



STATUS REPORT
of
RATHINDRA KRISHI
VIGYAN KENDRA

April 2014 – March 2016

Compiled by

Rathindra Krishi Vigyan Kendra
Palli Siksha Bhavana
Visva-Bharati
Sriniketan, P. O. – Sriniketan,
Dist. - Birbhum
West Bengal - 731236

A.**1. Varieties/strains/species of seeds/planting material/cattle/poultry etc. / fish produced****a. 2014-2015****Village Seed**

Crop	Variety	Quantity of Seed (q)	Value (Rs)	Number of Farmers Provided
Paddy	PNR – 381, Pusa – 44, Pusa – Sugandh 5, Lalat, MTU-1010, IET-4786, IR-64, Rajendra Masuri, Pratiksha, MTU-7029, ESR-101	276.00	Yet to be sold	-
Wheat	HD 2733, HD 2824, PBW 343, HP 1761, HD 2985, HI 1563, PBW 373, HW 2045	180.00	5,76,000.00	480
Black Gram	WBU – 108	55.00	2,20,000.00	785
Lentil	WBL- 58	17.5	Yet to be sold	-
Sesame	Improved Selection – 5/ Sabitri	57.0	1,43,500.00	853
Total		585.50	9,38,500.00	2093

KVK Farm

Crop	Variety	Quantity of Seed (q)	Value (Rs)	Number of Farmers Provided
Black Gram	WBU – 108	0.25	2,000.00	10 and a small quantity kept in KVK Go-down.
Lentil	WBL – 58	0.45	2,250.00	Kept in KVK go-down
Green Gram	PDM-84-139	0.20	1,600.00	Kept in KVK Go-down
Mustard	B – 9	1.50	7,500.00	Kept in KVK go-down
	Pusa Mahek	0.52	2,600.00	Kept in KVK go-down
	Pusa Bahar	0.92	4,600.00	Kept in KVK go-down
Sesame	Sabitri	0.70	5,200.00	50
Paddy	Heera, MTU – 1010, MTU – 7029, IET – 4786, Pusa – 44, PNR – 381	6.00	18,000.00	Kept in KVK Go-down
Wheat	HD - 2824	1.5	5,250.00	Kept in KVK Go-down
Grand Total		12.04	49,000.00	60

Production of planting materials by the KVK

Crop	Variety	Quantity of Seed (q)	Value (Rs)	Number of Farmers Provided
Vegetable seedlings				
Broccoli	F – 1 Hybrid Fiesta	1000 in numbers	2,000.00	15

Capsicum	Bharat, Mahabharat	2000 in numbers	4,000.00	35
Total		3,000	6,000.00	50

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilizers	<i>Azolla</i>	300.00	9,000.00	20
Bio Agents	Earth-worm (<i>Eisenia foetidae</i>)	1400 No.	700.00	05
Others	Vermi-Compost	180.00	1,440.00	12
Total			11,140.00	37

Production of Livestock Materials

Particulars of Live Stock	Name of the Breed	Number	Value (Rs.)	No. of Farmers
Poultry	Broiler	200	Rs. 27,000.00	-
Indian carp		1.5 qt.	7,600.00	-
Exotic carp		0.5 qt.	2,400.00	-
Others (Pl. specify)				
Grand Total			37,000.00	-

b. 2015-2016

Village Seed

Crop	Variety	Quantity of Seed (q)	Value (Rs)	Provided Number of Farmers
Paddy	PNR – 381, MTU-1010, IET-4786, IR-64, Rajendra Masur, Pratiksha, MTU-7029, GB - 1	320.00	Yet to be sold	-
Wheat	HD 2824, PBW 343	192.00	5,31,000.00	430
Black Gram	WBU – 108, WBU - 109	74.00	2,32,000.00	802
Lentil	WBL- 77	725.00	70,000.00	340
Sesame	Sabitri	64.00	1,43,500.00	853
Green Gram	Samrat	84.00	2685.00	-
Linseed	Deepika	40.00	535.00	-
Field Pea		77.00		
Total		1576.00	9,79,720.00	2,425

KVK farm

Crop	Variety	Quantity of Seed (q)	Value (Rs)	Number of Farmers Provided
Field Pea	Prabhat	0.40	1,200.00	Kept in KVK go-down
Green Gram	PDM-84-139	0.30	3,150.00	10
Black Gram	WBU - 108	0.30	3,150.00	10
Black Gram	WBU - 108	0.10	1,000.00	Kept in KVK go-down
Mustard	B – 9	0.13	650.00	13
	Pusa Mahek	1.87	9,350.00	187
Linseed	Dipika	2.00	12,000.00	Kept in KVK go-down
Paddy	MTU – 1010, MTU –	0.825	2,475.00	13

	7029, PNR – 381, Heera			
Paddy	MTU – 7029, GB- 1, Pratiksha, Heera	7.00	21,000.00	Kept in KVK go-down
Dhaincha	Local Improved	0.92	3,680.00	20
Wheat	HD - 2824	5.00	17,500.00	25
Wheat	PBW - 343	5.00	17,500.00	Kept in KVK go-down
Ripened Mango Fruits	Himsagar, Amrapali, Mallika, Kohitoor, Golap Khas, Ranipasand, Bombai etc.	03.20	12,800.00	Sold to 122 numbers of persons.
Ripened Water Apple Fruits		00.89	2685.00	Sold to 31 numbers of persons.
Moosambi		107 pcs.	535.00	Sold to 10 numbers of persons.
Grand Total		25.935	1,02,675.00	278

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs.)	Provided to number of farmers
Vegetable seedlings				
Cauliflower	PAN - 3030	1000	2,000.00	06
Cabbage	Seminis – 111	2000	4,000.00	12
Chilli	PAN - 1498	1000	3,000.00	08
Broccoli	F – 1 Hybrid Fiesta	1000	3,000.00	15
Capsicum	Bharat, Mahabharat	1000	3,000.00	35
Drum Sticks	PKM - 1	100	2,000.00	7
Total		6,100	17,000.00	83

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers
	Kg		
Bio Fertilizers - <i>Azolla</i>	307.5	15,375.00	20
Bio Agents - Earth-worm (<i>Eisenia foetidae</i>)	3500 No.	7,000.00	35
Others - Vermi-Compost	275.0	2,200.00	Used in KVK Flower and Vegetable garden.
Total		24,575.00	55

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Poultry	Rhode Island Red (RIR)	20	2,500.00	7
	Vanaraja	25		
Broilers	Broiler	200	27,000.00	15
Indian carp	Rohu, Catla and Mrigal	1.5 lakhs Fry	3,000.00	10
Exotic carp	Silver Carp, Cyprinus and Grass Carp	0.5 lakhs Fry	1,000.00	03
Grand Total			33,500.00	35

2. Standardization of package of practices for crop cultivation/livestock rearing/fish production

a. 2014 – 2015

Sl. No.	Crop
1.	Culture of Giant Prawn as a Component of Composite Fish Culture
2.	Cultivation of new High Yielding Wheat Variety HD - 2824
3.	Cultivation of Drumstick Variety PKM – 1 which can be harvested throughout the year
4.	Cultivation of High Yielding Summer Sesame Variety SWB-32-10-1
5.	Cultivation of High Yielding Summer Black Gram Variety WBU - 108
6.	Cultivation of High Yielding Rabi Green Gram Variety PDM-84-139
7.	Cultivation of Pre-Kharif Dhaincha Variety Local Selection as Green Manure Crop
8.	Seed Treatment of Kharif Paddy Variety MTU - 7029 with <i>Trichoderma viridae</i>
9.	Cultivation of High Yielding Improved Kharif Elephant Foot Yam Variety Bidhan Kusum
10.	Cultivation of High Yielding Kharif Black Gram Variety WBU – 108 as Contingent Crop
10.	Cultivation of High Yielding Kharif Maize Variety HQPM – 1 and HM – 4 in Rain-fed, Medium Land Situation and in Low Rainfall Condition
11.	Cultivation of High Yielding Kharif Red Gram Variety ICPL 87-119 in Rain-fed Up-land condition
12.	Cultivation of Hybrid Capsicum Varieties Bharat and Mahabharat in Rabi Season
13.	Cultivation of Hybrid Broccoli Variety F ₁ Hybrid Fiesta in Rabi Season
14.	Cultivation of New High Yielding Mustard Varieties Pusa Bahar and Pusa Mahek in Rabi Season
15.	Cultivation of Improvd Fodder Oat Variety Kent in Rabi Season
16.	Cultivation of High Yielding Fodder Berseem Variety BL – 10 in Rabi Season
17.	Administering Area Specific Mineral Mixture to the Lactating Deshi Cows
18.	Cultivation of Hybrid Napier Variety Co - 4

b. 2015 -2016

Sl. No.	Crop
01.	Use of Drum Seeder for direct seeding of Paddy in lines in Kharif Season
02.	Cultivation of High Yielding Wheat Variety PBW – 343 in Rabi Season
03.	Cultivation of High Yielding Linseed Variety Deepika in Rabi Season
04.	Cultivation of High Yielding Chick Pea Variety Anuradha in Rabi Season
05.	Cultivation of High Yielding Lentil Variety WBL – 77 in Rabi Season
06.	Cultivation of High Yielding Field Pea Variety Pravat in Rabi Season
07.	Use of Cono Weeder for Mechanical weeding in SRI for Boro Paddy Cultivation
08.	Cultivation of Improved Fodder Sorghum Varieties MP – Chari and Jumbo in Pre-Kharif Season
09.	Cultivation of Improved Fodder Maize Variety African Tall in Kharif Season
10.	Cultivation of Improved Fodder Rice Bean Varieties Bidhan – 1 and Bidhan -2 in Kharif Season
11.	Low cost concentration supplementation for flushing of Does
12.	Group formation for accumulating Social Capital and increasing Family Incomes

3. Technology Assessed and Transferred/Extension /Training/Demonstration/ Consultancy/ Advisory Provided to the Farmers

i. Technology Assessed and Transferred

a. 2014 – 2015

Thematic Area	Title	Treatments	No. of farmers
Nutrient Management	Assessment of balanced NPK management for increasing yield of Yellow Sarson var. B-9	Farmers' Practice: 80:20:20 Kg N, P ₂ O ₅ , K ₂ O/ ha using the source of 10:26:26 and Urea Tech. Option I: State recommendation (60:30:30 Kg N, P ₂ O ₅ , K ₂ O/ ha) using the source of Urea, SSP and MOP Tech. Option II: Soil Testing Based NPK management using the source of Urea, SSP and MOP Nutrients in Technology Option –I and II were applied irrespective of sulphur as the source of phosphate like SSP contains sulphur	15
Variety Replacement	Assessment of location specific bacterial wilt tolerant brinjal varieties during winter season under irrigated medium land situation of Birbhum district	Farmers' Practice : Local Improved Technology Option I: Indam-504 (bacterial wilt tolerant hybrid) Technology Option II : Indam-902 (bacterial wilt tolerant hybrid)	10
Variety Replacement	Assessment of location specific powdery mildew tolerant cucumber varieties during winter season under irrigated medium land situation of Birbhum district	Farmers Practice : Local Improved Technology Option I: Snow white (powdery mildew tolerant hybrid) Technology Option II : Swadisht (powdery mildew tolerant hybrid)	10
Weed Management	Weed management in transplanted Kharif Paddy Var. MTU - 7029 under rainfed medium land condition at lateritic soil of Birbhum	Farmers' Practice: Hand Weeding Technology Option I: Pyrazosulfuron-ethyl @ 25 g a.i. /ha (1-3 DAT) Technology Option II: Metsulfuron- methyl + chlorimuron-ethyl @ 4 g a.i./ ha (7-12 DAT) Technology Option III: Pretilachlor @ 1.0 lit a.i./ha (1-3 DAT)	7
Weed Management	Assessment of effect of different herbicides in weed management in summer pulse, Black Gram Var. WBU-108 in irrigated medium land in lateritic soil	Farmers' Practice: No weeding Technology Option I: Pendimethalin @ 0.75 lit a.i./ha as pre emergence (0-3 DAS) Technology Option II: Quizalofop- P-ethyl @ 50 ml a.i./ha as early post emergence (15-20 DAS) Technology Option III: Fenoxaprop-P-ethyl @ 60 ml a.i./ ha as early post emergence (15-20 DAS)	10
Nutritional Management	Assessment of specific vitamins as growth promoters in carp spawn and fry feed to increase the survival rate to a profitable manner	Farmers' Practice: Irregular feed application without growth promoter Technology Option I: Yeast (2%) + Cobalt Chloride (0.1%) + Scientific feed Technology Option II: Yeast (2 %) + Vitamin C (0.5%) +Scientific feed Technology Option III: Yeast (2%) + Vitamin B complex (0.01%) + Scientific feed	5
Integrated Farming System	Assessment of profitability due to integration of different components under fish based production systems in lateritic soil of Birbhum District	Framers' Practice: Traditional Fish Farming (1 unit = 0.19 ha pond only + fallow land) Technology Option I: composite fish culture (IMC) + Duck farming (Khaki Campbell 21 nos) + <i>Azolla</i> + Pulses (Redgram and Blackgram) (1 unit= 0.19 ha pond + 150 nos. Of poultry + 0.13 ha utilised land with pulse) Technology Option II: composite fish culture (IMC) + Duck farming (Khaki Campbell 21 nos) + <i>Azolla</i> + Vegetables (Ladys' Finger and Capsicum) (1 unit= 0.19 ha pond + 150 nos. Poultry + 0.13 ha utilised land by vegetables)	7
Breed replacement	Assessment of performance of different breed of poultry birds under backyard management system	Farmers' Practice: Deshi Poultry bird Technology Option I: Rhode Island Red (RIR) Technology Option II: Vanraja	7

