

ANNUAL PROGRESS REPORT

April 2017 to March 2018

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Instructions for Filling the Format

1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.
2. Do not merge columns, rows.
3. Please repeat the name of KVK in each table in the column “Name of KVK”
4. Do not fill the non-numerical values in numeric field
5. Do not repeat the unit while reporting data as it is already mentioned in the heading row
6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit
7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)
8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”
9. Also read the instructions mentioned just below the table
10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format
11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.
12. Grey color cells in summary table need not to be filled.
13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
Fruits:- Mango, Guava, Custard apple, Pear etc.
Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2017 to March 2018

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2017-18

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	05		
	On Going OFT			
	Technologies assessed (Completed OFT)			
	Technologies refined			
	On farm trials conducted	08		
2	Frontline demonstrations			
	Proposed Frontline demonstrations	08		
	On Going Frontline demonstrations			
	FLDs conducted on crops			
	Area under crops (ha.)			
	FLD on farm implement and tools			
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)			
	FLD on Fisheries - Finger lings			
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)			
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)			
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	40	01	1200
	Farm women	03	01	60
	Rural youth	-	-	-
	Extension personnel/ In service	11	1	300
	Vocational trainings	03	06	71
	Sponsored Training	10	01	423
	Total			
		No. of programmes	Participants	
4	Extension Programmes			
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)			
	Planting material produced (nos.)			
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffelo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)			
	Poultry-Eggs (nos.)			
	Ducks (nos.)			
	Chicks etc. (nos.)			
7	Bio Products	Qty	Beneficiaries (nos.)	
	Bio Agents -Earth worm (Kg.)			
	Trichoderma (kg.)			

	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)		
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)		
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	-	-
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)		
	KVK News letter	04	2000
	SAC Meetings conducted	01	60
	Soil sample tested	187	187
	Water sample tested	-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-
	KVK-KMA (Message and beneficiaries)	28	145700
	Convergence programmes		
	Sponsored programmes	09	423
	KVK Progressive Farmers interaction		
	No. of Technology Week Celebrations		
	Attended HRD activities organized by ZPD	12	03
	Attended HRD activities organized by DES	20	05
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	-	-
9	Current status of Revolving Funds (Amt. in Rs.)		
10		No. of blocks	No. of villages
	Outreach of KVK in the District	06	959
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	02	23 461
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	06
13		Application received	Application disposed
	Status of RTI (nos.)	NIL	NIL
14		Query received	Query dissolved
	Citizen Charter (nos.)	NIL	NIL
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	NO	
16		Filled	Vacant
	Staff Position	11	05
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	05	
18	Publication received from ICAR /other organization (nos.)	08	
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)		

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2018

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Bhatapara	16	1	0	6	5	3	2	6	4	16	11

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Bhatapara	Programme Coordinator	Dr. A.S. Rajput	Agronomy	M.Sc.(Agronomy)	Horticulture			01.05.2018 at KVK Bhatapara		Gen.
Bhatapara	Subject Matter Specialist1	Smt. Savita Rajput	Horticulture	PhD.(Hort.)	Horticulture	15600-39100 AGP-5400/-	21000	10.09.2012	Temporary	Gen.
Bhatapara	Subject Matter Specialist2	Er. P.D.Verma	Agril. Engg.	M. Tech. (FMP)	Farm Machinery & Power	15600-39100 AGP-5400/-	21000	6.9.2012	Temporary	OBC
Bhatapara	Subject Matter Specialist3	Shri Pradeep Kashyap	Soil Science	M.Sc. (Soil Science)	Soil Science	15600-39100 AGP-5400/-	21000	7.9.2012	Temporary	OBC
Bhatapara	Subject Matter Specialist4	Deepmala Kindo	Plant pathology	M.Sc. (Plant pathology)	Plant Pathology	15600-39100 AGP-5400/-	21000	7.9.2012	Temporary	ST
Bhatapara	Subject Matter Specialist5	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Bhatapara	Subject Matter Specialist6	Vacant	Livestock	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Bhatapara	Programme Assistant	Shri Priyank Banafar	Soil Science	M.Sc. (Soil Science)	Soil Science & Agricultural Chemistry	18900/-	-	12.02.2018	Contractual	Gen
Bhatapara	Farm Manager	Dr. Sakshi Bajaj	Agronomy	Ph.D. (Agronomy)	Agronomy	18900/-	-	21.02.2018	Contractual	Gen

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Bhatapara	Computer Programmer	Smt. Deepkala Thakur	Comp. Sc.	B.E. (Comp. Sc.)	Comp. Sc.	9300-34800 AGP-4200/-	13500	21.9.2012	Temporary	ST
Bhatapara	Accountant / superintendent	Shri M.L Yadav	-			5200-20200 AGP-2800/-	15610		Temporary	OBC
Bhatapara	Stenographer	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Bhatapara	Driver	Shri Tikam Dhruw	-	8th	8 th	5200-20200 AGP-1900/-	8810	17.4.2008	Temporary	ST
Bhatapara	Driver	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Bhatapara	Supporting staff	Shri Naindas Banjare	-	5th	5 th	4750-7440 AGP-1300/-	7480	8.2.2006	Temporary	SC
Bhatapara	Supporting staff	Shri Ashok Satnami	-	5th	5 th	4750-7440 AGP-1300/-	7480	8.2.2006	Temporary	SC

