

# ANNUAL PROGRESS REPORT

# 2018-19

**KVK BEMETARA (C.G.) IN Zone-IX**



**Krishi Vigyan Kendra, Bemetara (C.G.)**



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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 like Blackgram, pigeon pea, sesame, horsegram, greengram, pearl millet, etc. (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format mentioning “Additional Information”**
- 9. 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.**
- 10. Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1<sup>st</sup> April, 2019 to 31<sup>st</sup> March 2020 in the relevant tables as format is common for AAP & APR.**
- 11. Any other activities proposed not mentioned in this format may be incorporated in the last page with certain specification.**

## PERIOD – April 2018 to March, 2019

### Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers / beneficiaries	Number of activity	No. of farmers / beneficiaries	
Bemetara	OFTs	8	34	10	44	
Bemetara	FLDs – Oilseeds (activity in ha)	NIL	NIL	NIL	NIL	NIL
Bemetara	FLDs – Pulses (activity in ha)	2	180	2	158	
Bemetara	FLDs – Cotton (activity in ha)	NIL	NIL	NIL	NIL	NIL
Bemetara	FLDs – Other than Oilseed and pulse crops(activity in ha)	NIL	NIL	NIL	NIL	NIL
Bemetara	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	NIL	NIL	NIL	NIL	NIL
Bemetara	Training-Farmers and farm women	77	1680	41	1139	NIL
Bemetara	Training-Rural youths	20	400	07	328	NIL
Bemetara	Training- Extension functionaries	07	175	2	80	NIL
Bemetara	Extension Activities	02	180	NIL	NIL	NIL
Bemetara	Seed Production (Number of activity as seeds in quintal)	NIL	NIL	NIL	NIL	NIL
Bemetara	Planting material ((Number of activity as quantity of planting material in quintal)	100	300	100	300	NIL
Bemetara	Seedling Production (Number of activity as number of seedlings in numbers)	NIL	NIL	NIL	NIL	NIL
Bemetara	Sapling Production (Number of activity as number of sapling in numbers)	NIL	NIL	NIL	NIL	NIL
Bemetara	Other Bio- products (No. of quantity)	NIL	NIL	NIL	NIL	NIL
Bemetara	Live stock products	NIL	NIL	NIL	NIL	NIL
Bemetara	Activities of Soil and Water Testing Laboratory	NIL	NIL	NIL	NIL	NIL
Bemetara	Rainwater Harvesting System	NIL	NIL	NIL	NIL	NIL
Bemetara	Kisan Mobile Advisory (KVK-KMA)	1000	2500	60	79424	NIL
Bemetara	SAC Meeting (Date & no. of core/ official members)	1	35	1	54	NIL
Bemetara	Literature to be Developed/Published	50	1000	45	800	NIL
Bemetara	Convergence programmes / Sponsored programmes	NIL	NIL	NIL	NIL	NIL

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers / beneficiaries	Number of activity	No. of farmers / beneficiaries	
Bemetara	Utilization of Farmers Hostel	NIL	NIL	NIL	NIL	NIL
Bemetara	Utilization of Staff Quarters	NIL	NIL	NIL	NIL	NIL
Bemetara	Details of KVK Agro-technological Park	2	200	2	180	NIL
Bemetara	Crop Cafeteria-	30	350	26	220	NIL
Bemetara	Farm Innovators- list of 10 farm innovators from the District	2	10	2	10	NIL
Bemetara	Status of Revolving Funds	NIL	NIL	NIL	NIL	1,69,408.00
Bemetara	Awards and Recognitions	NIL	NIL	1	1	NIL
Bemetara	Case study / Success Story to be developed	1	2	1	4	NIL
Bemetara	KVK Progressive Farmers interaction	1	30	1	39	NIL
Bemetara	Outreach of KVK in the District (No. of blocks, no. of villages)	4	300	3	350	NIL
Bemetara	Technology Demonstration under Tribal Sub Plan	NIL	NIL	NIL	NIL	NIL
Bemetara	KVK Ring	1	60	1	54	NIL
Bemetara	Important visitors to KVK	5	30	8	16	NIL
Bemetara	Status of KVK Website	20	2000	23	4590	NIL
Bemetara	Status of RTI	NIL	NIL	NIL	NIL	NIL
Bemetara	E-connectivity	NIL	NIL	NIL	NIL	NIL
Bemetara	Details of Technology Week Celebrations	150	2000	190	4123	NIL
Bemetara	Interventions on Drought Mitigation	NIL	NIL	NIL	NIL	NIL
Bemetara	Proposal of NAIP	NIL	NIL	NIL	NIL	NIL
Bemetara	Proposal of NICRA	NIL	NIL	NIL	NIL	NIL
Bemetara	Well labeled photographs	-	-	-	-	NIL
Bemetara	Other Activities	NIL	NIL	NIL	NIL	NIL