b. 2015 – 2016

Thematic Area	Title	Treatments	No. of farmers
Nutrient Management	Assessment of balanced NPK management for increasing yield of yellow sarson under irrigated lateritic soil of Birbhum district.	Farmers' Practice: 80:20:20 NPK Kg/ha Technology Option - I: State recommendation (60:30:30 NPK Kg/ha) Technology Option - II: Soil Testing based NPK	10
Variety Replacement	Assessment of location specific Late Kharif season or Early Winter Season Cauliflower varieties for lateritic area of Birbhum district	Farmers' Practice - Pan - 1008 Technology Option - I - D - 175 Technology Option - II - S - 4051	10
Variety Replacement	Assessment of location specific Late Kharif or Early Winter Cabbage varieties for lateritic area of Birbhum district	Farmer's Practice: - M - 111 Technology Option - I - I - 1299 Technology Option - II - Himani	10
Weed Management	Weed Management in transplanted <i>kharif</i> rice	Farmers' Practice: Hand Weeding Technology Option - I: Pyrazosulfuron-ethyl @ 2.5 g a.i /ha as pre emergence (1-3 DAT) Technology Option - II: Metsulfuron-methyl + chlorimuron- ethyl @ 4 g a.i /ha at 7-12 DAT Technology Option - III: Pretilachlor @ 1.0 lit a.i /ha as pre emergence (1-3 DAT)	7
Weed Management	Weed management in summer pulse	Farmers' Practice: No Weeding Technology Option - I: Pendimethalin @ 0.75 lit a.i /ha as pre- emergence (0-3 DAS) Technology Option - II: Quizalofop -P-ethyl @ 50 ml a.i./ha as early post emergence (15-20 DAS) Technology Option - III: Fenoxaprop-P-ethyl @ 60 ml a.i./ha as early post emergence (15-20 DAS)	7
Nutritional Management	Assessment of specific vitamins as growth promoters in carp spawn and fry feed to increase their survival rate to a profitable extent	Farmers' Practice: Irregular feed application without growth promoters Technology Option - I: Yeast (2%) + Cobalt Chloride (0.1%) with scientific feed Technology Option - II: Yeast (2%) + Vit. C (0.5%) with scientific feed Technology Option - III: Yeast (2%) + Vit. B Complex (0.01%) with scientific feed Scientific Feed = Rice Bran (50%) + MOC (50%)	5
Integrated Framing System	Assessment of profitability within components of integrated farming systems under fish based production system in lateritic soil of Birbhum District	Farmers' Practice: Traditional Fish Farming Technology Option - I: Composite fish culture + Duck farming + Azolla + Pulses Technology Option - II: Composite fish culture + Duck farming + Azolla + Vegetables	7
Breed replacement	Evaluation of performance of Rural Poultry Breed under Backyard Management System	Farmers' Practice: Deshi Poultry Bird Technology Option - I: Rural Poultry Breed (Breed - Vanaraja) Technology Option - II: Improved Poultry Breed [Breed - Rhode Island Red (RIR)]	7

Broiler management	Evaluation of efficacy of non antibiotic growth promoter in broiler poultry	Farmers' Practice: Without any growth promoters Technology Option – I: Lactobacillus + Saccharomyces (500gm/ton of feed) Technology Option – II: Xylanase +Phytase + Amylase + Protease enzyme (250 gm/ton of feed)	7
Storage of Vegetables	Evaluation of Shelf-Life of Vegetables stored in a modified Earthen Pot Cool Chamber	Farmers' Practice – Vegetables Stored in room temperature Technology Option – I: Vegetables Stored in Bamboo Baskets with Wet Gunny Bags Technology Option – II: Vegetables Stored in Modified Earthen Pot Cool Chambers	10
Training Methods	Evaluation of efficacy of different Training Methods for Skill Development Trainings	Prevalent Practice: Lecture Methods Technology Option – I: Group Discussion Technology Option – II: Case Study Technology Option – III: Field Visits Technology Option – IV: Demonstration Technology Option – V: Experiential Learning	60

ii. Extension Activities

a. 2014 – 2015

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	13	411	69	480	05	02	07	416	71	487
Kisan Mela	02	617	106	723	46	07	53	663	113	776
Kisan Ghosthi										
Exhibition	01	527	95	622	05	02	07	532	97	629
Film Show	08	101	88	189	05	02	07	106	90	196
Method Demonstrations	03	00	96	96	05	02	07	05	98	103
Farmers Seminar	01	37	00	37	07	02	09	44	02	46
Lectures delivered as resource persons	06									
Scientific visit to farmers field	132	431	162	593	05	02	07	436	164	600
Farmers visit to KVK	126	322	86	408	05	02	07	327	88	415
Soil health Camp	06	46	00	46	05	02	07	51	02	53
Animal Health Camp	11	388	26	414	05	02	07	393	28	421
Plant Diagnostic Camp	01	14	00	14	05	02	07	19	02	21
Farmers-Scientists Interactions	04	132	00	132	05	02	07	137	02	139
Awareness Camps	03	93	00	93	05	02	07	98	02	100
“SWACCH	10	341	210	551	05	02	07	346	212	558

BHARAT” Campaign										
School Level Awareness on Elementary Knowledge about Agriculture	02	21	138	159	05	02	07	26	140	166
Swine Flu Awareness Campaign	06	229	167	396	05	02	07	234	169	403
Farmer to Farmer Technology Dissemination	01	50	00	50	05	02	07	55	02	57
Mobile Advisory Service through Farmers Portal	291	101112	38695	139807	00	00	00	101112	38695	139807
Total	630	104872	39938	144810	128	39	167	105000	39977	144977

Other Extension activities

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Newspaper coverage	08									
Radio talks	21									
TV talks	33									
Extension Literature	15	870	580	1493	40	10	50	910	590	1500
Total	77									

b. 2015 – 2016

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	17	625	158	783	45	18	63	670	176	846
Kisan Mela	01	1025	565	1590	06	02	08	1031	567	1598
Kisan Ghosthi										
Exhibition	05	311	529	840	30	10	40	341	539	880
Film Show	04	301	371	672	24	08	32	325	379	704
Method Demonstrations	01	61	107	168	06	02	08	67	109	176
Farmers Seminar	01	40	05	45	06	02	08	46	07	53
Workshop	01	55	00	55	05	02	07	60	02	62
Advisory Services through SMS through National Farmers’ Portal	32	25647	10861	36508	160	64	224	25807	10925	36732
Scientific visit to farmers field	151	445	207	652	45	18	63	490	225	715
Farmers visit to KVK	164	287	109	396	45	18	63	332	127	459

Diagnostic visits										
Exposure visits	03	119	00	119	06	02	08	125	02	127
Animal Health Camp	09	250	19	269	45	18	63	295	37	332
Agri mobile clinic										
Soil test campaigns	10	760	456	1216	20	06	26	780	482	1262
Farm Science Club Conveners meet	03	150	35	185	18	06	24	168	59	227
Self Help Group Conveners meetings	04	111	101	211	24	08	32	135	109	244
Awareness Camps in Schools	03	121	25	146	05	02	07	126	27	153
Jai Kisan Jai Vigyan Diwas	01	59	07	65	06	02	08	65	09	74
Celebration of World Veterinary Day	02	43	07	50	06	02	08	49	09	58
Total	412	30,410	13,600	44,010	502	190	692	30,912	13,790	44,702

Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	04
Radio talks	13
TV talks	16
Popular articles	05
Extension Literature	16
Other, if any Answers to the Questions of the readers in the Section "Jaldi Jabab (Quick Answers)" published in "Chasher Disha" of Anandabazar Patrika, South Bengal edition in Wednesday on various issues related to Agriculture and Allied Sectors.	07

iii. Training

a. 2014 – 2015

Practicing Farmers and Farm Women (On Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	43	652	40	692	351	10	361	204	129	333	1207	179	1386

Rural Youths (On Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	5	57	00	57	39	00	39	04	00	04	100	00	100

Extension Personnel (On Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	1	24	00	24	02	00	02	01	00	01	27	00	27

Practicing Farmers and Farm Women (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	42	563	153	716	471	238	709	171	227	398	1236	591	1827

Rural Youths (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	1	11	04	15	00	00	00	02	02	04	13	06	19

Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	02	55	00	55	32	00	32	02	00	02	89	00	89

Grand Total

Total No. of Training Courses	Total No. of Trainees
94	3448

b. 2015 – 2016**Practicing Farmers and Farm Women (On Campus)**

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	71	819	247	1066	391	204	595	433	154	587	1643	605	2248

Rural Youths (On Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	10	69	00	69	64	00	64	36	00	36	169	00	169

Extension Personnel (On Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	22	112	144	256	28	69	97	07	40	47	147	253	400

Practicing Farmers and Farm Women (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	27	196	49	245	106	63	169	258	297	555	560	409	969

Rural Youths (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	00	00	00	00	00	00	00	00	00	00	00	00	00

Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	00	00	00	00	00	00	00	00	00	00	00	00	00

Grand Total

Total No. of Training Courses	Total No. of Trainees
130	3786

iv. Demonstration

a. 2014 - 2015

Cereals

Sl. No	Crop	Thematic area	Technology Demonstrated with Detailed Treatments	Area (ha)		No. of farmers/demonstration				Reasons for short fall in Achievement
				Proposed	Actual	SC	ST	Others	Total	
1	Wheat (Rabi – 2013 – 14)	Varietal replacement	Improved variety-HD-2824	-	2.7	6	5	2	13	-
2	Maize (Kharif, 2014)	Crop Diversification	Improved Variety HQPM-1	2.5	2.5	5	12	8	25	-
3	Paddy (Kharif – 2014)	Integrated Pest Management	Seed Treatment with <i>Trichoderma viridae</i> in paddy variety MTU-7029	10	10	21	7	47	75	-
4	Wheat (Rabi-2014-15)	Varietal replacement	Improved variety- HD 2824	6.0	6.0	5	15	17	37	-

Oilseeds

Frontline Demonstrations on Oilseed Crops

Crop	Thematic Area	Name of the technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	* Economics of demonstration (Rs/ha)				* Economics of check (Rs/ha)			
					Demonstration	Check		Gross cost	Gross return	Net return	** BCR	Gross cost	Gross return	Net return	** BCR
Sesame, Summer, 2014	Varietal Replace-ment	SWB-32-10-1	52	4.0	10.5	8.6 (Tilottoma)	22.1	12670	31500.	18830	2.49	11950	25800	13850	2.2
Mustard, Rabi, 2014-15	Varietal Replace-ment	Pusa Bahar	30	2.5	11.8	9.9 (B-9)	19.2	13000	35400	22400	2.72	12100	29700	17600	2.45
Total			82	6.5											

Pulses

Frontline Demonstration on Pulse Crops

Crop	Thematic Area	Name of the technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	* Economics of demonstration (Rs/ha)				* Economics of check (Rs/ha)			
					Demonstration	Check		Gross cost	Gross return	Net return	** BC ratio	Gross cost	Gross return	Net return	** BC ratio
Green gram,	Varietal	PDM 84-139	65	5.0	11.7	9.4	24.5	19514	58500	38986	2.99	18000	47000	18375	2.6

Summer, 2014	Replacement					(B-105)										
Black gram, Summer, 2014	Varietal Replacement	WBU-108	37	4.0	9.2	7.1 (B-76)	29.4	18514	46000	27486	2.48	18225	35500	17275	1.94	
Redgram, Kharif, 2014	Varietal Replacement	ICPL-87-119	25	5.0	15.8	11.9 (Sweta)	32.8	19700	63200	43500	3.21	18200	47600	29400	2.61	
Total			127	14.0												

Other Crops

Crop	Them ic Area	Name of the technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase in yield	Other parameters			* Economics of demonstration (Rs/ha)				* Economics of check (Rs/ha)			
					Demo nstration	Check			De mo	Che ck	Gross cost	Gross return	Net return	** BCR	Gross cost	Gross return	Net return	** BCR
Wheat Rabi, 2013-14	Varietal replacement	HD 2824	13	2.7	39.8	32.9	20.1				19100	47760	28660	2.5	18000	39480	21480	2.1
								No. of tillers / hill	11.2	8.9								
								No. of grains/ ear	55.4	48.7								
Drumstick (Kharif, 2014-15)	Varietal replacement	PKM – 1	64	2.0	37.50	17.00	120.6	Length of Fruits (cm)	74.3	58.8	27000	75000	48000	2.78	24000	34000	13000	1.42
Dhaincha Pre kharif, 2014	Soil Health Management	Green Manuring in rainy season paddy var. MTU-7029	27	4.0	59.8 (Paddy yield)	50.9 (Paddy yield)	17.4	No. of panicles/ m ²	392	359	56120	76830	20710	1.36	57250	67080	9830	1.17
								No. of grains/ panicle	149	133								
Paddy Seed treatment, Kharif, 2014	IPM	Seed Treatment with Trichoderma viride in paddy var. MTU-7029	75	10	55.6	50.9	9.2	No. of panicles/ m ²	378	358	60150	77840	17690	1.29	62250	71260	9010	1.14
								No. of grains/ panicle	142	135								

