350000.00
3.	Clinic centers	2	2	2	2	25	30	30	25	30	30	30	30	25	15	25	30	325	6500.00
4.	Advisory/ Enquiry	1	1	1	1	25	15	30	15	15	20	10	10	10	15	15	20	200	2000.00
5.	Diagnostic Service																		00.00
5.1	Farmers' visit to KVK																	1200	3000.00
5.2	Scientists' visit to Farmers' field	15	20	25	25													1500	6000.00
6.	Video show	4	8	8	8	25	20	50	25	20	50	25	20	50	25	20	50	380	4000.00
7.	Publication/ Distribution	2	2	2	2	360	50	350	250	50	100	280	75	200	85	50	50	1900	25000.00
8.	Farm Science Club	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	120	3500.00
9.	Self Help Group	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	45	3000.00
10	Swachha Bharat Abhijan	1	1	1	1														10000.00
11	Awareness camp for school children for recent Agro techniques	3	3	3	3														20000.00
12	Celebration of Special days	3	2	3	2														15000.00
13	Phone call																	5000	
14	KMS	12	12	12	12													1,87,200	
	Total:																		5,42,500.00

ACTIVITIES IN THE INSTRUCTIONAL FARM/DEMONSTRATION UNIT

Sl No	Enterprise	Season	Area (ha)/no.	Unit (No)	Components of Technology
1.	Agronomy				
a.	Cultivation of HYV rice				
	MTU-1010, Sahabaghi	Kharif	4.5	10	Seed Production
	Pratiksha	Kharif		10	Seed Production
	IET-4094,MTU 1001	Kharif		10	Seed Production
	PARIJAT	Kharif		10	Seed Production
	Pratiksha	Kharif		10	Seed Production
b	Cultivation of local scented rice				
	Tulaipanji	Kharif	0.05	1	Seed Production
c.	Dhaincha	Kharif	0.05	1	Seed Production
d.	Pulses				
	Blackgram (WBU – 109 & PU - 31)	Kharif	0.3	4	Seed Production
	Greengram (PDM – 139 & SML - 668)	Pre – kharif	1.5	8	Seed Production
e.	Oilseeds				
	Sesame (Tilottoma)	Pre – kharif	1.0	6	Seed production
	Mustard NC-1	Rabi	1.5	9	Seed Production
2.	Horticulture				
a.	Arecanut	Round the year	2500	2	Planting materials production
b.	Guava	June-July	600	1	Planting materials production
c.	Lime	June-July	1000	1	Planting materials production
d.	Mango	June-July	100	1	Planting materials production
e.	Strawberry	Pre-kharif	600	1	Planting material production
	Banana	Round the year	1000	1	Sucker production
f.	Drum stick	Round the year	200	1	Seedling production
g.	Broccoli	Rabi	5000	1	Seedling production
h.	Zucchini	Rabi	1000	1	Seedling production
i.	Capsicum	Rabi	500	1	Seedling production
j.	Tomato	Rabi	5000	1	Seedling production
k.	Chilli	Rabi	5000	1	Seedling production
	Brinjal	Rabi	5000	1	Seedling production
l.	Cabbage	Rabi	2000	1	Seedling production
m.	Cauliflower	Rabi	2000	1	Seedling production
n.	Chrysanthemum	Rabi	200	1	Planting materials production
o.	Gladiolus	Rabi	100	1	Corm production
	Kuchia	April	200	1	Planting materials

SI No	Enterprise	Season	Area (ha)/no.	Unit (No)	Components of Technology
					production
p.	Seasonal flower plant	Round the year	2000	1	Planting materials production
q.	Elephant Foot Yam	Pre-kharif	2.0 q	1	Seed production
r.	Tomato	Rabi	1.5 kg	1	Seed production
s.	Chilli	Rabi	2.0 kg	1	Seed production
	Brinjal	Rabi	2.0 kg	1	Seed production
	Turmeric	Pre-kharif	0.7 q	1	Seed production
	Bottle gourd	Pre Kharif	2 kg	1	Seed production
	Ridge gourd	Pre Kharif	1 kg.	1	Seed production
t.	Garden pea	Rabi	0.16 q	1	Seed production
	Papaya	Round the year	2 kg	1	Seed production
	Onion	Rabi	10 kg	1	Seed production
3.	Fishery				
a.	Composite fish culture	Kharif	54000 nos fingerlings	1	Fry and fingerlings rearing