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the Incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Bemetara	Senior Scientist & Head	Dr. C.R. Netam	Agronomy	Ph. D.	Agronomy	8000-13500	13650	31/03/2017	Temporary	ST
	Subject Matter Specialist 1	Shri Ranjeet Kumar Modi	Entomology	MSc. (Ag)	Entomology	15600-39100 AGP-5400	21000	15/05/2017	Temporary	GEN
	Subject Matter Specialist 2	Er. Jitendra Kumar Joshi	Form Machinery and Power Engineering	M. Tech.	Form Machinery and Power Engineering	15600-39100 AGP-5400	21000	05/10/2018	Temporary	SC
	Subject Matter Specialist 3	Dr. (Mrs.) Pragya Panday	Agronomy	Ph. D	Agronomy	15600-39100 AGP-5400	21000	26/10/2018	Temporary	GEN
	Subject Matter Specialist 4	Dr. (Mrs.) Vedhika Sahu	Soil Science & Agricultural Chemistry	Ph. D	Soil Science & Agricultural Chemistry	15600-39100 AGP-5400	21000	06/10/2018	Temporary	OBC
	Subject Matter Specialist 5	Dr. Chetna Banjare	Horticulture	Ph. D	Horticulture	15600-39100 AGP-5400	21000	06/10/2018	Temporary	SC
	Subject Matter Specialist 6	Vacant	-	-	-	-	-	-	-	-
	Programme Assistant	Shri Shiv Kumar Sinha	Pro. Assi. (Com. )	M.A.	Pro. Assi. (Com. )	9300-34800 AGP- 4200	13500	03/05/2017	Temporary	OBC
	Farm Manager	Vacant	-	-	-	-	-	-	-	-
	Computer Programmer	Vacant	-	-	-	-	-	-	-	-
	Accountant / superintendent	Shri Chaitram Sahu	AG-I	12 <sup>th</sup>	-	5200-20200 AGP- 2800	10780	04/09/2017	Temporary	OBC
	Stenographer	Vacant	-	-	-	-	-	-	-	-
	Driver	Shri Panchu Ram Yadav	Driver	12 <sup>th</sup>	-	5200-20200 AGP- 1900	7100	11/05/2017	Temporary	OBC
	Driver	Vacant	-	-	-	-	-	-	-	-
	Supporting staff	Vacant	-	-	-	-	-	-	-	-
Supporting staff	Vacant	-	-	-	-	-	-	-	-	

## 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 Population	ST Population	Nu. of farmers	Average land Holding
Bemetara	Plain	04	175	795759	70.58	144022	37185	186939	5 ha.

## 1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2017 to 31.3.2019 (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)
Bemetara	Jhal	2017	Bemetara	12	3300	638

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

KVK Name	THRUST AREA
Bemetara	Developing farm management skills
Bemetara	Empowerment of farm women and rural youth with skill enhancement
Bemetara	Enhancing productivity of horticultural crops thorough crop diversification.
Bemetara	Improvement of soil health though popularization of Organic Farming.
Bemetara	Integrated Nutrient management in food and fruit crops.
Bemetara	Market led extension
Bemetara	Planting Pattern of Vegetables & Commercial Crops
Bemetara	Popularizing of High Yielding varieties of Cereals, Oilseed, Pulses and vegetables
Bemetara	Quality seed production programme. Direct seeding technology, laser levelling, use of paddy transplanted and zero/minimum till in rice-wheat/mustard cropping sequence
Bemetara	Scientific Livestock Management with appropriate feeding, breeding and health management practices.
Bemetara	Improved farm machineries/implements for conservation perspective.

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Bemetara	Imbalance use of fertilizer	During group discussion with formers & visit	Rajkudi, Rampur, Raurpur, Raweli, Sanakpar, Sanakpat, Sanwatpur, Sarangpur, Semariya, Sendri Singhanpuri. Singpur
Bemetara	Incidence of fruit borer in Tomato and infestation of Leaf curl virus in tomato.	During group discussion with formers	NavagarhRajkudi, Rampur, Raurpur, Raweli, Sanakpar, Sanakpat, Sanwatpur, Sarangpur, Semariya, Sendri Singhanpuri. Singpur
Bemetara	No Use of improves implements	During group discussion with formers & visit	Lolesara,Madai,Majgaon, Marjadpur, Marka, Martara, Matka, Mau Modhe Moharenga Mohlai
Bemetara	Poor yield due to local seed and planting material	During group discussion with formers & visit	Amlidih ,Amora, Andu, Arjuni, Atariya, Bahera Jhal , Berla, Saaja, Lolesara,Madai,Majgaon, Marjadpur, Marka, Martara, Matka, Mau Modhe Moharenga Mohlai
Bemetara	Poor yield in Soybean due to severe incidence of Girdle beetle and infestation of Tobacco Cater pillar.	During group discussion with formers	Amlidih ,Amora, Andu, Arjuni, Atariya, Bahera Jhal , Berla, Saaja, Lolesara,Madai,Majgaon, Marjadpur, Marka, Martara, Matka, Mau Modhe Moharenga Mohlai
Bemetara	Poor yield in Soybean due to severe weed problem.	During group discussion with formers	Lolesara,Madai,Majgaon, Marjadpur, Marka, Martara, Matka, Mau Modhe Moharenga Mohlai
Bemetara	Un employment of rural youth and women	During group discussion with formers & visit	Amlidih ,Amora, Andu, Arjuni, Atariya, Bahera Jhal , Berla, Saaja, Lolesara,Madai,Majgaon, Marjadpur, Marka, Martara, Matka, Mau Modhe Moharenga Mohlai