Elephant's Foot Yam Kharif, 2014	Varietal Replacement	Bidhan Kusum	20	0.14	685.0	199.1	244	Corm Size (cm)	26.8	10.3	5,25,000	13,70,000	8,45,000	2.61	2,29,000	3,98,200	1,69,2000	1.73
Maize, Kharif, 2014	Crop diversification	HQPM-1	25	2.5	57.2	39.1 (Early composite)	46	Grains/cob	420.3	395.4	27500	51480	23980	1.87	22000	35190	13190	1.59
								Test Weight (g)	277.1	269.5								
Paddy, Kharif, 2014	Seed treatment ,	Seed treatment with Trichoderma Viridae ,Var. MTU-7029	75	10	64.1	57.1 (Without seed treatment)	12.3	No. of tillers / hill	24.5	20.1	42000	83330	41330	1.98	45000	74230	29230	1.64
								No. of grains/ ear	139.5	110.2								
								No. of tillers / hill	11.2	8.9								
								No. of grains/ ear	55.45	48.7								
Capsicum Rabi, 2014-2015	Varietal Replacement	Bharat	15	0.85	45.1	24.9 (California wonder)	81	No. of branches/ plant	40.2	18.7	90500	1,80,400	89900	1.99	75200	99,600	24,400	1.32
								No. of fruits / plant	26.0	11.5								
								Weight of fruits (gm)	148.5	84.4								
Broccoli, Rabi, 2014-2015	New Crop Introduction	Fiesta	15	0.85	12.50	-	-	Av. Height (cm)	63.5	-	1,60,000	3,12,500	1,52,000	1.95	-	-	-	-
								No. of leaves / plant	16.0	-								
								Curd Size (cm)	22.45	-								
								Weight of Fruits (gm)	720.0	-								
Green Fodder, Oat , Rabi, 2014-15	New Introduction	Kent	5	0.1	319.8	73.7 (Local grass in grazing land)	339.1	CP (%)	9.12	2.56	11250	16955	5705	1.50	-	-	-	-
Green Fodder, Berseem, Rabi, 14-15	New Introduction	BL-10	5	0.1	189.8	-	-	CP (%)	26.2	-	11400	22776	11376	1.99	-	-	-	-
Wheat,	Varietal	HD – 2824	37	6.0	40.6	33.3	21.92	No. of	12.1	8.8	21010	48720	27710	2.32	19800	39960	20160	2.02

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter (B:C Ratio)	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Others (pl. specify) Prawn (Rabi, 2013-14)	Giant prawn in Composite Fish Culture	Productivity- <i>Macrobrachium rosenberghi</i> (Galda) with composite fish	9	9 (100 prawn per 0.13 ha)	492.75 (prawn) +3015 (carp)	5275 (carp)	20	-	-	298000	598700	209700	2.01	247500	370230	122730	1.49
Total			9	9													

b. 2015 - 2016 Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	
01.	Wheat (Rabi 2015-16)	Varietal replacement	Improved variety HD 2824	-	1.0		05	05	-
			Improved variety PBW 343	10	10		37	37	

Oilseeds:

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	Varietal replacement	Improved variety: Pusa Bahar	141	51	11.92	9.05 (B-9)	31.7	17277	59600	42323	3.45	16516	45250	28734	2.74
Linseed	Varietal replacement	Improved variety: Deepika/ Sekhar	66	22	6.95	4.24 (local)	63.9	13100	48650	35550	3.71	12120	29680	17560	2.44

Live stocks

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in parameter	Other parameters		Gross cost	Gross return	Net return	BCR
					Demonstration	Check		Demonstration	Check				
					Economics of demonstration								
Cow	Feed Management	Supplementation of Area Specific Mineral Mixture for Lactating Deshi Cow	10	20	B. Milk Yield (kg / wk / Cow)	B. Milk Yield (kg / wk / Cow)	A.29.36 B.4.78	A. SNF-9.332±0.08 B. Lactose-4.460±0.01	A. SNF-9.040±0.002 B. Lactose-4.443	6310/	14737/	8427/	1.33
					±1.11	±1.42							
					B.Fat % 4.551 ±0.04	B.Fat% 4.343 ±0.01			0.001	5950	10632/	4682/	0.78
Goat	Feed Management	Low cost concentration supplementation for flushing of does	20	10	Programme is going								
Total			30	30									

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)				
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Pabda	Crop diversification	Cultivation of pabda with composite fish culture	9	9														
		Total	9	9														

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit						
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR			
Self Help Groups	Group formation for accumulating Social Capital and increasing Family Incomes	60	03																
		Total	60	03															

Programming is going on

Performance of FLDs in Farm Implements and Machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour) q/man hour		% change in major parameter	Labor reduction (man days/ha)		Cost reduction (Rs./ha or Rs./Unit)	
					Demons ration	Check		Demons Ration	Check	Demons ration	Check
Drum Seeder	Kharif Paddy Var. IET 4786	Direct Seeding of Rice in Lines	4	3.32	6.22	4.21	48	58	-	11,600.00	-
Cono Weeder	Summer paddy Var. MTU 1010	Mechanical weeding in SRI	8	5.24	6.92	4.22	64	21	-	4200.00	-
			12	8.56							

Demonstration Details on Crop Hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Capsicum	Bharat	15	0.85	44.8	24.5	82.9	91550	179200	87650	1.96
Broccoli (new introduction)	F1 hybrid	15	0.85	13.4	-	100	165500	335000	169500	2.02
Napier (Fodder)	Hybrid Napier Var. Co - 4	20	0.4	Programme is going on						
Total		50	2.1							

V. Consultancy/ Advisory Provided to the Farmers

a. 2014 – 2015

Consultancy provided to the Farmers (attending the requests seeking guidance on agricultural Technology and technology products)

Sl. No.	Services/ Transaction	Process	Service Standard	No. of such services attended by KVKs during the year	No. of such services pending with KVK beyond 30 days
1.	Consultancy and Guidance on Agricultural technology and technology products	Personal contact by the Service Sectors with the responsible person of KVK	30 Days*	391	Nil

* The request of the service sector needs to be attended / disposed before 30 working days.

Advisory Services provided to the Farmers through SMS PORTAL [List of One thousand one hundred farmers was submitted and Registration of of the Rathindra KVK with www.farmers.gov.in was authorized from the designated Authorities.]

Date of start of functioning of SMS portal: 07.04.2014

No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
291	139807	1100	116	50	03	28	81	13

b. 2015 - 2016

Consultancy provided to the Farmers (attending the requests seeking guidance on agricultural Technology and technology products)

Sl. No.	Services/ Transaction	Process	Service Standard	No. of such services attended by KVKs during the year	No. of such services pending with KVK beyond 30 days
1.	Consultancy and Guidance on Agricultural technology and	Personal contact by the Service Sectors with the responsible person of KVK	30 Days*	393	Nil

technology products				
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* The request of the service sector needs to be attended / disposed before 30 working days.

Advisory Services provided to the Farmers through SMS PORTAL								
No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
32	36,732	36,732	02	23	-	02	05	-

4. Farm Equipments and Machineries Introduced

a. 2014 – 2015

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour) q/man hour		% change in major parameter	Labor reduction (man days/ha)		Cost reduction (Rs./ha or Rs./Unit)	
					Demonstration	Check		Demonstration	Check	Demonstration	Check
Drum Seeder	Kharif Paddy Var. MTU – 1010	Direct Seeding of Paddy in Lines	7	4.53	6.15	4.13	48.91	60	-	12,000.00	-

b. 2015 – 2016

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour) q/man hour		% change in major parameter	Labor reduction (man days/ha)		Cost reduction (Rs./ha or Rs./Unit)	
					Demonstration	Check		Demonstration	Check	Demonstration	Check
Drum Seeder	Kharif Paddy Var. IET 4786	Direct Seeding of Rice in Lines	4	3.32	6.22	4.21	48	58	-	11,600.00	-

Cono Weeder	Summer paddy Var. MTU 1010	Mechanical weeding in SRI	8	5.24	6.92	4.22	64	21	-	4200.00	-
Total			12	8.56							

5. Academic Activities/Education and Training (HRD) Undergone and Conducted

a. 2014 – 2015

Details of HRD Programmes undergone by KVK Personnel:

Sl. No.	Name of Programme	Name of KVK Personnel and Designation	Date and Duration	Organized by
1.	“State Level Workshop of Krishi Vigyan Kendras of West Bengal and Andaman and Nicobar Islands to Review the Achievements”	Dr. Dulal Chandra Manna, Programme Coordinator	04.04.2015 to 05.04.2015. (02 Days)	Zonal Project Directorate, ICAR, Zone II, Salt Lake, Kolkata
2.	“Annual Zonal Workshop on Krishi Vigyan Kendras of Zone II, ICAR”		02.06.2014 – 03.06.2014. (02 Days)	Zonal Project Directorate, ICAR, Zone II, Salt Lake, Kolkata
3.	World Coconut Day Celebration		02.09.2014. (01 Day)	Coconut Development Board, Ministry of Agriculture, Govt. of India
4.	Workshop on “Value Education of Professionals”	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	05.09.2014 (01 Day)	Ministry of Culture, Govt of India at the B. C. College, Rahara, 24 Parganas (North), Ramakrishna-Vivekananda University.
5.	Training Programme on “Organic Farming and Certification”		17.11.2014 to 19.09.2014 (03 Days)	State Agricultural Management and Extension Training Institute (SAMETI) and Agricultural Training Centre (ATC), Ramakrishna Mission Ashrama, Narendrapur, Kolkata – 700103.
6.	Programme on “Sustaining Soil Health through Balanced Fertilization – Need for Reforms in Fertilizer Sector”		09.01.2015 (01 Day)	Fertilizer Association of India, 3 Lake Road, Kolkata – 700029.

7.	National Conference on Indigenous Innovation and Foreign Technology Transfer in Fertilizer Industry: Needs, Constraints and Desired Simplification		17.01.2015 (01 Day)	Society for Fertilizers and Environment and Raman Centre for Applied and Interdisciplinary Sciences in collaboration with ICAR-Central Research Institute for Jute and Allied Fibres (CRIJAF) and FICCI (-India Innovation Growth Programme) at the ICAR-CRIJAF, Nilgunj, Barrackpore, Kolkata, West Bengal – 700120
8.	“State Level Workshop of Krishi Vigyan Kendras of West Bengal and Andaman and Nicobar Islands to Review the Achievements”	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	04.04.2015 to 05.04.2015. (02 Days)	Zonal Project Directorate, Zone – II, ICAR, Kolkata
9.	“Annual Zonal Workshop on Krishi Vigyan Kendras of Zone II, ICAR”		02.06.2014 – 03.06.2014. (02 Days)	Zonal Project Directorate, ICAR, Zone II, Salt Lake, Kolkata
10.	“Training Programme on Planning, Implementation, Monitoring and Evaluation of Micro-enterprises”		21.07.2014 to 25.07.2014. (05 Days)	National Institute of Rural Development (NIRD), Ministry of Rural Development, Govt. of India, Rajendranagar, Hyderabad, Andhra Pradesh – 500 030, India, at the State Institute of Panchayat and Rural Development (SIPRD), Benoy Bhawan, Kalyani, Nadia, West Bengal
11.	Master Trainers’ Training on “ICT based Extension through Farmers”		25.08.2014 to 27.08.2014 (03 Days)	State Agricultural Management and Extension Training Institute (SAMETI), Narendrapur, Kolkata – 700103 at the State Agricultural Management and Extension Training Institute (SAMETI) and Agricultural

				Training Centre (ATC), Ramakrishna Mission Aashrama, Narendrapur, Kolkata – 700103.
12.	“Sensitization Workshop on Protection of Plant Varieties and Farmers’ Rights”		15.10.2014. (01 Day)	Zonal Project Directorate, Zone – II, ICAR, Kolkata
13.	National Conference on Indigenous Innovation and Foreign Technology Transfer in Fertilizer Industry: Needs, Constraints and Desired Simplification		17.01.2015 (01 Day)	Society for Fertilizers and Environment and Raman Centre for Applied and Interdisciplinary Sciences in collaboration with ICAR-Central Research Institute for Jute and Allied Fibres (CRIJAF) and FICCI (-India Innovation Growth Programme) at the ICAR-CRIJAF, Nilgunj, Barrackpore, Kolkata, West Bengal – 700120
14.	10th. All India People’s Technology Congress		06.02.2015 to 07.02.2015 (02 Days)	Forum of Scientists, Engineers and Technologists (FOSET) [15 N Nelli Sengupta Sarani, New CMC Building (5th floor), Kolkata - 700 087.
15.	Master Trainers’ Training on “ICT based Extension through Farmers”	Sri Suraj Bhakta, Programme Assistant (Computer Programmer)	25.08.2014 to 27.08.2014 (03 Days)	State Agricultural Management and Extension Training Institute (SAMETI), Narendrapur, Kolkata – 700103 at the State Agricultural Management and Extension Training Institute (SAMETI) and Agricultural Training Centre

				(ATC), Ramakrishna Mission Aashrama, Narendrapur, Kolkata – 700103.
16.	Training Programme on the Advances in Land Resource Inventory for Enhancing Productivity through Agro-Technology Transfer		07.01.2015 to 27.01.2015 (21 Days)	ICAR – National Bureau of Soil Survey & Land Use Planning Regional Centre Block-DK, Sector- II Salt Lake, Kolkata – 700 091 West Bengal
17.	Training Programme of Assistants of KVKs	Sri Madhusudan Chatterjee, Senior Assistant	10.03.2015 to 11.03.2015 (02 Days)	Zonal Project Directorate, Zone – II, ICAR, Salt Lake City, Kolkata
18.	Training Programme on “Organic Farming and Certification”	Sri Palash Ankure, Programme Assistant (Farm Manager)	17.11.2014 to 19.09.2014 (03 Days)	State Agricultural Management and Extension Training Institute (SAMETI) and Agricultural Training Centre (ATC), Ramakrishna Mission Aashrama, Narendrapur, Kolkata – 700103.
19.	Orientation Training Programme on “Commercial Farming with Integrated Approach”		12.03.2015 to 13.03.2015 (02 Days)	Directorate of Extension Education, Bidhan Chandra Krishi Viswavidyalaya

Details of Academic / Educational Activities conducted by Rathindra KVK

RAWE Programme – Rathindra KVK is involved in the RAWE Programme for the Students of 8th. Semester of B. Sc. (Agriculture) Honours Course of the Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum.