Note- Dr. Angad Singh Rajput is I/c Senior Scientist & Head of KVK, Bhatapara since 01.05.2017

Dr. Sakshi Bajaj, Farm Manager is contractual

Shri Priyank Singh Banafar, Programme Assistant is contractual

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Bhatapara	Chhattisgarh Plain	6	499	496890	69%	184346	197760	1.20 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Bhatapara	Gudhelia	2016	Bhatapara	15 Km.		
Bhatapara	Seetapar	2016	Simga	30 Km		
Bhatapara	Pendri	2016	Bhatapara	10 Km		
Bhatapara	Kukrachunda	2016	Bhatapara	15 Km		
Bhatapara	Maldi	2016	Bhatapara	7 Km		
Bhatapara	Gurra	2016	Bhatapara	8 Km		
Bhatapara	Khairi	2016	Bhatapara	3 Km		
Bhatapara	Marrakona	2016	Simga	10Km		
Bhatapara	Rajadhar	2016	Bhatapara	4 km		
Bhatapara	Sarwani	2016	Kasdol	75 Km		
Bhatapara	Muswadih	2016	Palari			

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Bhatapara	Achieve yield potential of crop varieties
Bhatapara	Reduction in the cost of cultivation to get higher B:C ratio
Bhatapara	Promotion of bold seeded pulse production, particularly Pigeon pea.
Bhatapara	Promotion of green fodder for improvement in milk production for small and marginal dairy holders.
Bhatapara	Promotion of group marketing of vegetables for small and marginal farmers.
Bhatapara	Integrated nutrient management and correction of micronutrient deficiencies
Bhatapara	Promotion of integrated pest management in vegetables.
Bhatapara	Promotion low cost storage techniques of cereals, pulse, and vegetables for small and marginal farmers.
Bhatapara	Promotion of judicious use of water, pesticide and fertilizer.
Bhatapara	Rainfed Mechanization.
Bhatapara	Drudgery reduction and manual power harnessing through farm machinery and equipments.
Bhatapara	Promotion of technologies to improve availabilities of fixed nutrient in the soil through bio fertilizer.
Bhatapara	Promotion of soil test based fertilizer recommendation for major crop in the district.

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Balodabazar-Bhatapara	Rice var. Mahamaya is popular but became old var. And susceptible for Blast.	Group discussion and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low productivity of Rice due to improper method of sowing.	Village visit and base line survey with the extension officers of Agril. Deptt.	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low productivity of Soybean due to improper method of sowing.	Village visit and base line survey with the extension officers of Agril. Deptt.	Sum of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Improper utilization of soil moisture in rabi crops(Wheat, Chickpea)	Village visit and base line survey with the extension officers of Agril. Deptt.	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Poor economic yield in Utera lathyrus in vertisol	Group discussion, Monthly Workshop and Survey	Most of the villages of Kasdol and Bilaigarh Block
Balodabazar-Bhatapara	Loss of marketable yield due to Yellow Vein Mosaic disease in Okra	Group discussion, Monthly Workshop and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low yield and high infestation of Aphid due to late sown of Mustard Variety (December).	Group discussion, Monthly Workshop and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low yield due to heavy infestation of Pod Borer in Chickpea	Group discussion, Monthly Workshop and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low yield due to leaf curl and wilt disease in Chilli and Tomato	Group discussion, Monthly	Most of the

		Workshop and Survey	villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Injudicious use of insecticide to control fruit and shoot borer in Brinjal.	Group discussion, Monthly Workshop and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low yield due to heavy infestation of weeds in Okra	Group discussion, Monthly Workshop and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Low yield due to use of local Varieties of Black gram and Lathyrus.	Group discussion and Survey	Most of the villages of the District Baloda Bazar- Bhatapara
Balodabazar-Bhatapara	Post Harvest losses in vegetables due to unavailability of storage facilities.	Group discussion and Survey	Most of the villages of the District Baloda Bazar- Bhatapara

2. On Farm Testing (OFT)

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.
- Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- Don't press enter key to navigate among column use arrow or tab key
- don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under trail.
- If crop has been not yet harvested, mark it * on that

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farmin g Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommend ations
										FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
Bhata para	2017-18	Kharif	Sheath blight & stem borer is one of the major problem in the district causing serious yield losses	Assessment of Chemicals against Sheath Blight & insect pests of Rice	Assessment	Disease Management/PLP	Rice	Lowland/Rainfed	05	30.10	38.20	-	25660	32485	-	Use of recommended fungicide and insecticide for the control of disease and pest.
Bhata para	2017-18	Kharif	Low yield of Brinjal due to fusarium wilt	Assessment of <i>Trichoderma</i> in fusarium wilt of Brinjal	Assessment	Disease Management/PLP	Brinjal	Midland/Irrigated	05	233.80	280.20	-	69072	93650	-	Use of <i>Trichoderma</i> as seed and Soil treatment to reduce the wilt incidence and increases yield in Brinjal.
Bhata para	2017-18	Kharif	Water logging, less production	Assessment of Broad bed planter for broad	Assessment	Farm Mechanization	Soybean	Upland/rainfed	05	9.56	16.85	-	15068	43563	-	