## 2. On Farm Testing

### Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
<b>OFT/FLD on Crops</b>	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant
Integrated Farming system	Disease incidence %
Integrated Disease Management	No of effective tillers/hill
Integrated Nutrient Management	Rhizome wt/Plant(g)
Integrated Weed Management	No of weeds/m <sup>2</sup>
Varietal Evaluation	Fruit wt(g)
Integrated Pest Management	No of Fruits/plant
Integrated Plant Nutrient Management	Fruit Length(cm)
Feed and Fodder Production	No of nodules/plant
Resource conservation Technology	% Insectitation
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m <sup>2</sup>
	No of Panicles/m <sup>2</sup>
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
<b>OFT/FLD on Agriculture Engineering</b>	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m <sup>2</sup>
	tillers/plant
	water inefficiency
	irrigation efficiency

<b>OFT/FLD on Animal Science</b>	
<b>Animal Feed / Fodder Management</b>	<b>Milk yield (Lit/day/animal)</b>
<b>Animal Disease Management</b>	<b>change in body weight(kg)</b>
<b>Animal Nutrition Management</b>	<b>Egg Production/bird/year</b>
<b>Livestock production &amp; management</b>	<b>% decrease in Worm</b>
<b>Animal breed evaluation</b>	<b>Parasite control (%)</b>
<b>Poultry Production and management</b>	<b>Body weight at 12 month (kg/goat)</b>
	<b>Parasite occurrence (%)</b>
	<b>Live weight (kg/bird) at 12th Month</b>
	<b>Growth Rate (90 days)</b>
	<b>Yield q/ha (Fodder)</b>
	<b>Mortality %</b>
	<b>Feed intake</b>
	<b>% Disease infestation</b>
<b>OFT/FLD on Fisheries</b>	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

## 2.1 Details of OFT on Crops

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	
Bemetara	2018	Kharif	application of pesticide reduce the profit share in rice	Varietal Assessment of Indian bean- Indira Sem -1, Indira Sem-2	Assessment	T1 - Use of Deshi Sem No stacking	T2- Indira Sem -1	T3- Indira Sem -2 with full package of practices under ridge and furrow system with stacking.	Varietal Evaluation	Crop	Irrigated	Farmer	5	No. of pod per Inflor escence=10 Yield (q ha <sup>-1</sup> ) = 85.21	No. of pod per Inflor escence=16 Yield (q ha <sup>-1</sup> ) = 115.24	No. of pod per Inflor escence = 14 Yield (q ha <sup>-1</sup> ) = 109.98	348.76.0	575.67.0	524.89.0	Use of Indira Sem - 1 and Indira Sem – 2 cultivation with Stacking under rainfed situation appropriate for enhancing the yield.
Bemetara	2018	Kharif	Low yield due to indiscriminate variety & poor management practices	Varietal Assessment of Cowpea- Kashi Kanchan	Assessment	T1- Local Variety with Farmer's Practice	Cultivation of Improved variety- T2- Kashi Kanchan		Varietal Evaluation	Crop	Irrigated	Farmer	5	pod per Inflor escence= 18.13 Yield (q ha <sup>-1</sup> ) = 32.20 B:C ratio = 2.10	pod per Inflor escence = 29.08 Yield (q ha <sup>-1</sup> ) = 43.18 B:C ratio = 3.24		304.87.0	683.24.0		Use of Kashi Kanchan this is dwarf and bush type Variety with Stacking under rainfed situation appropriate for enhancing the yield.
Bemetara	2018-19	Rabi	Yield loss in chickpea due to lower row to row spacing	Enhancement of chickpea yield through Wider row to row spacing.	Assessment	Farmer's practice	Scientific practice with 45 cm row to row spacing with full package and practice	-	Integrated Crop Management	Crop	Irrigated	Farmers	4	Avg. Pods per plant = 65, Avg. Yield q/ha = 8.5, B:C	Avg. Pods per plant = 150, Yield q/ha = 11.75, B:C	-	131.50	278.25	-	Wider row spacing in chickpea leads to better vegetative growth