No. of Students	No. of Days Stayed
46	3 days*
*As they are the student of Palli Siksha Bhavana (PSB), Visva-Bharati, so the students' hostels of Palli Siksha Bhavana are used.	

b. 2015 – 2016

Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	“Orientation Course on IPM in Important Crops	IPM in Important Crops with Special Reference to West	Sri Sourav Mondal, Subject Matter Specialist	16.06.2015 to 18.06.2015.	ICAR- National Research Centre for Integrated Pest Management (NCIPM),

	with Special Reference to West Bengal, Bihar, Jharkhand, Andaman and Nicobar Islands”	Bengal, Bihar, Jharkhand, Andaman and Nicobar Islands	(Plant Protection)	(03 Days)	New Delhi; Zonal Project Directorate, Zone – II, Kolkata and Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal
2.	Review and Final Master Trainer Training on Revisiting of Strategic Research and Extension Plan (SREP)	Revisiting of Strategic Research and Extension Plan (SREP)	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	06.07.2015 to 10.07.2015. (05 Days)	National Institute of Agricultural Extension Management, Ministry of Agriculture, Govt. of India, Hyderabad and the State Agricultural Management and Extension Training Institute, Govt. of West Bengal, Narendrapur, Kolkata – 700103.
3.	Review and Final Master Trainer Training on Revisiting of Strategic Research and Extension Plan (SREP)	Revisiting of Strategic Research and Extension Plan (SREP)	Dr. Madhuchhanda Khan, Subject Matter Specialist (Animal Science)	06.07.2015 to 10.07.2015. (05 Days)	National Institute of Agricultural Extension Management, Ministry of Agriculture, Govt. of India, Hyderabad and the State Agricultural Management and Extension Training Institute, Govt. of West Bengal, Narendrapur, Kolkata – 700103.
4.	Review and Final Master Trainer Training on Revisiting of Strategic Research and Extension Plan (SREP)	Revisiting of Strategic Research and Extension Plan (SREP)	Sri Palash Ankure, Farm Manager	06.07.2015 to 10.07.2015. (05 Days)	National Institute of Agricultural Extension Management, Ministry of Agriculture, Govt. of India, Hyderabad and the State Agricultural Management and Extension Training Institute, Govt. of West Bengal, Narendrapur, Kolkata – 700103.
5.	National Conference of Krishi Vigyan Kendras - 2015	Functionings and Strategies for Activities of Krishi Vigyan Kendras	Dr. Dulal Chandra Manna, Programme Coordinator	25.07.2015 to 26.07.2015 (02 Days)	ICAR-RRC, Patna, Bihar
6.	National Conference of Krishi Vigyan Kendras - 2015	Functionings and Strategies for Activities of Krishi Vigyan Kendras	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	25.07.2015 to 26.07.2015 (02 Days)	ICAR-RRC, Patna, Bihar
7.	National Conference of Krishi Vigyan Kendras - 2015	Functionings and Strategies for Activities of Krishi Vigyan Kendras	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	25.07.2015 to 26.07.2015 (02 Days)	ICAR-RRC, Patna, Bihar
8.	National Conference of Krishi Vigyan Kendras - 2015	Functionings and Strategies for Activities of Krishi Vigyan Kendras	Dr. Madhuchhanda Khan, Subject Matter Specialist (Animal Science)	25.07.2015 to 26.07.2015 (02 Days)	ICAR-RRC, Patna, Bihar
9.	NRDMS (DST) Sponsored Training Programme on “Geospatial Technologies in	“Geospatial Technologies in Mapping, Monitoring and Management of Natural Resources”	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	05.08.2015 to 25.08.2015 (21 Days)	ICAR-National Bureau of Soil Survey and land Use Planning (NBSS&LUP), Nagpur, Maharashtra

	Mapping, Monitoring and Management of Natural Resources”				
10.	Indian Council of Agricultural Research (ICAR) Sponsored Summer School on Multi-pronged Extension Management Strategies for Dryland Agricultural Development with special reference to promoting Climate Resilient Agriculture	Multi-pronged Extension Management Strategies for Dryland Agricultural Development with special reference to promoting Climate Resilient Agriculture	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	05.08.2015 to 25.08.2015. (21 Days)	Department of Agricultural Extension and Rural Sociology, Centre for Agricultural and Rural Development Studies, Tamil Nadu Agricultural University, Coimbatore – 641003, Tamil Nadu
11.	Training Programme on Cluster Front Line Demonstrations (Cluster FLDs)	Cluster FLDs on Rabi Pulse and Oilseeds	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	23.09.2015 to 25.09.2015 (03 Days)	ICAR-ATARI, Kolkata
12.	Workshop-cum-Meeting on Soil Health Card	Preparation of Soil Health Card	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	28.09.2015. (01 Day)	ICAR-ATARI, Kolkata
13.	Winter School on Current Concepts and Frontier Technologies for Fertility Management in Farm Animal	Current Concepts and Frontier Technologies for Fertility Management in Farm Animal	Dr. Madhuchhanda Khan, Subject Matter Specialist (Animal Science)	05.10.2015 to 25.10.2015 (21 Days)	ICAR-National Dairy Research Institute (NDRI), Karnool, Haryana
14.	Workshop on Cluster Front Line Demonstrations and Protection of Plant Varieties and Farmers’ Rights Act - 2001	Cluster FLD and PPV&FRA - 2001	Dr. Subrata Mandal, Subject Matter Specialist (Agronomy)	08.12. 2015 to 10.12.2015 (03 Days)	Director of Extension Education, Bidhan Chandra Krishi Viswavidyalayas, Farmers’ Convention Centre and Farmers’ Academy, Lake Hall, Kalyani, Nadia.
15.	Workshop on Strategies for Promoting Farmers Producer Organizations (FPOs)	Strategies for Promoting Farmers Producer Organizations (FPOs)	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	09.12.2015 to 11.12.2015. (03 Days)	ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad – 500030, Telengana, India.
16.	Orientation Training Programme on “Advance Agriculture and Allied Technologies in Farm Sector”	Advance Agriculture and Allied Technologies in Farm Sector	Dr. Prabuddha Ray, Subject Matter Specialist (Agricultural Extension)	21.03.2016 to 22.03.2016. (02 Days)	Directorate of Extension Education, Bidhan Chandra Krishi Viswavidyalaya, P. O. – Krishi Viswavidyalaya - 741252, Mohanpur, Dist. – Nadia, West Bengal.

Details of Academic / Educational Activities conducted by Rathindra KVK

RAWE Programme – Rathindra KVK is involved in the RAWE Programme for the Students of 8th Semester of B. Sc. (Agriculture) Honours Course of the Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum.

No. of students / ARS trained	No. of days stayed
45 nos. of students	As KVK is within University Campus, the students stay in their respective hostels or residences.
06 nos. of ARS scientists	21 Days

HRD programmes organized by the KVK

Training programme/ Seminar/ Symposia/ Workshop etc. attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Field Experience Training (FET) Programme	08.02.2016 to 29.02.2016.	A. Dr. Sangita Ganguly; B. Dr. Suman Manna; C. Kumari Sonalika Sahoo; D. Sri Aradwad Pramod; E. Sri Ambarish P. Gop and F. Dr. Anupam Barh	Scientist on Probation	ICAR-NAARM and the Rathindra KVK
Institute Seminar	23.02.2016	A. Dr. Sangita Ganguly; B. Dr. Suman Manna; C. Kumari Sonalika Sahoo; D. Sri Aradwad Pramod; E. Sri Ambarish P. Gop and F. Dr. Anupam Barh	Scientist on Probation	ICAR-NAARM and the Rathindra KVK

6. Constraints experienced and Remedial Measures

a. 2014 – 2015

1. Lack of fencing around the Seed production farm
2. Lack of adequate seats in the Trainees Hostel.
3. Lack of class Rooms for simultaneous Trainings in parallel at the same time.
4. Release of funds not in proper times.
5. Lack of any provision for giving Travelling Allowances for Trainees in the category of Practicing Farm Women and Female Rural Youths.

b. 2015 - 2016

1. Lack of fencing around the Seed production farm
2. Lack of adequate seats in the Trainees Hostel.
3. Lack of class Rooms for simultaneous Trainings in parallel at the same time.
4. Lack of Kits and reagents required for Soil and Water Testing Laboratory.
5. Lack of Farm Roads.
6. Absence of non-recurring funds for purchase of Furnitures, Computers, Office Accessories etc. direly needed.
5. Lack of any provision for giving Travelling Allowances for Trainees in the category of Practicing Farm Women and Female Rural Youths.

7. New Technologies ready for Transfer

a. 2014 – 2015

1. Conservation and Revitalization of Traditional Paddy Varieties (*Dhaner Deshiya Jater Sangrakshan abong Punarajibbom*)
2. Easy Technology for Azolla Cultivation (*Azolla Chasher Sahaj Prajukti*)
3. Fish Feed Preparation and Application (*Macher Paripurak Khabar Prastuti abong Prayog*)
4. Important Infectious Diseases of Domestic Animals and Its Prophylactic Vaccination (*Grihapalit Pashu Pakhir Guratwapurna Sankkramak Rog abong Tar Pratishedhak Tikakaran*)
5. Integrated Pest Management Practices of Oilseed Crops (*Sushanghata Upaye Taila Bijer Rog Poka Nyantran*)
6. Integrated pest Management Practices of Potato Crops (*Sushanghata Upaye Aloor Rog Poka Nyantran*)
7. Mushroom Cultivation Technology (*Sahaj Paddhatitey Mushroom Chash*)
8. Child Nutrition and Health (Up-to 1 Year) [*Shishur Pushti abong Sasthya (Janma Thekey 1 Batsar Parjanta)*]
9. Processing of Vegetables and Fruits (*Sabji abong Phaler Prakriyakaran*)
10. Farmers' Interest Group – A New Path of Agricultural Development [*Krishi Unnayaner Natun Path – Sadharan Sarthabahi Krishak Gosthi – Farmers' Interest Group (FIG) Gathan*]
11. Preparation for Fighting Natural Disasters for Saving Lives and Properties (*Prakitik Biparjoy Mokabilay Prastut Hon – Jibon abong Sampatti Raksha Karun*)

12. Enlist Names in Farmers Portal for Inclusion in the New Horizon of Agricultural Development (*Krishak Potaley Naam Nathibhukta Karan – Krishi Unnayaner Natun Digantey Samil Hon*)
13. Protection of Plant Varieties and Farmers' Rights Act – 2001 (*Phasaler Jat oo Krishaker Adhikar Sankrakshan Aain – 2001 abong Krishaker Adhikar*)

b. 2015 – 2016

1. Improved Cultivation of Ber (*Kuler Chash*)
2. Improved Package of Practices of Mango (*Aam Chash*)
3. Improved Cultivation Practices of Arum (*Kachu Chash*)
4. Improved Package of Practices of Drum Sticks (Year round) (*Barmeshey Sajney Chash*)
5. Improved Cultivation Practices of Capsicum, Broccoli, Brussels' Sprout (*Capsicum, Broccoli, Brussels' Sprout – Er Chash*)
6. Improved Package of Practices of Coconut (*Narkel Chash*)
7. Processing and Value Addition of Sweet Potato (*Misthi Aloor Prakriyajatakarana*)
8. Production of "Mora" through Cottage Industries (*Basat Baritey Mora Tairi*)
9. Improved Cultivation Practices of Pulses: More Profit and Conservation of Soil Health (*Unnat Prathay Dal Chash: Adhik Labh Abong Matir Sasthya Raksha*)
10. Intercultural Operations of Mustard (*Sarsher Antartartikalin Paricharya*)
11. Technology for Improving Productivity of Acid Soils (*Amla Matir Utpadanshilata Baranor Prajukti*)
12. Preliminary Phase of Wheat Cultivation (*Gom Chasher Prathamik Parjay*)
13. Phospho-compost for Conservation of Soil Health: A Phosphorus rich Organic Fertilizer (*Matir Swasthyarakshay Phospo-compost: Eaikti Phosphorus Samriddha Jaiba*)
14. Mono Culture of Thailand Koi Fish (*Thailand Koi Macher Ekak Chash Prajukti*)
15. Good Agricultural Practices (GAP): A Concept Note (*Uttam Krishi Paddhati: Eaikti Dharanapatra*)
16. Artificial Insemination (AI) of Cows and Some Relevant Information (*Gavir Krittim Projanan Abong Sei Sankranta Kichu Tathya*)

8. Collaboration and Liaison Requirements

a. 2014 – 2015

Functional Linkage with Different Organizations

Name of Organization	Nature of Linkage
Palli Sanghatana Vibagh, Visva-Bharati, Sriniketan, Birbhum	This linkage is mainly focusing on organizing joint Training programmes for the villagers as well as giving exposure to the clientele of the Rathindra KVK as about the field level situation
All India Radio, Santiniketan Kendra, Birbhum, West Bengal	Broadcasting of different Rathindra KVK activities as well as live Phone –In Programmes are being organized. As a result a vast number of farmers, farm women and rural youth are being exposed to multiple information sources regarding multiple issues. This is necessary to mention that already AIR, New Delhi has awarded three adopted farmers and regular listeners of AIR Programmes of the Rathindra KVK for their excellent contribution to farming activities.
Doordarshan, Santiniketan Kendra, Birbhum, West Bengal	Telecasting of different Rathindra KVK activities as well as live phone –In Programmes are being organized. As a result a vast number of farmers, farm women and rural youth are being exposed to multiple information regarding multiple issues. This is necessary to mention that the viewers of these Programmes have been immensely benefited by viewing Method Demonstration on various new Technologies.
Bidhan Chandra Krishi Viswavidyalaya, West Bengal	<p>This linkage is mainly on the following aspects:-</p> <ul style="list-style-type: none"> - Conducting regular basis Human Resource Development Training Programme in different discipline. - Facilitate for Annual Action Plan Development. - Facilitate On Farm Testing .Modules. - Provide different location specific germ-plasm. <p>All the linkage activities profoundly help the Rathindra KVK clientele in updating their knowledge, skill and attitude.</p>
IARI, Regional Station, Samastipur, Bihar	The linkage is mainly based on Collaborative Demonstration Programme on newer Wheat and Paddy varieties. As a result of this linkage, the farmers of Birbhum District are being exposed to nearly Thirty (30) newer varieties of Wheat and Four (04) varieties of scented as well as non-scented paddy varieties. Some varieties have shown very good potential for future