			in soybean	bed method of soybean cultivation												
Bhata para	2017-18	Rabi	Delay in sowing due to not availability of optimum field condition for preparation.	Assessment of Zero till seed cum fertilizer drill for line sowing of mustard.	Assessment	Farm Mechanization	Mustard	Lowland/Rainfed	05	9.75	11.90	-	21707	33041	-	
Bhata para	2017-18	Kharif	Yield losses in rainy season (kharif) due to weed infestation in Okra	Assessment of weed management in Okra	Assessment	Weed Management	Okra	Midland/Irrigated	05	96	116	-	63000	85500	-	Use of Oxyflourfen at 0.15 kg a.i./ha as pre emergence application within three days after sowing+one hand weeding on 30 days after sowing.
Bhata para	2017-18	Kharif	35 to 40 % yield loss due to disease incidence in tomato	Assessment of Hybrid cv. Arka Rakshak of Tomato	Assessment	Varietal evaluation	Tomato	Midland/Irrigated	05	699	802	-	255500	323720	-	Use of Hybrid cv. Arka Rakshak of Tomato high yielding and registrant to bacterial wilt, Leaf curl and Early blight.

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	Refined Practice , if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice , if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice , if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice , if any (T ₃)
Bhatapara	Assessment of Broad bed planter for broad bed method of soybean cultivation	No. of pods/plant	18	32	23650	24680	-	38718	68243	-	15068	43563	-	1.64	2.77	-
Bhatapara	Assessment of Zero till seed cum fertilizer	No. of siliquae per plant	204	247	21300	19450	-	43007	52941	-	21707	33041	-	2.02	2.70	-
Bhatapara	Assessment of weed management in Okra	No. of weeds/m ²	20.6	7.8	52000	62000	-	115200	147500	-	63200	85500	-	2.21	2.38	-
Bhatapara	Assessment of Hybrid cv. Arka Rakshak of Tomato	No. of fruits/plant	25.2	77.5	171000	180000	-	332025	403100	-	161025	223100	-	1.94	2.23	-
Bhatapara	Assessment of Chemicals against Sheath Blight & insect pests of Rice	Disease Severity	15.60	9.23	31374	30374	-	54419	61240	-	25600	32485	-	0.89	1.24	-
Bhatapara	Assessment of <i>Trichoderma</i> in fusarium	%Disease incidence	43.10	16.40	60100	52168	-	114800	132400	-	69072	93650	-	1.35	1.73	-

	wilt of Brinjal															
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2.3 Information about Home Science OFT: (For All Thematic Area)

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

2.4 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.4 (B) Economic Performance Home Science OFT: (For Income Genration)

KVK name	OFT Title	Performance Indicator / Parameter													
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs		BC ratio	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.4 (C) Economic Performance Home Science OFT: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.4(D) Economic Performance Home Science OFT: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.5 Feedback from KVK to Research System

Name of KVK	Feedback

3. Achievements of Frontline Demonstrations (FLD)

3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Bhatapara	Rice	Farm Mechanization	Demonstration of Tractor Drawn Seed cum fertilizer drill for line sowing of paddy	Farmers training, Field Day	5	12	5
	Rice	Farm Mechanization	FLD on tractor driven axial flow multi-crop thresher for paddy threshing	Farmers training, Field Day	5	12	5
	Rice	Disease Management	FLD on management of blast disease of Paddy var. Mahamaya	Farmers training, Field Day	5	12	5
	Wheat	Farm Mechanization	FLD on Zero till seed cum fertilizer drill for line sowing of wheat	Farmers training, Field Day	5	12	5
	Chickpea	Farm Mechanization	FLD on Seed cum fertilizer drill for line sowing of Chickpea	Farmers training, Field Day	5	12	5
	Chickpea	IPM	Demonstration on Integrated Pest Management in Gram Pod Borer	Farmers training, Field Day	5	12	5
	Cauliflower	Nutrient Mngement	Demonstration on foliar application of water soluble fertilizer on growth and yield of Cauliflower	Farmers training, Field Day	5	12	5

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

- *Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice, brinjal in place of egg plant etc.
- *Don't press enter key to navigate among col use arrow or tab key
- *don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under Demonstration.
- If crop has been not yet harvested, mark it * on that

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Bhatapara	2017-18	Kharif	Farm mechanization	SEED CUM FERTILIZER DRILL FOR LINE SOWING OF Rice	Rice	SEED CUM FERTILIZER DRILL	5	39.72	41.64	4.83	0	0	0	12	12
	2017-18	Kharif	Farm mechanization	TRACTOR DRIVEN AXIAL FLOW MULTI-CROP THRESHER FOR RICE THRESHING	Rice	AXIAL FLOW MULTI-CROP THRESHER	5	1.35	9.97	638.52	0	0	0	12	12
	2017-18	Rabi	Farm mechanization	ZERO TILL SEED CUM FERTILIZER DRILL FOR LINE SOWING OF WHEAT	Wheat	ZERO TILL SEED CUM FERTILIZER DRILL	5	25.63	20.15	9.83	0	0	0	13	13