														ratio = 0.65	ratio = 1.54					as well as yield.
Bemetara	2018-19	Rabi	Unawareness of use of nitrogen fixing bacterial culture in wheat crop	Seed treatment of Wheat with Azotobactor	Assessment	Farmer's practice	Seed treatment with fungicide + Azotobactor		Integrated Plant Nutrient Management	Crop	Irrigated		4	TEST WIEG HT =40.58 gm Avg. Yield q/ha = 20, B:C ratio = 1.27	TEST WIEG HT =48.59 gm Avg. Yield q/ha = 25, B:C ratio = 1.81			190000	274000	Completed
Bemetara	2018-19	Rabi	Yield reduction in linseed due to lack of sulphur application	Assessment of effect of sulphur on yield of linseed crop	Assessment	Farmer's practice	Without application of sulphur @ 10 kg/acre		Integrated Nutrient Management	Crop	Irrigated		4							Ongoing
Bemetara	2018-19	Rabi	The crop suffers from Boron deficiency ( Brown heart and browning )	Effect of RDF along with Boron application in Cauliflower	Assessment	Farmer's practice	T2: NPK @ 50:30:15 kg/ha along with Borax @ 15 Kg/ha as soil application	-	Integrated Nutrient Management	Crop	Irrigated	Farmers	4	Curd weight/plant (gm) = 345 Browning % = 13.4	Curd weight/plant (gm) = 501 Browning % = 1.24	-		198830	255000	application of 15 kg/ha borax in cauliflower reduces browning problem -
Bemetara	2018-19	Kharif	Low yield due to regular attack of girdle beetle	Assessment of soybean plant residue destruction over farmer practices to check the Inoculums of causal Organism in next generation	Assessment	Farmers practice (residue leave in field) or burning	Destruction of soybean plant residue Use of worms		Plant protection	Soybean	Irrigated	Farmers	05	Ongoing						It will complete in two year
Bemetara	2018-19	Kharif	Dense crop cause heavy attack of leaf feeder	Assessment of Broad bed furrow(BBF) seed drill on the incidence of insect pest of soybean.	Assessment	Seed sowing by broadcast or simple seed drill	Sowing by Broad bed furrow		Plant protection	Soybean	Irrigated	Farmers	05	Fail						Due to heavy rain crop has submerged & finally fail

## 2.1 A Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Varietal Assessment of Indian bean- Indira Sem -1, Indira Sem-2	Use of Indira Sem - 1 and Indira Sem – 2 cultivation with Stacking under rainfed situation appropriate for enhancing the yield.	
Varietal Assessment of Cowpea- Kashi Kanchan	Use of Kashi Kanchan this is dwarf and bush type Variety with Stacking under rainfed situation appropriate for enhancing the yield.	
Enhancement of chickpea yield through Wider row to row spacing.	Wider row spacing (eg. 45 cm) in chickpea leads to better vegetative growth as well as yield.	
Seed treatment of Wheat with Azotobactor		
Effect of RDF along with Boron application in Cauliflower	Application of 15 kg/ha borax in cauliflower reduces browning problem.	

## 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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Bemetara	Varietal Assessment of Indian bean- Indira Sem -1, Indira Sem-2	No. of pod per Inflorescence, yield q/ha, B:C ratio	T1- Use of Deshi Sem No stacking	T2- Indira Sem -1	T3- Indira Sem -2 with full package of practices under ridge and furrow system with stacking.	-	-	-	-	-	-	34876.0	57567.0	52489.0	2.05	3.21	3.13
Bemetara	Varietal Assessment of Cowpea- Kashi Kanchan	No. of pod per Inflorescence, yield q/ha, B:C ratio	T1- Local Variety with Farmer's Practice	Cultivation of Improved variety- T2- Kashi Kanchan	-	-	-	-	-	-	30487.0	68324.0	-	2.10	3.24	-	
Bemetara	Yield loss in chickpea due to lower row to row spacing	Pods per plant, Avg. Yield q/ha, B:C ratio	Farmer's practice	Scientific practice with 45 cm row to row spacing with full package and practice	-	20000	18000	-	33150	45825	-	13150	27825	-	0.65	1.54	-

Bemetara	Seed treatment of Wheat with Azotobactor	Test weight, seed yield, B:C ratio	Farmer's practice Seed treatment with fungicide only	Seed treatment with fungicide + Azotobactor	-	15000	15100	-	34000	42500	-	19000	27400	-	1.27	1.81	-
Bemetara	Effect of RDF along with Boron application in Cauliflower	Yield q/ha, Curd weight/plant (gm), Browning %	Farmer's practice	NPK @ 50:30:15 kg/ha along with Borax @ 15 Kg/ha as soil application	-	71170	75000	-	270000	330000	-	198830	255000	-	2.79	3.4	-

### 2.3 Details of OFT on Agriculture Engineering

KVK name	Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			The matic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	
Bemetara	2018	Rabi	More seed rate compared to broadcasting, reduces cultivation cost by animal power	Assessment of five row animal drawn chickpea seed planter	Assessment	Broadcasting manually	Animal drawn Chickpea seed planter	-	AEG	Enterprises	Irrigated	Farmers	04	Avg. Yield q/ha = 8.9, B:C ratio = 1.8	Yield q/ha = 11.85, B:C ratio = 2.2	-	20720	29850	-	Pair of Bullock can be easily operated this sowing machine for reducing the seed rate as well reducing cultivation cost.