	<p>introduction in the District.</p> <p>- Provide Weather related for Crop based Action Plan Development.</p>
<p>Protection of Plant Varieties and Farmers' Rights Authority, Ministry of Agriculture, Department of Agriculture and Co-operation, Govt. of India, New Delhi</p>	<p>This Linkage is basically for organizing Training Programme on “Creation of Awareness among the Farmers and Other Stakeholders about the Provisions of PPV & FR Act – 2001” to make the stakeholders aware about the Provisions of the PPV & FR Act – 2001 and for encouraging the farmers to register their traditional, extinct crop varieties with the Authority.</p>
<p>IIT, Kharagpur, West Bengal</p>	<p>This Linkage mainly focuses on bringing and testing cutting edge Hi-Tech Technologies and for organizing Collaborative Training Programme on Green House Technologies and Micro-Irrigation System based Precision Farming.</p>
<p>CIFRI, Barackpur, 24 Parganas (North), West Bengal</p>	<ul style="list-style-type: none"> This linkage is basically focussed on getting Technical Support on Glass Jar Hatchery and low cost Fish Feed Preparation. Utilizing this linkage a farmer named Sri Sunil Das, Village – Srichandrapur, P. O. – Sattore, Dist. – Birbhum, West Bengal (Mobile Phone No. – 09679885667) prepared a model of Glass Jar Hatchery using low cost materials. This innovative approach was sent to ICAR. The Model of Low Cost Glass Jar Hatchery innovated by Sri Sunil Das was detailed in the Compilation titled, “Farm Innovators”, published by the ICAR in October, 2010 (Page No. – 148).
<p>ICAR-NDRI, ERS, Kalyani, West Bengal</p>	<p>This Linkage is basically for organizing the Collaborative Animal Health Camps, Cattle Infertility Treatment Camps, Hybrid Napier Distribution Camps and for organizing Front Line Demonstrations on improved varieties of Fodder Crops like Berseem, Oat etc.</p>
<p>Line Departments like Agriculture, Horticulture and Food Processing Industries, Animal Resource Development, Fisheries etc. Of the Govt. Of West Bengal, Birbhum, West bengal</p>	<p>This linkage is basically on Technological back-stopping.</p>
<p>National Research Centre on Weed Control, Jabbalpur, Madhya Pradesh</p>	<p>The linkage is now focusing on Technical Support for organizing Training and Awareness Camps for controlling weeds specifically weeds like Parthenium. The farmers of this District get immense benefit as they get exposure on Parthenium and other weeds through participating in “Parthenium Control Week Programme”.</p>
<p>ATMA, Birbhum, West Bengal</p>	<p>The linkage is now focusing on Orientation Farmers’ training and Programme Training for Head Master / Achiever Farmer. Various Short Term Researches on Topics related with Fishery, Agronomy etc. Are also</p>

	being performed utilizing these linkages Programme.
NABARD, Birbhum, West Bengal	<p>The linkage mainly focuses on formation of Farmers Club, organizing Training for vulnerable areas, Organizing Technology Weeks etc. Some Farmers' Clubs are doing excellent work and they are benefitted from this Linkage.</p> <p>Besides above mentioned Linkages, NABARD, Birbhum sponsored the Technology Week – 2015, organized by the Rathindra KVK in its Campus from 23.02.2015 to 27.02.2015 for exposing the Practicing Farmers, Farm Women, Rural Youths and Extension Functionaries on cutting edge Agricultural and related field technologies.</p>
State Agricultural Management, Extension and Training Institute (SAMETI), Narendrapur, 24 Parganas (South), West Bengal.	<p>This linkage is mainly on the following aspects</p> <ul style="list-style-type: none"> - Conducting regular basis Human Resource Development Training Programme in different discipline for Scientists of the Rathindra KVK. - All the linkage activities profoundly help the Rathindra KVK clientele in updating their knowledge, skill and attitude.
IFFCO, Kolkata, West Bengal	<p>The linkage basically focuses on Training and Visit of the farmers' fields. The farmers get benefit through getting information on nutritional status of the soil as well as the proper fertilizer and manuring procedures.</p>
Fertilizer Association of India (FAI), Kolkata, West Bengal	<p>The linkage basically focuses on performing various Short Term Research on various crop nutrition and related issues, Training and Visit of the farmers' fields. The farmers get benefit through getting information on nutritional status of the soil as well as the proper fertilizer and manuring procedures..</p>
Coconut Development Board, State Centre, Salt Lake City, Kolkata, West Bengal	<ul style="list-style-type: none"> • This linkage is basically giving Residential Training to selected Rural Youths on “Friends of Coconut Trees (FOCT)” and d popularizing Innovative Machine for rising up in the Coconut Trees. The second of this Type Training has been organized in collaboration with nRathindra KVK at the Rathindra KVK this Year. 20 unemployed Rural Youths were trainees in the Six Days Residential Training Programme on “Friends of Coconut Trees (FOCT)” jointly organized by the Coconut Development Board, State Centre, West Bengal, Salt Lake City, Kolkata and Rathindra Krishi Vigyan Kendra at the Rathindra Krishi Vigyan Kendra Campus from 21.08.2014 to 26.08.2014 and now they are performing as Master Trainers throughout the State.
TATA Rallis India Ltd., Kolkata, West Bengal	<p>This linkage is basically focuses on Capacity Build Up Training for clientele of Rathindra KVK on Wheat, Potato, Mustard and Rabi Vegetables Crop Management.</p>
Tagore Society For Rural Development, Santiniketan, Birbhum West Bengal	<p>This linkage gives importance as well as focuses on Training and Demonstration for stakeholders for far flung areas of Birbhum District where normal working linkage of KVK with villagers of those areas are very weak.</p>

Luthern World Services, Kolkata, West Bengal	This linkage gives importance as well as focuses on Training and Demonstration for stakeholders for far flung areas of Birbhum District, especially areas bordering Jharkhand State where normal working linkage of KVK with villagers of those areas are very weak.
Asansol Burdwan Seva Kendra, Burdwan, West Bengal	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District as well as far flung areas of Birbhum District, especially areas where normal working linkage of KVK with villagers of those areas are very weak.
Manab Jamin, Birbhum, West Bengal.	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District.
Development Research Communication and Service Centre, Kolkata, west Bengal.	This linkage mainly emphasizes on giving quality Training to the Rural Youth getting admitted in the Community College run by this NGO at Bolpur through delivering Lectures and giving exposures to hands-on field level situation by the experts from the Rathindra KVK who work as Resource Persons on various subjects like fishery, soil testing, horticulture etc.
IMSE, 195 Jodhpur Park, Kolkata - 700008	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District as well as far flung areas of Birbhum District, especially areas where normal working linkage of KVK with villagers of those areas are very weak.
Bolpur Krishija Samabay Samity, Bolpur, Birbhum, West Bengal	This linkage is basically focuses on supply of quality agricultural inputs for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality agricultural inputs.
Comprehensive Area Development Corporation (CADC) KVK, Sonamukhi, Bankura, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of Pulses and Oilseeds for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
Comprehensive Area Development Corporation (CADC), Ranaghat – II, Arangghata, Nadia, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of Pulses for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
National Seed Corporation, Kolkata, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of various Crops for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
West Bengal State Seed Corporation, Kolkata, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of various Crops for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
Panchayati Raj Institutions (PRIs), Birbhum,	This linkage helps the Rathindra KVK to get base-line information for

West Bengal	choosing Target Areas both on Geographical Terms as well as on Technological Terms by going through various surveys and reports generated by the PR Institutions of the Birbhum District.
Other Krishi Vigyan Kendras (KVKs)	This linkage helps the farmers of various Districts to have an exposure and visit to Rathindra KVK and exchange ideas and experiences with farmers of the District of Birbhum and Scientists of the Rathindra KVK.

List of special programmes undertaken during 2014-15 by the KVK, which have been financed by ATMA/ Central Govt./ State Govt./NABARD/NHM/NFDB/Other Agencies

A) Programmes for Infrastructure Development

Name of the Programme/Scheme	Purpose of Programme	Date/ Month of Initiation	Funding Agency	Amount (Rs.)
Short Term Research	To find out the performance of different sources of vermin-composting	08.02.2014.	ATMA, Birbhum	1,24,000.00
Total				1,24,000.00

N. B. The Vermin-Composting Unit is under construction.

(B) Programme for other activities (Training, FLD, OFT, Mela, and Exhibition etc.)

Name of the Programme/Scheme	Purpose of Programme	Date/ Month of Initiation	Funding Agency	Amount (Rs.)
Three Plot Demonstration on "Soil Test based Balanced Fertilizer Application including Secondary and Micro-Nutrients in Boro Paddy"	To educate farmers through first and second hand method as well as result demonstration on the effectiveness of balanced fertilizer application including Secondary and Micro-Nutrient Application	January, 2014	Fertilizer Association of India, Kolkata	The total cost of the Programme was borne by the funding agency.
Residential Training of Rural Youths on "Friends of the Coconut Trees (FOCT)"	To develop knowledge, information and skill of the trainees on different aspects of Coconut Cultivation and maintenance of the coconut trees as well.	21.08.2014 to 26.08.2014.	Coconut Development Board, West Bengal State Centre, Salt Lake City, Kolkata	Rs. 33,000.00
District Level Seminar on "Making Small Scale Farming Viable"	To orient the Participants on ways to make the small scale farming ecologically sustainable and economically viable	26.09.2014	IMSE, 195 Jodhpur Park, Kolkata - 700008	The total cost of the programme was borne by the funding agency.

Collaborative Training Programme on “Micro-Irrigation and Green House Technology”	To inform and develop knowledge of the Trainees on modern practices for Micro-Irrigation Systems and Green House Technologies for different Crops	16.12.2014	Precision Farming Development Centre, Agricultural and Food Engineering Department, IIT, Kharagpur; NCPAH, Ministry of Agriculture, Govt. of India and SHM, Govt. of west Bengal	The total cost was borne by the funding agency.
Training Programme on “Creation of Awareness among the Farmers and Other Stakeholders about the Provisions of PPV & FR Act – 2001”	To make the stakeholders aware about the Provisions of the PPV & FR Act – 2001	22.01.2015	Protection of Plant Varieties and Farmers' Rights Authority, Ministry of Agriculture, Department of Agriculture and Co-operation, Govt. of India	Rs. 80,000.00
Animal Health Camp	To treat diseases, provide Mineral Mixtures, De-worming, provide Vitamins and requisite Medicines for Cattles	09.02.2015	ICAR-NDRI, ERS, Kalyani	The Medicines, Vitamins and Vaccines were provided by the ICAR-NDRI, ERS, Kalyani
Infertility Treatment Camp	To treat infertile Cows	09.02.2015	ICAR-NDRI, ERS, Kalyani	The requisite Medicines were provided by the ICAR-NDRI, ERS, Kalyani
Hybrid Napier (Fodder) Cutting Distribution Camp	To encourage the Farmers to cultivate High Yielding Improved Quality Fodder Crops	09.02.2015	ICAR-NDRI, ERS, Kalyani	The cuttings of Hybrid Napier were provided by the ICAR-NDRI, ERS, Kalyani

Technology Week - 2015	To expose the Practicing Farmers, Farm Women and Rural Youths to the cutting edge Agricultural and related Sectors Technology for modernization of agriculture and related sectors and enhancement of productivity for more income generation from a limited resource base	23.02.2015 to 27.02.2015	NABARD, Birbhum, West Bengal	Rs. 93,500.00
Exposure Visit of Practicing Farmers and Farm Women mainly from Scheduled Tribe Communities of Md. Bazar CD Block, Birbhum, West Bengal in the Technology Week – 2015 organized by the Rathindra KVK, Birbhum	To give the farmers an exposure about the activities of The Rathindra KVK and various Agriculture and related topics relevant for the farmers and farm women and various cutting edge technologies developed by the ICAR and demonstrated by the Rathindra KVK	24.02.2015	NABARD, Birbhum, West Bengal	The total cost of the programme was borne by the funding agency.
Exposure Visit of Practicing Farmers and Farm Women mainly from Scheduled Tribe Communities of Mayureswar – I and Mayureswar - II CD Blocks, Birbhum, West Bengal in the Technology Week – 2015 organized by the Rathindra KVK, Birbhum	To give the farmers an exposure about the activities of The Rathindra KVK and various Agriculture and related topics relevant for the farmers and farm women and various cutting edge technologies developed by the ICAR and demonstrated by the Rathindra KVK	26.02.2015	NABARD, Birbhum, West Bengal	The total cost of the programme was borne by the funding agency.

b. 2015 - 2016

Functional linkage with different organizations

Name of Organization	Nature of Linkage
Palli Sanghatana	This linkage is mainly focusing on organizing joint Training programmes for the villagers as well as