	2017-18	Rabi	Farm mechanization	SEED CUM FERTILIZER DRILL FOR LINE SOWING OF CHICKPEA	Chickpea	SEED CUM FERTILIZER DRILL	5	10.58	15.55	46.98	0	0	0	13	13
	2017-18	Rabi	IDM	use of <i>Trichoderma</i> as seed treatment and Soil treatment to control wilt of chickpea..	Chickpea	Trichoderma	5	6.10	10.40	70.49	3	2	5	2	12
	2017-18	Rabi	Mushroom Production Technique	performance of Oyster mushroom variety Indira Sweta	Mushroom	Indira Sweta	5	2.45	3.15	28.57	0	0	12	0	12
	2017-18	Kharif	PGR	use of Plant Growth Regulator (PGR) to increase female flower and yield in Bitter Gourd	Bittergourd	PGR	5	185.2	220.1	18.9	0	0	0	10	10
	2017-18	Rabi	Nutrient Management	Demonstration on foliar application of water soluble fertilizer on growth and yield of Cauliflower.	Cauliflower	WSF (19:19:19)	1	475	655	37.8	0	0	0	05	05

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
	SEED CUM FERTILIZER DRILL FOR LINE SOWING OF Rice	Rice	No. of panicles m ⁻²	227	238	42250	34600	70702	74119	28452	39519	1.67	2.14
	TRACTOR DRIVEN AXIAL FLOW MULTI-CROP THRESHER FOR RICE THRESHING	Rice	Energy required for threshing one tonne of crop (kW h)	10	19	23875	18560	41803	45913	17928	27353	1.75	2.47
	ZERO TILL SEED CUM FERTILIZER DRILL FOR LINE SOWING OF WHEAT	Wheat	No. of panicles m ⁻²	162	178	23875	18560	41803	45913	17928	27353	1.75	2.47
	SEED CUM FERTILIZER DRILL FOR LINE SOWING OF CHICKPEA	Chickpea	No. of pods per plant	32	47	40270	50980	59777	87858	19507	36500	1.48	1.72

	use of <i>Trichoderma</i> as seed treatment and Soil treatment to control wilt of chickpea..	Chickpea	Disease incidence/sq.m.	6.40	10.36	20825	17825	48577	35852	12950	28780	2.10	2.60
	performance of Oyster mushroom variety Indira Sweta	Mushroom	Yield (kg/5 bags)	2.45	3.15	236	116	364	378	128	262	0.55	0.68
	use of Plant Growth Regulator (PGR) to increase female flower and yield in Bitter Gourd	Bittergourd	No. of fruits / plant	39.2	62.3	80200	84800	203720	286110	123520	201310	2.50	3.37
	Demonstration on foliar application of water soluble fertilizer on growth and yield of Cauliflower.	Cauliflower	Curd weight(g)	575	701	85000	92000	458500	320325	235625	366500	3.77	4.89

3.4 Information about Home Science FLDs - (For All Thematic Area0029

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Bhata para	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.5 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Bhatapara	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.5 (B) Economic Performance Home Science FLD: (For Income Genration)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Bhatapara	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.5 (C) Economic Performance Home Science FLD: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Bhatapara	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.5 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Bhatapara	2017-18	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bhatapara	Rice	FW training, Field day	FW training, Field day	55	

Bhatapara	Wheat	FW training	FW training, Field day	45	
Bhatapara	Chickpea	FW training	FW training, Field day	60	
Bhatapara	Mushroom	FW training	FW training, Field day	25	
Bhatapara	Bittergourd	FW training	FW training, Field day	35	
Bhatapara	Cauliflower	FW training	FW training, Field day	45	

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Bhatapara	NIL	NIL	NIL	NIL	NIL

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Bhatapara	IS (Monthly Workshop)	Group discussion and survey	KVK, Bhatapara	30-35 Agril. Extension Officers in each Training.

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only,
2. For category, training type and thematic area, mention code/abbreviations only