### 2.3a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of five row animal drawn chickpea seed planter	If bullocks are available in farmer's house then he can go for this sowing planter machine for sowing of chickpea as well as bold size seeds. Farmer's benefited in terms of more seed yield, less seed rate and reduces cost of cultivation.	Will be manufactured at low cost with local materials.

## 2.4 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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Bemetara	Assessment of five row animal drawn chickpea seed planter	Yield, net return, benefit cost ratio, field capacity	Broadcasting	Animal drawn chickpea seed planter	-	25300	24650	-	46020	54500	-	20720	29850	-	1.8	2.2	-

## 2.5 Details of OFT on Agriculture Engineering

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T <sub>3</sub>	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T <sub>3</sub>	
Bemetara	2018	Rabi	No uses of improved implements for wider row spacing. Uses local machine with no provision of width adjustment.	Assessment of seed cum fertilizer drill with wider row to row spacing arrangement.	Refinement	Row to row spacing 22.5 cm	Row to row spacing 45	-	AEG	Enterprises	Irrigated	Farmers	04	Yield 9.3 q/ha Net return 24200 Rs/ha B: C ratio 1.9	Yield 11.4 q/ha Net return 29503 Rs/ha B: C ratio 2.3	-	17400	25300	-	Sowing machine should be provision of row width arrangement.

## 2.5a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of seed cum fertilizer drill with wider row to row spacing arrangement.	Farmers can adjust row to row spacing for better plant growth simultaneously increase seed yield	Provision of width adjustment in sowing machine on the basis of different crop requirement.

## 2.6 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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Bemetara	Assessment of seed cum fertilizer drill with wider row to row spacing arrangement.	Field capacity, seed yield, net return, benefit cost ratio	Row to row spacing 22.5 cm by local seed drill	Row to row spacing 45 cm by adjustment in respective seed drill	-	24500	22500	-	48700	52030	-	24200	29503	-	1.98	2.3	-

## 2.7 Details of OFT on Animal Science - Nil

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	



## 2.7a Recommendations of OFTs - Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

## 2.8 Economic Performance - Nil

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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )

## 2.9 Details of OFT on Animal Science - Nil

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	

## 2.9a Recommendations of OFTs- Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

## 2.10 Economic Performance- Nil

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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )

### 2.11 Details of OFT on Fisheries - Nil

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
						T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	

### 2.11a Recommendations of OFTs - Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

### 2.12 Economic Performance - Nil

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 <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	

### 2.13 Information about Home Science OFT: ( For All Thematic Area) - Nil

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

### 2.13 (A) Economic Performance Home Science OFT: (For Drudgery Reduction) - Nil

KVK name	OFT Title	Performance Indicator / Parameter							
		Output m <sup>2</sup> /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

**2.13 (B) Economic Performance Home Science OFT: (For Income Genration) - Nil**

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				

**2.13 (C) Economic Performance Home Science OFT: (For value addition) - Nil**

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				

**2.13(D) Economic Performance Home Science OFT: (For Nutritional security) - Nil**

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

### 3. Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years (up to 2018-19)

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
Bemetara	Pigeon pea	Plant protection	Demonstration of IPM module against insect pest of Pigeon	Light trap@ 1/ha, Pheromone Trap @20/ha ,use of neem product 3000 ppm@1lt./ha. ,karanj oil @0. 2%, ,Bird percher @ 20 /ha., Chemical use (if necessary)	10	58	30
Bemetara	Chickpea	Plant protection	Demonstration of IPM against insect pest of Chickpea	Light trap@ 1/ha, pheromone trap @ 20 /ha. use of Bio agents brachocard (bracon spp.) 7 card /ha. 3 times , neem product 3000 ppm@1 lt./ha, planting of coriander 10:1, chemical use (if necessary)	16	100	40

#### 3.2 Details of FLDs on Crop to be implemented during 2019-20

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Oth ers	Gen eral	Total
Bemetara	2018	Kharif	Nutrient Management	Demonstration of Varietal + Fertigation techniques under drip irrigation	Banana	Technology	4	424.67	688.20	39 %					10
Bemetara	2018	Kharif	Plant protection	Demonstration of IPM module against insect pest of Pigeon	Pigeon pea	IPM Module	30	6.2	8.2	32.25 %					75