Vibagh, Visva-Bharati, Sriniketan, Birbhum	giving exposure to the clientele of the Rathindra KVK as about the field level situation
All India Radio, Santiniketan Kendra, Birbhum, West Bengal	Broadcasting of different Rathindra KVK activities as well as live Phone –In Programmes are being organized. As a result a vast number of farmers, farm women and rural youth are being exposed to multiple information sources regarding multiple issues. This is necessary to mention that already AIR, New Delhi has awarded three adopted farmers and regular listeners of AIR Programmes of the Rathindra KVK for their excellent contribution to farming activities.
Doordarshan, Santiniketan Kendra, Birbhum, West Bengal	Telecasting of different Rathindra KVK activities as well as live phone –In Programmes are being organized. As a result a vast number of farmers, farm women and rural youth are being exposed to multiple information regarding multiple issues. This is necessary to mention that the viewers of these Programmes have been immensely benefited by viewing Method Demonstration on various new Technologies.
Bidhan Chandra Krishi Viswavidyalaya, West Bengal	<p>This linkage is mainly on the following aspects:-</p> <ul style="list-style-type: none"> - Conducting regular basis Human Resource Development Training Programme in different discipline. - Facilitate for Annual Action Plan Development. - Facilitate On Farm Testing .Modules. - Provide different location specific germ-plasm. <p>All the linkage activities profoundly help the Rathindra KVK clientele in updating their knowledge, skill and attitude.</p>
IARI, Regional Station, Samastipur, Bihar	<p>The linkage is mainly based on Collaborative Demonstration Programme on newer Wheat and Paddy varieties. As a result of this linkage, the farmers of Birbhum District are being exposed to nearly Thirty (30) newer varieties of Wheat and Four (04) varieties of scented as well as non-scented paddy varieties. Some varieties have shown very good potential for future introduction in the District.</p> <p>- Provide Weather related for Crop based Action Plan Development.</p>
ICAR-NAARM, Hyderabad, Telengana, India.	This linkage mainly focuses on human resource development of KVK scientists through undergoing Training Programmes organized by the ICAR-NAARM as well as collaboratively organizing the Field Experience Training, a residential long duration (21 Days) Training Programme conducted for giving the newly recruited ARS Scientists on Probation a firsthand experience in research and extension activities in real life situation.
Protection of Plant Varieties and Farmers' Rights Authority, Ministry of Agriculture,	This Linkage is basically for organizing Training Programme on “Creation of Awareness among the Farmers and Other Stakeholders about the Provisions of PPV & FR Act – 2001” to make the stakeholders aware about the Provisions of the PPV & FR Act – 2001 and for encouraging the farmers to register their traditional, extinct crop varieties with the Authority.

Department of Agriculture and Co-operation, Govt. of India, New Delhi	
IIT, Kharagpur, West Bengal	This Linkage mainly focuses on bringing and testing cutting edge Hi-Tech Technologies and for organizing Collaborative Training Programme on Green House Technologies and Micro-Irrigation System based Precision Farming.
CIFRI, Barackpur, 24 Parganas (North), West Bengal	<ul style="list-style-type: none"> This linkage is basically focussed on getting Technical Support on Glass Jar Hatchery and low cost Fish Feed Preparation. Utilizing this linkage a farmer named Sri Sunil Das, Village – Srichandrapur, P. O. – Sattore, Dist. – Birbhum, West Bengal (Mobile Phone No. – 09679885667) prepared a model of Glass Jar Hatchery using low cost materials. This innovative approach was sent to ICAR. The Model of Low Cost Glass Jar Hatchery innovated by Sri Sunil Das was detailed in the Compilation titled, “Farm Innovators”, published by the ICAR in October, 2010 (Page No. – 148).
ICAR-NDRI, ERS, Kalyani, West Bengal	This Linkage is basically for organizing the Collaborative Animal Health Camps, Cattle Infertility Treatment Camps, Hybrid Napier Distribution Camps and for organizing Front Line Demonstrations on improved varieties of Fodder Crops like Berseem, Oat etc.
Line Departments like Agriculture, Horticulture and Food Processing Industries, Animal Resource Development, Fisheries etc. Of the Govt. Of West Bengal, Birbhum, West bengal	This linkage is basically on Technological back-stopping.
National Research Centre on Weed Control, Jabbalpur, Madhya Pradesh	The linkage is now focusing on Technical Support for organizing Training and Awareness Camps for controlling weeds specifically weeds like Parthenium. The farmers of this District get immense benefit as they get exposure on Parthenium and other weeds through participating in “Parthenium Control Week Programme”.
ATMA, Birbhum, West Bengal	The linkage is now focusing on Orientation Farmers’ training and Programme Training for Head Master / Achiever Farmer. Various Short Term Researches on Topics related with Fishery, Agronomy etc. Are also being performed utilizing these linkages Programme.
NABARD, Birbhum, West Bengal	<p>The linkage mainly focuses on formation of Farmers Club, organizing Training for vulnerable areas, Organizing Technology Weeks etc. Some Farmers’ Clubs are doing excellent work and they are benefitted from this Linkage.</p> <p>Besides above mentioned Linkages, NABARD, Birbhum sponsored the Technology Week – 2015, organized by the Rathindra KVK in its Campus from 23.02.2015 to 27.02.2015 for exposing the</p>

	Practicing Farmers, Farm Women, Rural Youths and Extension Functionaries on cutting edge Agricultural and related field technologies. The NABARD is now sponsoring Skill Development Trainings in the Farm Sectors in the Financial Year of 2015 – 2016.
State Agricultural Management, Extension and Training Institute (SAMETI), Narendrapur, 24 Parganas (South), West Bengal.	This linkage is mainly on the following aspects - Conducting regular basis Human Resource Development Training Programme in different discipline for Scientists of the Rathindra KVK. - All the linkage activities profoundly help the Rathindra KVK clientele in updating their knowledge, skill and attitude.
Agricultural Training Centre (ATC), Ramakrishna Mission Ashrama, Narendrapur, Kolkata.	This linkage mainly focuses on human resource development of the practicing farmers especially practicing farm women, rural youths and extension functionaries on different improved technologies in agriculture and related sectors and gender related issues concerned with economic, social, cultural and political empowerment.
IFFCO, Kolkata, West Bengal	The linkage basically focuses on Training and Visit of the farmers' fields. The farmers get benefit through getting information on nutritional status of the soil as well as the proper fertilizer and manuring procedures.
Fertilizer Association of India (FAI), Kolkata, West Bengal	The linkage basically focuses on performing various Short Term Research on various crop nutrition and related issues, Training and Visit of the farmers' fields. The farmers get benefit through getting information on nutritional status of the soil as well as the proper fertilizer and manuring procedures..
Coconut Development Board, State Centre, Salt Lake City, Kolkata, West Bengal	<ul style="list-style-type: none"> This linkage is basically giving Residential Training to selected Rural Youths on "Friends of Coconut Trees (FOCT)" and popularizing Innovative Machine for rising up in the Coconut Trees. The second of this Type Training has been organized in collaboration with nRathindra KVK at the Rathindra KVK this Year. 20 unemployed Rural Youths were trainees in the Six Days Residential Training Programme on "Friends of Coconut Trees (FOCT)" jointly organized by the Coconut Development Board, State Centre, West Bengal, Salt Lake City, Kolkata and Rathindra Krishi Vigyan Kendra at the Rathindra Krishi Vigyan Kendra Campus from 21.08.2014 to 26.08.2014 and now they are performing as Master Trainers throughout the State.
TATA Rallis India Ltd., Kolkata, West Bengal	This linkage is basically focuses on Capacity Build Up Training for clientele of Rathindra KVK on Wheat, Potato, Mustard and Rabi Vegetables Crop Management and it has also started the Tata Rallis Agri Input Training Scheme (TRAITS) in 2015 – 16 in collaboration with the RATHindra KVK for giving long duration skill, consultancy, marketing and entrepreneurship development Training for unemployed Rural Youths who are given opportunity to be absorbed in the Tata Rallis Company after successful completion of the Training.
Lok Kalyan Parishad, Bolpur,	This linkage gives importance as well as focuses on Training and Demonstration for stakeholders for far flung areas of Birbhum District, especially areas largely dominated by the Scheduled Tribe (ST)

Birbhum, West Bengal.	population as well as collaborative Trial and Demonstration of Bio-Inputs for Agriculture and related Sectors.
Tagore Society For Rural Development, Santiniketan, Birbhum West Bengal	This linkage gives importance as well as focuses on Training and Demonstration for stakeholders for far flung areas of Birbhum District where normal working linkage of KVK with villagers of those areas are very weak.
Luthern Services, West Bengal Kolkata,	This linkage gives importance as well as focuses on Training and Demonstration for stakeholders for far flung areas of Birbhum District, especially areas bordering Jharkhand State where normal working linkage of KVK with villagers of those areas are very weak.
Asansol Seva, Burdwan, Burdwan, West Bengal	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District as well as far flung areas of Birbhum District, especially areas where normal working linkage of KVK with villagers of those areas are very weak.
Manab Birbhum, Bengal. Jamin, West	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District.
Development Research Communication and Service Centre, Kolkata, west Bengal.	This linkage mainly emphasizes on giving quality Training to the Rural Youth getting admitted in the Community College run by this NGO at Bolpur through delivering Lectures and giving exposures to hands-on field level situation by the experts from the Rathindra KVK who work as Resource Persons on various subjects like fishery, soil testing, horticulture etc.
IMSE, 195 Jodhpur Park, Kolkata - 700008	This linkage gives importance as well as focuses on joint Training and Demonstration for stakeholders for various non-adopted villages of Birbhum District as well as far flung areas of Birbhum District, especially areas where normal working linkage of KVK with villagers of those areas are very weak.
Bolpur Samabay, Bolpur, West Bengal Krishija Samity, Birbhum,	This linkage is basically focuses on supply of quality agricultural inputs for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality agricultural inputs.
Comprehensive Area Development Corporation (CADC) KVK, Bankura, West Bengal Sonamukhi,	This linkage is basically focuses on supply of quality breeder and foundation seeds of Pulses and Oilseeds for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
Comprehensive Area Development Corporation (CADC), Ranaghat – II, Arangghata,	This linkage is basically focuses on supply of quality breeder and foundation seeds of Pulses for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.

Nadia, West Bengal	
National Seed Corporation, Kolkata, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of various Crops for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
West Bengal State Seed Corporation, Kolkata, West Bengal	This linkage is basically focuses on supply of quality breeder and foundation seeds of various Crops for various FLD and OFT Programmes of the Rathindra KVK undertakes. As a result, the clientele of the Rathindra KVK is immensely benefitted through experiencing newer and better quality seeds.
Panchayati Raj Institutions (PRIs), Birbhum, West Bengal	This linkage helps the Rathindra KVK to get base-line information for choosing Target Areas both on Geographical Terms as well as on Technological Terms by going through various surveys and reports generated by the PR Institutions of the Birbhum District.
Other Krishi Vigyan Kendras (KVKs)	This linkage helps the farmers of various Districts to have an exposure and visit to Rathindra KVK and exchange ideas and experiences with farmers of the District of Birbhum and Scientists of the Rathindra KVK.

List of special programmes undertaken during 2015-16 by the KVK, which have been financed by ATMA/ Central Govt./ State Govt./NABARD/NHM/NFDB/Other Agencies

a) Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Establishment of Minimal Processing Unit	To produce quality seeds, animal feeds, fish feeds, processed agricultural and horticultural products.	March, 2016	ICAR	15,00,000.00
Total				15,00,000.00

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Training Programme on Improved Agro Technology for Homestead Papaya and Drum Sticks Cultivation	To give Technical expertise and skill to the Trainees on Different Aspects of Crop Diversification	18.04.2015.	Kabi Guru Prakalpa, Dwaranda, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Recent Agro Technology in Pulse and Oil Seed Production in Kharif Season	To give Technical expertise and skill to the Trainees on Different Aspects of Crop Diversification	23.04.2015.	ADA (Nanoor), Dept. of Agriculture, Govt. of W. B.	The total cost of the Programme was borne by the funding agency.
Training Programme on Preparation and Use of Vermi-Compost in Homestead Garden	To give Technical expertise and skill to the Trainees on Different Aspects of Organic Input Production	25.04.2015.	Kabi Guru Prakalpa, Dwaranda, Birbhum	The total cost of the Programme was borne by the funding agency.

Training Programme on Poultry Disease and Its Prevention	To give Technical expertise and skill to the Trainees on Different Aspects of Disease Management of Poultry Birds	22.04.2015.	Rural Training Centre, Allahabad Bank	The total cost of the Programme was borne by the funding agency.
Training Programme on Mechanism of KVK Functioning and Its Linkages with Financial Institutions	To give information to the Trainees on Different Aspects of Linkage between KVK and Financial Institutions	09.04.2015.	BIRD, NABARD, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Fish Production for Livelihood Development	To give Technical expertise and skill to the Trainees on Different Aspects of Recent Advances in Fishery	08.05.2015 to 09.05.2015.	PIA-IWMP-I, Barua Gopalpur Watershed, DDA (Soil and Water Management), Dept. of Agriculture, Govt. of W. B., Suri, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Animal Resource Development	To give Technical expertise and skill to the Trainees on Different Aspects of Improved Practices for Livestock Production	21.05.2015 to 22.05.2015.	PIA-IWMP-I, Barua Gopalpur Watershed, DDA (Soil and Water Management), Dept. of Agriculture, Govt. of W. B., Suri, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Fishery Activity as a Source of Livelihood	To give Technical expertise and skill to the Trainees on Different Aspects of Improved Fishery Production Technology	21.05.2015 to 22.05.2015.	PIA-IWMP-I, Barua Gopalpur Watershed, DDA (Soil and Water Management), Dept. of Agriculture, Govt. of W. B., Suri, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Animal Resource Development	To give Technical expertise and skill to the Trainees on Different Aspects of Recent Advances in Livestock Production	21.05.2015 to 22.05.2015.	PIA-IWMP-I, Barua Gopalpur Watershed, DDA (Soil and Water Management), Dept. of Agriculture, Govt. of W. B., Suri, Birbhum	The total cost of the Programme was borne by the funding agency.
Training Programme on Horticulture as a Source of Livelihood	To give Technical expertise and skill to the Trainees on Different Aspects of Improved Horticultural Production Technology	21.05.2015 to 22.05.2015.	PIA-IWMP-I, Barua Gopalpur Watershed, DDA (Soil and Water Management), Dept. of Agriculture, Govt. of W. B., Suri, Birbhum	The total cost of the Programme was borne by the funding agency.