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Bhatapara	FW	OFC	AEG	Use of tractor drawn mould board plough for primary tillage	1	1	-	-	5	-	15	-	17	-
Bhatapara	FW	OFC	AEG	Use of tractor drawn rotavator for seed bed preparation	1	2	15	-	-	-	5	-	-	-
Bhatapara	FW	OFC	AEG	Digging of pits by tractor mounted post-hole digger.	1	1	17	-	-	-	3	-	-	-
Bhatapara	FW	OFC	AEG	Spraying by power sprayer in mango orchard	1	1	15	-	-	-	-	-	12	-
Bhatapara	FW	OFC	AEG	Use of power weeder in banana orchard	1	1	10	-	5	-	5	-	-	-
Bhatapara	FW	OFC	AEG	In-line drip irrigation system for onion.	1	1	2	-	3	-	10	-	10	-
Bhatapara	FW	OFC	AEG	Construction of low-cost onion storage structure	1	1	3	-	12	-	15	-	-	-
Bhatapara	FW	OFC	AEG	Use of tractor drawn zero-till drill for sowing of green gram	1	2	5	-	-	-	15	-	-	-
Bhatapara	FW	OFC	AEG	Use of tractor drawn multi-crop planter for line sowing of ground nut	1	2	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	AEG	Use of tractor drawn seed cum fertilizer drill for dry seeding of upland paddy	1	1	5	-	10	-	-	-	14	0
Bhatapara	FW	ONC	HOV	Post harvest management of Horticultural crops	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	ONC	HOF	Management of fruit orchards	1	1	4	-	8	-	13	-	-	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Bhatapara	FW	ONC	HOP	Orchard establishment technique	1	1	10	-	5	-	13	-	-	-
Bhatapara	FW	ONC	HOV	Nursery raising in Vegetable	1	1	-	10	-	-	-	5		5
Bhatapara	FW	ONC	HOV	Weed management in Vegetables	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	ONC	PLP	Judicious use of pesticide in vegetables	1	1	7	-	5	-	8	-	12	-
Bhatapara	FW	OFC	HOV	Nursery plant production techniques	1	1	10	-	5	-	5	-	-	-
Bhatapara	FW	ONC	OTH	Low cost storage techniques in vegetable	1	1	-	-	-	-	-	10	-	10
Bhatapara	FW	ONC	HOV	Low cost storage technique of Horticultural crops	1	1	7	-	5	-	8	-	10	-
Bhatapara	FW	OFC	HOV	Production technique of Rabi vegetable crops	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	HOV	Water management in vegetables	1	1	8	-	6	-	6	-	10	-
Bhatapara	FW	OFC	PLP	Management of rice disease	1	1	3	-	7	-	10	-	10	-
Bhatapara	FW	OFC	PLP	Identification of rice insect & their control	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	PLP	Insect pest management in kharif crops	1	1	7	-	5	-	8	-	12	-
Bhatapara	FW	OFC	PLP	Making of Trichoderma viride	1	1	4	-	8	-	13	-	-	-
Bhatapara	FW	OFC	PLP	Disease management in vegetable crops	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	PLP	Insect pest management in rabi crops	1	1	3	-	7	-	10	-	18	-
Bhatapara	FW	OFC	PLP	Mushroom production	1	1	-	-	-	10	-	10	-	-
Bhatapara	FW	OFC	PLP	Disease management in pulse crops	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	PLP	Disease management in oilseed crops	1	1	9	-	4	-	7	-	12	-
Bhatapara	FW	OFC	SFM	Integrated Nutrient Management in Rice	1	1	4	-	8	-	13	-	-	-
Bhatapara	FW	OFC	SFM	Integrated Nutrient Management in Soybean	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	SFM	Importance of Soil Testing	1	1	7	-	5	-	8	-	10	-
Bhatapara	FW	OFC	SFM	Method of Soil Sampling	1	1	3	-	7	-	10	-	12	-
Bhatapara	FW	OFC	SFM	Soil test based fertilizer recommendation	1	1	10	-	5	-	15	-	-	-
Bhatapara	FW	OFC	SFM	Importance of micronutrient and its management	1	1	9	-	14	-	17	-	12	-
Bhatapara	FW	OFC	SFM	Bio fertilizer application methods	1	1	4	-	8	-	13	-	-	-
Bhatapara	FW	OFC	SFM	Integrated Nutrient Management in Wheat	1	1	4	-	7	-	14	-	10	
Bhatapara	FW	OFC	SFM	Integrated Nutrient Management in Chickpea	1	1	10	-	5	-	15	-	-	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Bhatapara	FW	OFC	CRP	SRI method of rice cultivation	1	1	8	-	13	-	19	-	12	-
Bhatapara	FW	OFC	CRP	Scientific method of Pigeon pea cultivation	1	1	7	-	5	-	8	-	14	-
Bhatapara	FW	OFC	CRP	Scientific method of Chickpea cultivation	1	1	4	-	8	-	13	-	-	-
Bhatapara	FW	OFC	CRP	Scientific method of Wheat cultivation	1	1	10	-	15	-	15	-	-	-

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Bhatapara	Nursery raising of fruits and vegetables	Nursery	Income generation	6	5	-	4	-	-	5	7	-
Bhatapara	Commercial cultivation of aeromatic rice	Rice	Crop production	6	4	-	2	-	1	-	18	-
Bhatapara	Gardener training	Fruits and vegetables	Income generation	6	7	-	2	-	2	-	9	-

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Bhatapara	Nil	Nil	Nil	Nil	Nil

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Bhatapara	Organic Farming	Soil health management		FW	1	1	25	-	12	-	3	-	5	-	ATMA	-
Bhatapara	Protected cultivation	Income generation		FW	1	1	6	-	8	-	12	-	9	-	ATMA	-
Bhatapara	Organic Farming	Soil health management		FW	1	1	16	-	8	-	6	-	15	-	ATMA	-
Bhatapara	Integrated Nutrient Management	INM		FW	1	1	25	-	12	-	3	-	5	-	ATMA	-
Bhatapara	Organic Farming	Soil health management		FW	1	1	16	-	8	-	6	-	15	-	ATMA	-
Bhatapara	Crop production technology of rice	Crop production		FW	1	1	10	-	12	-	8	-	10	5	ATMA	-
Bhatapara	Plant Protection Technology of Rice	IDM		FW	1	1	18	-	8	4	8	-	7	3	ATMA	-
Bhatapara	Nursery Management	Income generation		FW	1	1	25	7	8	5	15	-	10	-	ATMA	-
Bhatapara	Organic Farming	Soil health management		FW	1	1	25	-	12	-	3	-	5	-	ATMA	-

Table 5.5 Training Programmes for Panchayati raj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income	
			Before	After	Before	After	Before	After		