REVENUE GENERATION TARGET 2017-2018

SI No.	Crop/Enterprise	Area / unit	Expected production	Expenditure (Rs.)	Gross return (Rs.)	Net return (Rs.)
1	Rice – Seed production	4.5 ha	10 ton	2,10,540.00	4,00,000.00	1,89,460.00
2	Wheat	0.2 ha	0.34 ton	11,000.00	13,600.00	2,600.00
3	Black gram	0.3 ha	0.3 ton	15,000.00	45,000.00	30,000.00
4	Greengram	1.5 ha	0.8 ton	45,000.00	1,20,000.00	75,000.00
5	Mustard – Seed pdn.	1.5 ha	1.2 ton	60,000.00	1,80,000.00	1,20,000.00
6	Sesame	1.0 ha	0.6 ton	30,000.00	60,000.00	30,000.00
7	Areca nut sapling	2500 nos	2500 nos.	10,000.00	37,500.00	27,500.00
	Fruit saplings	5000 nos	5000 nos.	25,000.00	2,00,000.00	1,75,000.00
8	Vegetable saplings	70000	70000 nos.	25,000.00	70,000.00	45,000.00
	Vegetable Seeds	0.4 ha	0.03 ton	30,000.00	45,000.00	15,000.00
9	Elephant Foot Yam	0.03 ha	0.8 ton	10,000.00	40,000.00	30,000.00

10	Fish fingerlings	0.06 ha	54000 nos	15,000.00	54,000.00	39,000.00
	Fish (Table size)	0.06 ha	0.2 ton	10,000.00	26,000.00	16,000.00
	Goatery	0.002 ha	6 nos.	10,000.00	42,000.00	32,000.00
	Duckery	0.001 ha	40 nos.	8,000.00	16,000.00	8,000.00
Total:				5,14,540.00	13,49,100.00	8,34,560.00

Scientific Advisory Committee

Date of SAC meeting held during 2016-17	Proposed date
December 14, 2016	May 30, 2017
	January 17, 2018

PROPOSED EXPENDITURE FOR DIFFERENT KVK ACTIVITIES (2017-2018):

Sl No.	Activities	Proposed expenditure (Rs. in lakhs)
01.	KVK Training (P.F. + R.Y. + Extn. Fctn.)	11.66
02.	FLD on crops and enterprises other than oilseeds and pulses	5.54
03	KVK extension activities	5.42
04.	On-farm testing	1.41
05.	Tribal Sub Plan (TSP)	5.00
	Total :	29.03

Fund requirement and expenditure (Rs.)

Head	Expected requirement (Rs.)
Recurring	
Pay & allowance (16 nos. staff members)	1,30,00,000.00
Contingency (including office contingency Rs. 6 lac)	35,30,000.00
TA	2,00,000.00
HRD	1,00,000.00
Sub total	1,68,30,000.00
Non-recurring (specify)	
New vehicle (Mahindra Scorpio)	12,00,000.00
Furniture & equipment	5,00,000.00
Furniture and other accessories for Training Hostel	2,00,000.00
Garage for tractor, motor cycle & vehicle	4,00,000.00
Lone Transformer for KVK for uninterrupted power supply	5,00,000.00
Lightening of office premises including street lights with LED facilities for KVK farm and Seed godown surroundings through underground cable line	10,00,000.00

Broadband internet connection through dedicated fiber optical cable connection	1,50,000.00
Iron remover for ponds, training hostel & office building	6,00,000.00
Cycle stand for farmers	1,50,000.00
Boring of new Tubewell	3,00,000.00
Construction of additional 200 sq. m. building	22,00,000.00
Library	50,000.00
Repairing of Training Hostel	5,00,000.00
Renovation of Soil Testing Lab and up-gradation	8,00,000.00
Completion of staff quarters	10,00,000.00
Irrigation channel	5,00,000.00
Construction of all weather metal road	20,00,000.00
Sub total	1,20,50,000.00
Grand Total	2,88,80,000.00

Signature of
Director of Extension Education
Uttar Banga Krishi Viswavidyalaya

Signature of
Sr. Scientist & Head