Front Line Demonstration (FLD) Programme on Fodder Maize Var. African Tall	To disseminate the Improved Varieties, Agro-Technologies and Supporting Package of Practices for Green Fodder Cultivation	May, 2015	ICAR-NDRI, ERS, Kalyani	The Seeds of Improved Maize Varieties were provided by the ICAR-NDRI, ERS, Kalyani
Front Line Demonstration (FLD) Programme on Fodder Crop Rice Bean Var. Bidhan - 1	To disseminate the Improved Varieties, Agro-Technologies and Supporting Package of Practices for Green Fodder Cultivation	May, 2015	ICAR-NDRI, ERS, Kalyani	The Seeds of Improved Rice Bean Varieties were provided by the ICAR-NDRI, ERS, Kalyani
Front Line Demonstration (FLD) Programme on Fodder Sorghum Var. Jumbo	To disseminate the Improved Varieties, Agro-Technologies and Supporting Package of Practices for Green Fodder Cultivation	May, 2015	ICAR-NDRI, ERS, Kalyani	The Seeds of Improved Sorghum Varieties were provided by the ICAR-NDRI, ERS, Kalyani
Front Line Demonstration (FLD) Programme on Fodder Sorghum Var. MP Chari	To disseminate the Improved Varieties, Agro-Technologies and Supporting Package of Practices for Green Fodder Cultivation	May, 2015	ICAR-NDRI, ERS, Kalyani	The Seeds of Improved Sorghum Varieties were provided by the ICAR-NDRI, ERS, Kalyani
Training Programme on Cultivation of Drum Sticks (Barmasia Variety)	To give Technical expertise and skill to the Trainees on Different Aspects of Crop Diversification	04.06.2015. to 05.06.2015.	Deputy Director, Horticulture, Govt. of West Bengal, Suri	The total cost of the Programme was borne by the funding agency.
Training Programme on Pest and Disease Management of Moringa	To give Technical expertise and skill to the Trainees on Different Aspects of IPM of Vegetables	04.06.2015. to 05.06.2015.	Deputy Director, Horticulture, Govt. of West Bengal, Suri	The total cost of the Programme was borne by the funding agency.
Training Programme on Marketing Mechanism of Produced Drum Sticks	To give Technical information, knowledge and skills to the Trainees on Different Aspects of Market Led Extension	04.06.2015. to 05.06.2015.	Deputy Director, Horticulture, Govt. of West Bengal, Suri	The total cost of the Programme was borne by the funding agency.
Preparation of Strategic Research and Extension Plan (SREP) of Birbhum District	To outline the future course of Research and Extension works needed for development of Agriculture and Allied Sectors based on the present research and extension gaps found in the District of Birbhum in these Sectors	July, 2015	ATMA, Birbhum	2,50,000.00
Training Programme on Tata Rallis Agri Input Training Scheme (TRAITS) Phase I	To give Technical information, knowledge and skills to the Trainees on Different Aspects of Promotion and Marketing of Agri Inputs	25.08.2015 to 03.09.2015.	Tata Rallis India Limited	The total cost of the Programme was borne by the funding agency.
Training Programme on Dairy Farming	To give Technical expertise and skill to the Trainees on Different Aspects of Improved Livestock Production	28.08.2015.	ICAR-NDRI-ERS, Kalyani	The total cost of the Programme was borne by the funding agency.
Animal Health Camp	To provide Health Care support to the Cattles and Buffaloes including supply of Area Specific Mineral Mixtures and Vaccination viz. Raksha Trio Vac (FMD + HS + BQ)	29.08.2015.	ICAR-NDRI-ERS, Kalyani	The total cost of the Programme was borne by the funding agency.

Hybrid Napier (Fodder) Cutting Distribution Camp	To encourage the Farmers to cultivate High Yielding Improved Quality Fodder Crops	29.08.2015.	ICAR-NDRI, ERS, Kalyani	The cuttings of Hybrid Napier were provided by the ICAR-NDRI, ERS, Kalyani
Farm Sector Training Programme	To develop human resources among the practicing farmers, farm women and rural youths through Skill and Knowledge development Training Programmes	September, 2015 to March, 2016.	NABARD, Birbhum	2,70,000.00
Cluster Front Line Demonstrations (Cluster FLDs) on Rabi Pulses (Crops: Field Pea, Chick Pea, Lentil and Green Gram)	To disseminate Improved Varieties, Agro-Technologies and supporting Package of Practices for Rabi Pulse Production	October, 2015 to March, 2016.	ICAR	6,00,000.00
Cluster Front Line Demonstrations (Cluster FLDs) on Rabi Oilseeds (Crops: Mustard, Sesamum and Linseed)	To disseminate Improved Varieties, Agro-Technologies and supporting Package of Practices for Rabi Oilseeds Production	October, 2015 to March, 2016.	ICAR	4,30,000.00
Training Programme on Use of Fertilizer in Rainfed Farming	To give Technical expertise and skill to the Trainees on Different Aspects of Integrated Nutrient Management	06.11.2015.	Surul Supretee Sangha, Village – Surul, Sriniketan, Dist. - Birbhum	The total cost of the Programme was borne by the funding agency.
Distribution of Free Soil Health Cards	To encourage the Practicing Farmers for analyzing their Soils for better Soil Health and Nutrient Management	05.12.2015	ICAR	1,25,000.00
Pre-Rabi Kisan Sammelan - 2015	To expose the Practicing Farmers, Farm Women and Rural Youths to the cutting edge Agricultural and related Sectors Technology for modernization of agriculture and related sectors and enhancement of productivity for more income generation from a limited resource base on a sustainable basis	05.12.2015.	ICAR	80,000.00
Training Programme on Women Empowerment through Food and Nutritional Security	To develop knowledge, attitude and skills among the participating Farm Women on different aspects of food and nutritional security and the relationship between these issues and the broad issue of women empowerment	29.02.2016 to 04.03.2016.	Agricultural Training Centre (ATC), Ramakrishna Mission Aashrama, Narendrapur, Kolkata	The total cost of the Programme was borne by the funding agency.
Training Programme on Women Empowerment through Food and Nutritional Security	To develop knowledge, attitude and skills among the participating Farm Women on different aspects of food and nutritional security and the relationship between these issues and the broad issue of women empowerment	14.03.2016 to 18.03.2016.	Agricultural Training Centre (ATC), Ramakrishna Mission Aashrama, Narendrapur, Kolkata	The total cost of the Programme was borne by the funding agency.
Technology Week - 2016	To expose the practicing farmers, farm women, rural youths and extension functionaries about the cutting edge technologies in agriculture and related sectors.	14.03.2016 to 18.03.2016.	NABARD, Birbhum	1,00,000.00

Visit of members of Najrul Sukanta Farmers' Club, Village – Radhanagar, P. O. – Chhototurigram, Mayureswar, Dist. – Birbhum.	To visit the Rathindra KVK Campus as well as the Technology Week – 2016 for an exposure as well as a firsthand experience to the cutting edge technologies on agriculture and allied sectors.	15.03.2015	NABARD, Birbhum	The total cost of the Programme was borne by the funding agency.
Visit of members of Srjan Uttaran Farmers' Club Federation, Mohammad Bazar, Dist. – Birbhum.	To visit the Rathindra KVK Campus as well as the Technology Week – 2016 for an exposure as well as a firsthand experience to the cutting edge technologies on agriculture and allied sectors.	16.03.2015.	NABARD, Birbhum	The total cost of the Programme was borne by the funding agency.
Total				18,55,000.00

9. Manpower Training Requirements

a. 2014 – 2015

Not Applicable

b. 2015 – 2016

Sl. No.	Name	Designation	Title / Thematic Areas of the Training Programme	Organizing Institute	Duration	Expenditure
01.	Dr. Subrata Mandal	Subject Matter Specialist (Agronomy)	Application of Remote Sensing and Geographical Information System (GIS) in Soil Resource Mapping Towards Land Use Planning	NBSS&LUP, RC, Kolkata	10 Days	As per Conditions
02.			Soil Health and Input Use Efficiency through Integrated nutrient management, Indigenous mineral and by-product sources, Nano-technology, Precision agriculture, Crop simulation modeling and remote sensing, Fertilizer fortification and Resilience of degraded soils	Indian Institute of Soil Science (IISS), Bhopal, Nabibagh, Berasia Road, Bhopal - 462038 Madhya Pradesh, India.	21 Days	As per conditions
03.			Organic Agriculture Systems (OAS)	ICAR- Indian Institute of Farming Systems Research (IIFSR), Modipuram, Meerut, UP	21 Days	As per conditions
04.			Short Course on Adaptation and Mitigation Strategies for Climate Resilient Agriculture	CRIDA (ICAR), Santoshnagar, Hyderabad - 500 059	10 Days	As per Conditions
05.			Training Programme on Geospatial Analysis of Natural Resources Management using Statistical Tools	National Academy of Agricultural Research Management (Indian Council of Agricultural Research, Ministry of Agriculture,	10 Days	As per conditions

				Govt. of India) Rajendranagar, Hyderabad-500 030, India;		
06.	Sri Sourav Mondal	Subject Matter Specialist (Plant Protection)	ICAR- Sponsored Winter School on Recent Advances in Integrated Pest Management	ICAR-National Centre for Integrated Pest Management, Lal Bahadur Shastri Building, IARI Campus Pusa, New Delhi- 110012	21 Days	As per Conditions
07.			Training Course For KVK Scientists on MUSHROOM CULTIVATION	Directorate of Mushroom Research (Indian Council for Agricultural Research) Chambagaht, Solan – (HP) 173213 India	15-21 July, 2015 (07 Days)	No Fee. TA & DA is to be borne by The Parent Organization
08.			Bee-keeping Field Main Course	Bee Keeping Extension Centre, Khadi & Village Industries Commission, Pialitown, Dist. 24,Parganas - 743387 (WB)	30 Days	As per condition
09.	Dr. Prabuddha Ray	Subject Matter Specialist (Agricultural Extension)	Management Development Programme on Participatory Rural Knowledge Management	National Academy of Agricultural Research Management (Indian Council of Agricultural Research, Ministry of Agriculture, Govt. of India) Rajendranagar, Hyderabad-500 030, India;	10 Days	As per conditions
10.			Trends in Agricultural Marketing Information System	MANAGE, Hyderabad	07 Days	As per conditions
11.			National Facilitators Development Programme for Agricultural Extension Management	MANAGE, Hyderabad	10 Days	As per Conditions
12.			Developing Training Modules for Employees and Training of Trainers	IRMA, Anand	27.01.2016 to 30.01.2015	Rs. 24,000.00
13..			Qualitative and Quantitative Research Methods	IRMA, Anand	26.11.2015 to 28.11.2015	Rs. 18,000.00
14.			Training Programme on Advanced Analytical Tools for Social Sciences	National Academy of Agricultural Research Management	10 Days	As per conditions

				(Indian Council of Agricultural Research, Ministry of Agriculture, Govt. of India) Rajendranagar, Hyderabad-500 030, India;		
15.	Dr. Madhuchhanda Khan	Subject Matter Specialist (Animal Science)	Extension and Communication Management and related Topic	NAARM, Hyderabad	30 Days	Rs. 23,000.00
16.			Dairy Management and Related Course	NDRI, Karnal	21 Days	As per conditions
17.			Disease Prevention and Animal Health Science related Topic	IVRI, Izzatnagar	21 Days	As per Conditions
18.			Poultry Management and Related Course	TNAUVAS, Tamil Nadu	21 Days	As per conditions
19.	Sri Suraj Kumar Bhakta	Programme Assistant (Computer Programmer)	Management Development Programme on Multimedia Digital Content Development	National Academy of Agricultural Research Management (Indian Council of Agricultural Research, Ministry of Agriculture, Govt. of India) Rajendranagar, Hyderabad-500 030, India;	10 Days	As per conditions
20.			Training Programme on Geospatial Knowledge Management for Sustainable Agriculture Using open Source GIS	National Academy of Agricultural Research Management (Indian Council of Agricultural Research, Ministry of Agriculture, Govt. of India) Rajendranagar, Hyderabad-500 030, India;	10 Days	As per conditions

21.			Faculty Development Programme on E-Learning	National Academy of Agricultural Research Management (Indian Council of Agricultural Research, Ministry of Agriculture, Govt. of India) Rajendranagar, Hyderabad-500 030, India;	10 Days	As per conditions
22.			Remote Sensing with Especial Emphasis on Digital Image Processing	Indian Institute of Remote Sensing, Indian Space Research Organisation, Dept. of Space, Govt. of India, 4, Kalidas Road, Dehradun - 248 001	02 Months	As per conditions

10. Salient Major Achievements (in Bullets) of Mandated and Other Activities

a. 2014 – 2015

Details of target and achievement of mandatory activities by KVK during April, 2014 – March, 2015

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
08	06	66	52	585	589	585	589

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
97	94	3450	3448	705	707	6835	146477

Seed production (q)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
A. Black Gram – 0.10	A. Black Gram (Var. – WBU – 108) – 0.25	A. Vegetables – 2000	A. Vegetables – i. Broccoli (Var. – F – 1 Hybrid Fiesta) – 1000
B. Green Gram – 0.10	B. Green Gram (Var. PDM -84-139) – 0.20		ii. Capsicum (Var. –
A. Lentil – 0.21	C. Lentil (Var. – WBL – 58) – 0.45		–