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials				
				M	F	M	F	M	F	Purpose	Topics	Crop Stages
	Advisory Services	40	28	39100	25789	55572	24561	245	18			
	Agri mobile clinic	-	-	-	-	-	-	-	-			
	Animal Health Camp	-	-	-	-	-	-	-	-			
	Awareness programme	-	02	327	150	278	130	12	03			
	Celebration of important days	-	05	389	108	387	210	5	01			
	Diagnostic visits	50	65	28	02	25	10	4	1			
	Exhibition	-	-	-	-	-	-	-	-			
	Exposure visits	-	04	427	-	210	-	-	-			
	Extension Literature	-	-	-	-	-	-	-	-			
	Ex-trainees Sammelan	-	-	-	-	-	-	-	-			
	Farm advisory Services	-	-	-	-	-	-	-	-			
	Farm Science Club conveners meet	-	-	-	-	-	-	-	-			
	Farmers Seminar/Workshop	-	-	-	-	-	-	-	-			
	Farmers visit to KVK	500	3600	1635	443	935	588	-	-			
	Field Day	08	08	74	11	21	15	03	01			
	Film Show	-	06	Mass	mass	mass	mass	mass	mass			
	Group meetings	-	-	-	-	-	-	-	-			
	Interface	-	-	-	-	-	-	-	-			
	Kharif Sammelan	-	-	-	-	-	-	-	-			
	Kisan Ghosthi	02	03	175	15	28	07	03	01			
	Kisan Mela	02	03	837	411	495	395	36	04			
	Krishi Gyan Doot meet	-	-	-	-	-	-	-	-			
	Krishi Mahotsav	-	-	-	-	-	-	-	-			
	Lectures delivered as resource persons	-	-	-	-	-	-	-	-			
	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-			
	Method Demonstrations	-	-	-	-	-	-	-	-			
	Newspaper coverage	10	28	Mass	mass	mass	mass	mass	mass			
	Popular articles	-	-	-	-	-	-	-	-			
	Pradhanmantri phasal bema yojana	-	-	-	-	-	-	-	-			
	Radio talks	-	-	-	-	-	-	-	-			

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
	Scientific visit to farmers field	30	36	30	01	11	02	2	1			
	Self Help Group conveners meetings	-	-	-	-	-	-	-	-			
	Soil health Camp	01	01	303	175	235	58	35	04			
	Soil test campaigns	-	-	-	-	-	-	-	-			
	Summer deep ploughing	-	05	-	-	05	-	-	-			
	Technology Week	-	-	-	-	-	-	-	-			
	TV talks	-	-	-	-	-	-	-	-			
	Workshop	-	11	191	01	105	03	-	-			
	Others	-	-	-	-	-	-	-	-			

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Bhatapara	No. (April-June, 2017)	Quarterly	500	500
Bhatapara	No. (July-September, 2017)	Quarterly	500	500
Bhatapara	No. (October-December, 2017)	Quarterly	500	500
Bhatapara	No. (January-March, 2018)	Quarterly	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Bhatapara	Extension folder	Mustard Production Technology	Dr. Angad Singh Rajput	
Bhatapara	Extension folder	Cowpea Production Technology	Dr. Angad Singh Rajput	
Bhatapara	Extension folder	Postharvest Management	Savita rajput	
Bhatapara	Extension folder	Production technology of leafy vegetable	Savita rajput	
Bhatapara	Extension folder	Vermicomposting	Savita rajput	
Bhatapara	Extension folder	Sulphur management in mustard	Pradeep Kumar	
Bhatapara	Extension folder	Importance of soil testing	Pradeep Kumar	
Bhatapara	Extension folder	Disease management in mustard	Deepmala Kindo	
Bhatapara	Extension folder	Insect management in mustard	Deepmala Kindo	

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Bhatapara	Nil	Nil	Nil

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Bhataparaa	Pulses	Pigeon pea	Rajeev Lochan	22.00	-	-	2.00
		Rice	Maheshwari	21.00	-	-	1.00
		Soybean	JS-9752	6.97	-	-	2.00
		Chickpea	JG-14		-	-	2.00
		Field pea	Paras		-	-	0.40
		Wheat	GW-366		-	-	0.40
			MP-1203		-	-	0.40
		Linseed	Indira Alsi		-	-	
		Pigeonpea	Rajeev Lochan	150	-	-	35.98
		Field pea	Paras	70	-	-	14.8
		Chickpea	JG-14	200	-	-	36.8
		Lathyrus	Prateek	73	-	-	06

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Bhatapara		Papaya	Red Lady	1000	20/-	800	
Bhatapara		Drumstick	PKM-1	1000	20/-	700	
Bhatapara	Vegetable	Cauliflower	Pusa Kartik	5000	1/-	50	
Bhatapara	Vegetable	Tomato	Arka Rakshak	10000	1/-	70	
	Vegetable	Cabbage	Golden Acre	5000	1/-	50	
	Vegetable	Knolkhol	White Viana	5000	1/-	50	

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Bhatapara	Bio Agents						
Bhatapara	Bio Agents						
Bhatapara	Bio Fertilizer	Vermicompost	5000		10/- per kg		
Bhatapara	Bio Fertilizer						