Bemetara	2018-29	Rabi	Plant protection	Demonstration of IPM against insect pest of Chickpea	Chickpea	IPM Module	40	6.8	10.6	55.88 %						100
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### 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Bemetara	Demonstration of Varietal + Fertigation techniques under drip irrigation	Banana	Yield q/ha, B:C ratio	Use of drip irrigation & manually application of fertilizer	T2- Fertigation by using drip/1000p/kg/week 1-16 (16) week urea 4.5 kg mono ammonium phosphate 6 urea 5.5 kg, MOP 7.0 kg 41-44 (4) week MOP 5.0 kg. 0.5 kg MOP 3.0 kg 17-28 (12) week urea 13.5 kg, MOP 8.5 kg, 29-40 (12) week	-	-	-	-	-	-	2.34	3.87

Bemetara	Improve variety, line sowing, weed & pest management	Pigeon pea	pod damage percentage & yield	Chemical control	Light trap@ 1/ha, Pheromone Trap @20/ha ,use of neem product 3000 ppm@1lt./ha. ,karanj oil @0. 2%, HNPV@ 250 LE / ha ,Bird percher @ 20 /ha.,Chemical use (if necessary)	13500	21500	28320	39342	14820	17877	1.9	2.2
Bemetara	Improve variety, line sowing, weed & pest management	Chickpea	damage percentage of pod /plant, yield q./hectare	Chemical Pesticides	Light trap@ 1/ha, pheromone trap @ 20 /ha. use of Bio agents brachocard (bracon spp.) 7 card /ha. 3 times , neem product 3000 ppm@1 lt./ha, Bacillus thuringiensis 750 ml/ha, planting of coriander 10:1, HNPV @ 250 LE / ha. chemical use (if necessary)	14000	20000	28560	44520	14560	24520	1.04	1.23

### 3.4 Details of FLDs on Agriculture Engineering to be implemented during 2019-20: NIL

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers						
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total		

### 3.5 Economic Impact of FLD: **NIL**

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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.6 Details of FLDs on Animal Science to be implemented during 2019-20 - Nil

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers						
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total		

### 3.7 Economic Impact of FLD - **Nil**

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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.8 Details of FLDs on Fishery to be implemented during 2019-20 - Nil

KVK Name	Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers					
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	

### 3.9 Economic Impact of FLD - Nil

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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.10 Information about Home Science FLDs - (For All Thematic Area) - Nil

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/Enterprises	Farming Situation	Proposed area (ha)	No. of Beneficiaries

### 3.11(A) Economic Performance Home Science FLD: (For Drudgery Reduction) - Nil

KVK	FLD Title					Performance Indicator / Parameter



name	Output m <sup>2</sup> /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

**3.11 (B) Economic Performance Home Science FLD: (For Income Generation) - Nil**

KVK name	FLD 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		

**3.11 (C) Economic Performance Home Science FLD: (For value addition) - Nil**

KVK name	FLD 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		

**3.11 (D) Economic Performance Home Science FLD: (For Nutritional security) - Nil**

KVK name	FLD 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

### 3.12 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
		Field days	3	180	
		Farmers Training			
		Media coverage			
		Training for extension functionaries			

### 3.13 Details of FLD on crop hybrids.: **NIL**

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

## 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
Bemetara	IDM	Control disease	Yield increase	Farmers are happy and ready to adopt the new technology
Bemetara	IPM	IPM Tools	Yield increase	Farmers are happy and ready to adopt the new technology
Bemetara	Varietal intervention	Stacking, fustigation, cause of pesticide	Yield increase	Farmers are happy and ready to adopt the new technology
Bemetara	AEG	Animal drawn chickpea planter	Yield increase, cultivation cost increases, uses of farm animal	Farmers are happy with this animal drawn chickpea planter sowing machine

### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Bemetara	Under IDM seed treatment with trichoderma is very necessary in Bemetara distt. because the soil of major area of bemetara has infected with fungus
Bemetara	IPM is tool through which we can control the insect pest of crop safely & reduce the injudicious use of pesticide
Bemetara	Varietal intervention - in troduction of new variety is very essential for the former in the since of production & protection

### 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
<b>Thematic Areas for Training</b>	
CP	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, use abbreviations only.

**Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme in 2018-19**

Name of KVK	Category of the training	Methods of need assessment	Date and place		No. Of participants to be involved
Bemetara	Kishan Kalyan Diwas		02/05/2018	KVK, Bemetara	150
Bemetara	International Honey Day		20/05/2018	KVK, Bemetara	21
Bemetara	Farm meeting Rajnandgaon		24/07/2018	KVK, Bemetara	24
Bemetara	DAESI COURSE - Basic Information of DAESI course structure		05/08/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE - Production tech. in vegetables (Tomato)		12/08/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE - IPM in field vegetable		19/08/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE - Basic knowledge about insect & Pest		02/09/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE - Pesticides		09/09/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE - Nutrient management in Agri. Crop		16/09/2018	KVK, Bemetara	45
Bemetara	NICRA training		19/09/2018	KVK, Bemetara	63
Bemetara	DAESI COURSE - Crop pest		23/09/2018	KVK, Bemetara	45
Bemetara	Farmer training on hybrid rice at Nawagarh		29/09/2018	KVK, Bemetara	62
Bemetara	DAESI COURSE - Types of seed streatment		30/09/2018	KVK, Bemetara	45
Bemetara	In-service training		01/10/2018	KVK, Bemetara	37
Bemetara	DAESI COURSE - Seed storage seed procdeding & Seed certification process		07/10/2018	KVK, Bemetara	45
Bemetara	CFLD Training, Jhal farm		11/10/2018	KVK, Bemetara	18
Bemetara	DAESI COURSE -		14/10/2018	KVK, Bemetara	45
Bemetara	Kisan Mahila Diwas Training, Jhal		15/10/2018	KVK, Bemetara	18
Bemetara	DAESI COURSE		21/10/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		28/10/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		04/11/2018	KVK, Bemetara	45

Bemetara	DAESI COURSE		11/11/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		14/11/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		25/11/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		02/12/2018	KVK, Bemetara	45
Bemetara	World Soil Day, Village - Jhal		05/12/2018	KVK, Bemetara	87
Bemetara	DAESI COURSE		09/12/2018	KVK, Bemetara	45
Bemetara	DAESI COURSE		16/12/2018	KVK, Bemetara	45
Bemetara	Waste decomposer making training, Village – Jhal		19/12/2018	KVK, Bemetara	17
Bemetara	IPM on Chickpea training, Village – Banshapur		20/12/2018	KVK, Bemetara	47
Bemetara	National Farmer Day, Village - Jhal		23/12/2018	KVK, Bemetara	41
Bemetara	DAESI COURSE		23/12/2018	KVK, Bemetara	45
Bemetara	Farm school under ATMA reform		28/12/2018	KVK, Bemetara	19
Bemetara	DAESI COURSE		30/12/2018	KVK, Bemetara	45
Bemetara	ATMA Training		02/01/2019	KVK, Bemetara	26
Bemetara	ATMA Training		04/01/2019	KVK, Bemetara	20
Bemetara	DAESI COURSE		06/01/2019	KVK, Bemetara	45
Bemetara	ATMA Training		08/01/2019	KVK, Bemetara	23
Bemetara	ATMA Training		09/01/2019	KVK, Bemetara	32
Bemetara	ATMA Training		11/01/2019	KVK, Bemetara	19
Bemetara	DAESI COURSE		13/01/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		20/01/2019	KVK, Bemetara	45
Bemetara	DAESI TOUR		20/01/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		27/01/2019	KVK, Bemetara	45
Bemetara	Other ATMA Training		29/01/2019	KVK, Bemetara	36
Bemetara	NMSA (RAD) Farmer training		01/02/2019	KVK, Bemetara	40
Bemetara	Training and Visits of farmer on Plantation of Khamar plant under Scheme Agro-forestry		01/02/2019	KVK, Bemetara	25
Bemetara	DAESI COURSE		03/02/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		10/02/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		17/02/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE KISHAN MELA VISIT BEMETARA		22/02/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		24/02/2019	KVK, Bemetara	45

Bemetara	DAESI COURSE Visit		03/03/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		10/03/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		17/03/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		24/03/2019	KVK, Bemetara	45
Bemetara	DAESI COURSE		31/03/2019	KVK, Bemetara	45
Bemetara	International Woman's Day		08/03/2019	KVK, Bemetara	47
Bemetara	Meteorological Department Training		08/03/2019	KVK, Bemetara	47
Bemetara	Training on Life MNREGA		13/03/2019	KVK, Bemetara	30
Bemetara	Training on Life MNREGA		19/03/2019	KVK, Bemetara	30
Bemetara	Chhattisgarhi Vyanjan compition		19/03/2019	KVK, Bemetara	11
Bemetara	Kishan Kalyan Diwas		02/05/2018	KVK, Bemetara	150

**Table 5.2. Details of Training programmes conducted by the KVK Bemetara in 2018-19.**

Name of KVK	Cate-gory(F/FW/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Bemetara	FW	ONC	OTH	Kishan Kalyan Diwas	1	2	150	50	0	0	0	0	0	100	0
			OTH	International Honey Day	1	1	21	10	0	0	1	0	0	10	0
			OTH	Farm meeting Rajnandgaon	1	1	24	10	1	1	1	1	0	10	0
			OTH	NICRA training	1	1	63	35	2	2	0	2	0	20	2
			OTH	Farmer training on hybrid rice at Nawagarh	1	1	62	25	2	1	0	1	0	30	3
			OTH	In-service training	1	1	37	20	2	1	0	1	0	12	1
			OTH	Training on Life MNREGA	1	1	30	0	0	0	6	0	0	12	12
			OTH	Training on Life MNREGA	1	1	30	0	0	0	2	0	0	14	14
Bemetara	FW	ONC	SFM	Soil fertility management	2	2	56	12			--	--			
Bemetara	FW	ONC	WOE	Formation of SHGs	1	1	20	07			--	--			