B. Mustard (Var. – B – 9) – 1.0	D. Mustard (Var. – B – 9) – 1.50		Mahabharat, Bharat) – 2000
C. Mustard (Var. – Pusa Mahek) – 0.50	E. Mustard (Var. – Pusa Mahek) – 0.52		
D. Mustard (Var. – Pusa Bahar) – 0.70	F. Mustard (Var. – Pusa Bahar) – 0.92		
E. Sesame – 0.50	G. Sesame (Var. – Sabitri) – 0.70		
H. Paddy – 5.0	H. Paddy (Var. – MTU – 7029, MTU – 1010, IET – 4786, PNR – 381, Pusa – 44 and Heera) – 6.0		
	I. Wheat (Var. HD - 2824) – 1.5		
	J. Poultry (Breed – Broiler) – 200 No.s		
	K. IMC and Exotic Carps – 2.0		

b. 2015 - 2016

Details of target and achievement of mandatory activities by KVK during 2015-16

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
11	12	140	147	399	1189	856	1189

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
106	130	3232	3786	463	473	16,261	44,707

Seed production (q)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
A. Green Gram – 0.10	A. Field Pea (Var. Prabhat) – 0.40 B. Green Gram (Var. PDM-84-139) - 0.30	Vegetables – 1,500	A. Cauliflower (Var. PAN – 3030) – 1,000
B. Black Gram – 0.10	C. Black Gram (Var. WBU – 108) – 0.40		B. Cabbage (Var. Seminis – 111) – 2,000
F. Mustard (Var. – B – 9) – 1.0	D. Mustard (Var. B – 9) – 0.13		C. Chilli (Var. PAN – 1498) – 1,000
G. Mustard (Var. – Pusa Mahek) – 0.5	E. Mustard (Var. Pusa Mahek) – 1.87		D. Broccoli (Var. F – 1 Hybrid Fiesta) – 1,000
	F. Paddy (Var. - MTU – 1010, MTU – 7029, PNR –		

H. Paddy – 5.0	381, Heera) – 0.825 G. Paddy (Var. MTU – 7029, GB- 1, Pratiksha) – 7.00 H. Linseed (Var. Dipika / Sekhar) – 2.00 I. Dhaincha (Var. Local Improved) – 0.92 J. Wheat (Var. HD – 2824) – 5.00 K. Wheat (Var. PBW – 343) – 5.00 L. Ripened Mango Fruits (Var. Himsagar, Amrapali, Mallika, Kohitoor, Golap Khas, Ranipasand, Bombai etc.) – 3.20 M. Ripened Water Apple Fruits – 00.89 N. Moosambi – 107 pcs. O. Poultry Birds [Breed - Rhode Island Red (RIR)] – 20 in numbers P. Poultry Birds (Breed – Vanaraja) – 25 in numbers Q. Broiler Birds (Breed – Broiler) – 200 in numbers R. Indian Carps (Specieces - Rohu, Catla and Mrigal) – 1.5 lakh fry + 67.6 kgs. of table Fishes S. Exotic Carp (Specieces - Silver Carp, Cyprinus and Grass Carp) – 0.5 lakh fry T. Small Indigenous Fish Specieces (Punti, Mouralla, Darke etc.) – 110.00 kg. U. Bio Fertilizers – <i>Azolla</i> – 307.5 kg V. Bio Agents - Earth-worm (<i>Eisenia foetidae</i>) – 3,500 in numbers W. Vermi-Compost – 275.0 kg		E. Capsicum (Var. Bharat, Mahabharat) – 1,000 F. Drum Sticks (Var. PKM – 1) - 100
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11. Current Programmes

a. 2014 - 2015

Name of the Programme/Scheme	Purpose of Programme	Date/ Month of Initiation	Funding Agency	Amount (Rs.)
Short Term Research	To find out the performance of different sources of vermin-composting	08.02.2014.	ATMA, Birbhum	1,24,000.00
Total				1,24,000.00

N. B. The Vermin-Composting Unit has been constructed.

b. 2015 - 2016

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Establishment of Minimal Processing Unit	To produce quality seeds, animal feeds, fish feeds, processed agricultural and horticultural products.	March, 2016	ICAR	15,00,000.00
Total				15,00,000.00

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Preparation of Strategic Research and Extension Plan (SREP) of Birbhum District	To outline the future course of Research and Extension works needed for development of Agriculture and Allied Sectors based on the present research and extension gaps found in the District of Birbhum in these Sectors	July, 2015	ATMA, Birbhum	2,50,000.00
Total				2,50,000.00

12. Future Plans

a. 2014 – 2015 – Delineated in the Action Plan for 2015-16 scrutinized in the State Level Review Workshop and finally accepted in the Zonal Workshop.

b. 2015 – 2016 – Delineated in the Action Plan for 2016-17 scrutinized in the State Level Review Workshop and to be placed in the Zonal Workshop.

13. Any Other

a. 2014 - 2015

Minikit Demonstrations of different Varieties of Wheat and Paddy under IARI Outreach Programme, PUSA, Samastipur

Crop	Thematic Area	Name of the varieties	No. of farmers	Area (ha)	Yield (q/ha)		% increase in yield
					Demo	Check	
Wheat Rabi, 2013-14	Varietal replacement	1.HD 2733	20	4.0	31.1	24.4 Sonalika)	27.5
		2.HD2824			38.1		56.0
		3. HD 2985			26.9		10.2
		4. HI 1563			26.3		10.1
		5. HD 2967			26.9		10.2
		6. HW 2045			28.4		33.9
		7. HI 1544			26.6		10.1
Paddy Kharif, 2014	Varietal replacement	1. Pusa - 44 (130 days)	30	2.4	43.98	42.1 (MTU 7029)	4.4
		2. Pusa Sugandh -5 (110 days)			38.91	30.1 (IR36)	29.2

		3. PNR - 381 (120 days)			32.52	30.1 (IR 36)	8.0
Wheat Rabi, 2014-15	Varietal replacement	1. HD2733 2.HD2824 3.HD2967 4. HI1544 5.HI1563 6.HD2985 7.HW2045 8.HD2888	14	4.0	36.2 41.0 35.7 35.2 34.8 35.9 35.8 34.7	33.3 (Sonalika)	8.7 23.1 7.2 5.7 4.5 7.8 7.5 4.2

b. 2015 – 2016

Minikit Demonstrations of different Varieties of Wheat and Paddy under IARI Outreach Programme, PUSA, Samastipur

Crop	Thematic Area	Name of the varieties	No. of farmers	Area (ha)	Yield (q/ha)		% increase in yield
					Demo	Check	
Wheat Rabi, 2015-16	Varietal replacement	1. HD 2824	05	1.0	39.4	31.2 (Sonalika)	26.3

Demonstrations of different Varieties of Green Fodder under Outreach Programme of ICAR-NDRI, ERS, Kalyani, Nadia

Crop	Thematic Area	Name of the varieties	No. of farmers	Area (ha)	Yield (q/ha)		% increase in yield
					Demo	Check	
Maize Pre-Kharif, 2015	Varietal Improved	1. African Tall	19	00.40	1020.20	706.60 (Local Improved)	44.4
Rice Bean Kharif, 2015	New Crop Introduction	1. Bidhan - 1	13	00.20	320.5	-	-
		2. Bidhan - 2	06	00.58			
Sorghum Kharif, 2015	New Crop Introduction	1. MP – Chari	16	00.60	633.4	340.5	86
		2. Jumbo	06	00.08			
Oat Rabi, 2015-16	New Crop Introduction	1. JHO - 822	05	00.50	09.16	-	-

Significant achievement of the KVK with facts and figures as well as quality photographs

A. Sri Tapan Kumar Ghosh (associated with the Rathindra KVK) was awarded with the Innovative Farmer Award by the Honourable Union Cabinet Minister of Ministry of Agriculture and Farmers' Welfare,

Govt. of India, Sri Radha Mohan Singh on 21.03.2016 for the Innovative 4 Row SRI Marker at the Krishi Unnati Mela – 2016 organized by the ICAR-IARI, Pusa, New Delhi held at the Pusa Campus of ICAR-IARI, New Delhi.

Sri Tapan Kumar Ghosh being felicitated by the Honourable Union Cabinet Minister for Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh



B. Sri Abdul Mazid (associated with the Rathindra KVK) was awarded for Excellence in Agriculture Sector for his contribution in the commercial seed production of High Yielding improved Varieties of Elephant Foot Yam by the Honourable Union Cabinet Minister for the Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh on 22.02.2016 at the Foundation Day Celebration of Eastern Regional Research Complex of ICAR at Patna.

C. Sri Amalendu Saha (associated with the Rathindra KVK) was awarded for Excellence in Agriculture Sector for his excellent service as a Private Para-Vet by the Honourable Union Cabinet Minister for the Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh on 22.02.2016 at the Foundation Day Celebration of Eastern Regional Research Complex of ICAR at Patna.

**Felicitated Farmers at the Foundation Day Celebration of Eastern Regional Research
Complex of ICAR at Patna on 22.02.2016**



Some other programme organized by KVK not covered above

A. 12 numbers of Rural Youths from different villages of Birbhum District were nominated and organized by the Rathindra KVK for undergoing the Training Programme on “Package of Agricultural Machinery for Paddy Cultivation” under Sub Mission on Agricultural Machinery (SMAM) Scheme for 1st. Phase of the Training i.e. 29th. February to 5th. March, 2016 to held at KVK Budwan, Bud Bud, Burdwan and another 13 numbers of rural youths from different villages of Birbhum District were nominated and organized by the Rathindra KVK for undergoing the Sub Mission on Agricultural Machinery (SMAM) Scheme for 2nd. Phase of the Training i.e. 7th. March to 12th. March, 2016 to also held at KVK Budwan, Bud Bud, Burdwan. All these 25 (Twenty five) numbers of Rural Youths have successfully completed the Long Duration Skill development training Programmes.

B. 06 numbers of Rural Youths from marginalized Scheduled Tribe Community from different villages of Birbhum District were nominated and organized by the Rathindra KVK for undergoing long duration, residential skill and entrepreneurship development Training Programmes on “Scientific Dairy Farming” organized by the ICAR-NDRI, ERS, Kalyani, Nadia, West Bengal from 12.12.2015 to 18.12.2015 at the IAR-NDRI, ERS, Kalyani Campus and the above noted Rural Youths have successfully completed the Training Programme on Scientific Dairy Farming.

B. Efforts made so far to establish market intelligence networks to enable the farming communities to get remunerative prices for their produce

a. 2014 – 2015

The Rathindra Krishi Vigyan Kendra, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal has taken various initiatives to promote market linkages between farmers, farm women, rural youths, Self Help Groups (SHGs) and prospective markets. Some of these initiatives are described below:

1. A bi-weekly KVK Haat (“Kisan Bazar”) is being organized by the Rathindra KVK in its premises for opening up a marketing avenue to the producers of Self Help Groups as well as practicing farmers, farm women, rural youths etc. starting from 31.03.2015.

In this KVK Haat, mainly small farmers, farm women and newly formed SHGs being promoted by the Rathindra KVK are being given the opportunity to sell their producers viz. Vegetables, fish, eggs, Poultry birds, processed food items like Jam, Jelly, Pickles, Juices, Squash etc. at reasonable prices. **Most importantly the Rathindra KVK is not charging any type of fees from these producers as well as sellers; in addition to that the Rathindra KVK has taken the initiative to promote this Haat through campaigns like individual E-Mail sending to the Faculty Members of the Visva-Bharati University, Short Message Service (SMS) sending to the registered members of m-Kisan portal affiliated with the National Farmers Portal, campaigns through advertising by placing Festoons in key places in and around Visva-Bharati campus, postering etc.**

The unique feature of this Haat is that it is totally plastic free keeping in mind the environmental concerns.

b. 2015 – 2016

1. A bi-weekly KVK Haat (“Kisan Bazar”) is being organized by the Rathindra KVK in its premises for opening up a marketing avenue to the producers of Self Help Groups.

Till date 10 (Ten) numbers of such Haats were organized benefitting nearly 150 numbers of practising farmers, farm women, rural youths and members of SHGs.

This initiative of the Rathindra KVK was highly appreciated by the Chairman of the NAAC Peer Team of the UGC, Honourable Dr. D. P. Rao, and Former Vice-Chancellor, Odisha University of Agriculture and Technology (OUAT) and other hounourable members of the aforesaid Team during its visit to the Rathindra KVK on 27.04.2015. Later this initiative was again highly appreciated by the Director, SAMETI, Narendrapur, West Bengal Dr. Manas Ghosh during his visit to the Rathindra KVK in the month of July, 2015.

2. Official correspondence is on with the Sub-Divisional Assistant Agricultural Marketing Officer, Bolpur Sub-Division, Dept. of Agricultural Marketing, Govt. of West Bengal, so that some accommodation could be made for practicing farmers, farm women, rural youths, members of SHGs etc. in the newly constructed Bolpur Krishak Bazar situated at the State Adaptive Research Farm, Dept. of Agriculture, Govt. of West Bengal, Bolpur, Bolpur-Sriniketan Road, Birbhum.

3. Official correspondence regarding the establishment of institutional linkage between West Bengal State Marketing Board and the Trainees and Self Help Groups (SHGs) promoted by the Rathindra KVK with the Chief Executive Officer (CEO), West Bengal State Marketing Board, 729, Anandapur, Kolkata – 107 has already been made vide Letter No. PSB/KVK/Marketing/05/2015-2016; Dated 10.04.2015 and the proposal from the Rathindra KVK are under process.