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Bhatapara	NIL	NIL	NIL	NIL	NIL	NIL

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Bhatapara	Working	2014	-	165	185	15	-	185

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers Bhatapara(Nos)
Bhatapara	Working	2014	-	NIL	-	-	-	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Bhatapara	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

11. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)
Bhatapara	-	2016-17	*Used for DKSCARS, Bhatapara	-	-	-	-	-

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Bhatapara	-	-	-	-	-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bhatapara	20.07.2017	60	

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Number of villages covered	Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.			
Bhatapara	28	145700	177	All 954 villages of the district	M Kisan	

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Bhatapara	Nil	Nil	Nil	Nil	Nil	Nil

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Balodabazar-Bhatapara	10721612251	222803		23414

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Bhatapara	Nil	Nil	Nil	Nil

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S.No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)
1.	Balodabazar-Bhatapara	YES	DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Balodabazar-Bhatapara	Crop Cafeteria	Kharif Crop Cafeteria-2016-17 <ol style="list-style-type: none"> Demonstration of thirty improved variety of Rice- swarna,mahamaya,Sonamasuri, Chandrahasini, Purnima and MTU-1010 Demonstration of Seven varieties of colocasia- Indira Arbi-1, IGSCOL-K10-2, IGSCOL-BL-12-1, White Growing, IGSCOL-K10-1, IGSCOL-E-6, IGSCOL-JS-12-1 Rabi Crop Cafeteria-2016-17 <ol style="list-style-type: none"> Demonstration of Eleven varieties of Wheat – MP-1203,HI-1544,CG-3,CG-04,GW- 23,CG-1023,MP-1215,Ratan,GW-273 ,GW-366 Demonstration of eighth Varieties of Chickpea – JAKI, JG-14,JG-130, JG-226,Indira chana,RJ-2009-16,
Balodabazar-Bhatapara	Technology Desk	Available in KVK
Balodabazar-Bhatapara	Visitors Gallery	

Balodabazar-Bhatapara	Technology Exhibition	Developed at KVK
Balodabazar-Bhatapara	Technology Gate-Valve	1) Zero tillage 2) Utera wheat 3) Rabi arhar 4) Green Shed Net House 5) Integrated Pest Management (IPM) 6) Integrated Nutrient Management (INM) 7) Kitchen Garden 8) Fruit Plantation 9) Azola unit 10) Vermi Composting unit

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
01	Bhatapara	Patiram Jaiswal	Fruits and vegetable cultivation in rice bunds	Village-Kote, Block Kasdol, District-Balodabazar-Bhatapara, Mob. No.9425512707

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
01	Nil	Nil

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Balodabazar-Bhatapara	03	06	09	954

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
01	Nil	Nil	Nil	Nil

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
01	Mahasamund	-	-
02	Kawardha	-	-

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Bhatapara	Dr. Anupam Mishra	12.10.2018	01			
Bhatapara	Mohd. Usman	07.02.2018	01			
Bhatapara	Dr. S.K. Patil	15.02.2018		01		
Bhatapara	Dr. S.K.Jha	13.04.2017				
Bhatapara	Dr. S.S.Rao	15.02.2018		01		
Bhatapara	Dr. S.S. Senger	10.11.17, 29.11.2017 30.03.18,				
Bhatapara	Dr. Aashana	19.09.2017		01		
Bhatapara	Dr. M.K.Singh	02.02.18		01		
Bhatapara	Dr. Johnson	02.02.18		01		
Bhatapara	Dr. N.K. Rastogi	19.09.2017, 30.03.18		01		
Bhatapara	Dr. Deepak Gauraha	19.09.2017, 30.03.18		01		
Bhatapara	Dr. Anil Kostasthane	28.09.17				
Bhatapara	Dr.Divya Sahare	25.01.2018		01	01	
Bhatapara	Dr. Shivratan Sharma	28.08.17,			01	
Bhatapara	Smt. Poonam Markandey	05.12.17, 15.10.2017			01	
Bhatapara	Shri Ashwani Sharma	05.12.17			01	
Bhatapara	Smt. Bharti Verma	05.12.17, 15.10.2017			01	
Bhatapara	Shri Paras Dewangan	05.12.17			01	

Bhatapara	Shri Amar Mandavi	19.09.2017, 05.12.17, 30.03.18,			01	
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25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Balodabazar-Bhatapara	01.06.2014	06	1298

26. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
	Nil	Nil	Nil	Nil	Nil	Nil	Nil

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
01	Balodabazar-Bhatapara	Nil	Nil	

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
01	Balodabazar-Bhatapara	Nil	Nil	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Bhatapara	Dr. A.S.Rajput	Senior Scientist & Head	07	
Bhatapara	Shri P.D.Verma	SMS (Agriculture Engg.)	03	
Bhatapara	Smt. Deepkala Thakur	Programme Asstt.	02	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Bhatapara	03	12

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Bhatapara	Dr. A.S.Rajput	Senior Scientist & Head	13	
Bhatapara	Smt. Savita Rajput	SMS (Horticulture)	01	
Bhatapara	Shri P.D.Verma	SMS (Agriculture Engg.)	03	
Bhatapara	Smt. Deepmala Kindo	SMS (Plant Pathology)	04	
Bhatapara	Smt. Deepkala Thakur	Programme Asstt.	02	
TOTAL	23			

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Bhatapara	05	23

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Bhatapara	Nil	Nil	Nil	Nil

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Bhatapara	-	-	-

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Bhatapara	Gosthies	03	450	
Bhatapara	Lectures organised	09	mass	
Bhatapara	Exhibition	03	mass	
Bhatapara	Film show	01	1160	
Bhatapara	Fair	06	4619	
Bhatapara	Farm Visit	3600	3600	
Bhatapara	Diagnostic Practicals	02	114	Varietal Evaluation
Bhatapara	Distribution of Literature (No.)	05	560	
Bhatapara	Distribution of Seed (q)			
Bhatapara	Distribution of Planting materials (No.)	1720		
Bhatapara	Bio Product distribution (Kg)	-	-	
Bhatapara	Bio Fertilizers (q)	60.00	52	
Bhatapara	Distribution of fingerlings	-	-	
Bhatapara	Distribution of Livestock specimen (No.)	-	-	
Bhatapara	Total number of farmers visited the technology week	3600	3600	
Bhatapara	Animal health camp	-	-	
Bhatapara	Awareness programme	-	-	
Bhatapara	Cashless Transaction Week	-	-	
Bhatapara	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	05	1958	
Bhatapara	Demonstration	08	89	
Bhatapara	Exposure visit	03	137	
Bhatapara	Extension activity			
Bhatapara	Ex-trainees Meet	-	-	
Bhatapara	Farmer scientist interaction	02	293	
Bhatapara	Farmers Training	54	1245	

Bhatapara	Field Day	08	121	
Bhatapara	Field visit	28	28	
Bhatapara	Gajarghans Unmulan Pakhwada	01	125	
Bhatapara	Group Meeting	-	-	
Bhatapara	Hindi diwas pakhwada	-	-	
Bhatapara	Jai Kisan Jai Vigyan Sangoshthi	-	-	
Bhatapara	Narmada sewa Yatra	-	-	
Bhatapara	News Paper/Mass Media	28	mass	
Bhatapara	Plant health camp			
Bhatapara	Plant Protection Week	-	-	
Bhatapara	Scientists visits in farmers field	30	31	
Bhatapara	Seed treatment campaign			
Bhatapara	Self Help Group convener meet	-	-	
Bhatapara	Soil health Camp	01	781	
Bhatapara	Swachha Bharat Abhiyan	05	1013	
Bhatapara	Technology Week	-	-	
Bhatapara	Van Mahotsava	-	-	
Bhatapara	Others (Pl. Specify)	-	-	

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Bhatapara	Nil	Nil	Nil

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Bhatapara	NIL	NIL	NIL

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Bhatapara	NIL	NIL	NIL

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Bhatapara	NIL	NIL	NIL	NIL

Seedlings and Saplings distributed

Name of KVK		Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
		Seedlings			
Bhatapara	Cauliflower	Vegetable	5000	50	
Bhatapara	Tomato	Vegetable	10000	70	
Bhatapara	Cabbage	Vegetable	5000	50	
Bhatapara	Knolkhol	Vegetable	5000	50	

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Bhatapara	Trichoderma	11.0	50	111

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Bhatapara	Rhizobium and PSB	6qt	50	111

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Bhatapara	Vermicompost	50	10/- per kg	52

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Bhatapara	Broad bed and furrow method of soybean cultivation	15	50

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Bhatapara	-	-	03	450	08	121	06	4619	03	mass	01	1160

35. Proposal of NICRA

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
DSR	Paddy	4	41.64	4.83	10
Zero tillage	Wheat	4	28.15	9.83	10
Zero tillage	Mustard	2	11.90	22.05	5
Line sowing with seed drill	Chickpea	2	15.55	46.98	5

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Field Day	70	30	3	103
Krishak Sangosthi	150	60	5	215
Animal Health Camp	70	30	10	110
Exposure Visits	200	50	6	256

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farm Mechanization	20	10	2	32
Integrated Weed Management	20	10	2	32
Integrated Pest Management	20	10	2	32
Mushroom Cultivation	20	10	2	32
Livestock and Fisheries	20	10	2	32
Employment Generation	20	10	2	32
NRM	20	10	2	32

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
Dr. Mohammed Osman	Principal Scientist (Agronomy)	7.02.2018	

7. Feedback of Farmers for future improvement, if any.**36. Proposed works under NAIP (in NAIP monitoring format)****37. Case study / Success Story to be developed –****Two best only in the following format****Name of the KVK , TITLE, Introduction, KVK intervention, Output, Outcome, Impact, 2-3 Photographs with caption in .jpeg format.**

Sr. no.	Name of KVK	No. of success stories	No. of case studies

38. Well labeled Photographs in .jpeg format for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) –



Assessment of weed management in Okra



Assessment of Hybrid cv. Arka Rakshak of Tomato



ASSESSMENT OF SEED CUM FERTILIZER DRILL FOR LINE SOWING OF PADDY



Assessment of Broad bed planter for broad bed method of soybean cultivation



Assessment of Zero till seed cum fertilizer drill for line sowing of mustard.



Assessment of Chemicals against Sheath Blight & insect pests of Rice



Assessment of *Trichoderma* in fusarium wilt of Brinjal

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