Name of KVK	Category(F/FW/IS/RV)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Bemetara	FW	ONC	AEG	Use of improved implements	2	2	50				--	--			
Bemetara	FW	ONC	PLP	Integrated pest & disease management in crops	2	2	65	40			--	--			
Bemetara	FW	ONC	FIS	Pond Management and Production of finger lings	02	01	42	36			--	--			
Bemetara	FW	ONC	PIS								--	--			
Bemetara	FW	ONC	CBD	Formation and management of SHG's	03	01	42	32			--	--			
Bemetara	FW	OFC	CP	Package of practices of cereals, oil-seed & pulse crop	8	8	120	59			--	--			
Bemetara	FW	OFC	SFM	Soil fertility management	2	2	47	--			--	--			
Bemetara	FW	OFC	LPM	goat production & Management	1	01	22	18			--	--			
Bemetara	FW	OFC	WOE	Formation of SHGs	1	1	26	03			--	--			
Bemetara	FW	OFC	AEG	Use of improved implements	1	1	35	07			--	--			
Bemetara	FW	OFC	PLP	Integrated pest & disease management in crops	3	4	68	14			--	--			
Bemetara	FW	OFC	FIS	Pond treatment and feeding management of diffident fishes	02	01	50	--			--	--			
Bemetara	FW	OFC	CBD	Formation and management of SHG's	1	1	25				--	--			
Bemetara	FW	OFC	OTH	Mushroom production	2	2	54	--			--	--			

Name of KVK	Category(F/FW/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Bemetara	RY	ONC	CP	Cultivation technique of cereal crop	05	8	82	27			--	--			
Bemetara	RY	ONC	HOV	Nursery management of vegetable crops	02	2	32	12			--	--			
Bemetara	RY	ONC	AEG	Repair and maintenance of farm machinery	01	1	30	30			--	--			
Bemetara	RY	ONC	HOO	Package of practices of ornamental crop	2	2	61	07			--	--			
Bemetara															
Bemetara	RY	ONC	HOT	Package of practices of tubers crops	02	2	38	05			--	--			
Bemetara	RY	ONC	PLP	Integrated pest & disease management in crops	2	2	35	04			--	--			
Bemetara	RY	OFC	CP	Package of practices in Cereal, Pulse and oil seed	3	3	50	--			--	--			
Bemetara	IS	ONC	HOO	Package of practices of ornamental crop	1	1	40	08			--	--			
Bemetara	IS	ONC	PLP	Integrated pest & disease management in crops	2	2	40	06			--	--			

**Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs: NIL**

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries						
					SC		ST		Others		
					M	F	M	F	M	F	





## 6. EXTENSION ACTIVITIES conducted by KVK Bemetara in 2018-19.

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	Topic s	Crop Stages
				M	F	M	F	M	F			
Bemetara	Advisory Services	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Agri mobile clinic	3	2	20	5	5	2	2	2	-	-	-
Bemetara	Animal Health Camp	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Awareness programme	2	2	25	6	4	5	3	1	-	-	-
Bemetara	Celebration of important days	12	8	480	60	110	45	12	8	NIL	NIL	NIL
Bemetara	Diagnostic visits	30	16	50	10	15	3	1	0	-	-	-
Bemetara	Exhibition	5	2	24	2	6	2	1	1	-	-	-
Bemetara	Exposure visits	05	5	30	2	12	5	1	2	-	-	-
Bemetara	Extension Literature	2	1	-	-	-	-	1	-	-	-	-
Bemetara	Ex-trainees Samoan	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Farm advisory Services	08	5	120	25	40	12	2	3	-	-	-
Bemetara	Farm Science Club conveners meet	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Farmers Seminar/Workshop	02	02	25	6	9	2	2	2	-	-	-
Bemetara	Farmers visit to KVK	1000	600	350	150	60	35	10	12	--	-	-
Bemetara	Field Day	05	05	120	30	44	12	2	2	-	-	-
Bemetara	Film Show	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Group meetings	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Interface	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Kharif/Rabi Sammelan	02	02	30	05	10	2	1	1	-	-	-
Bemetara	Kisan Ghosthi	04	03	36	10	14	3	2	3	-	-	-
Bemetara	Kisan Mela	01	01	250	60	95	20	2	1	-	-	-
Bemetara	Krishi Gyan Doot meet	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Krishi Mahotsav	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Lectures delivered as resource persons	10	10	80	15	26	NII	NIL	-	-	-	-

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	Topic s	Crop Stages
				M	F	M	F	M	F			
Bemetara	Mahila Mandals conveners meetings	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Method Demonstrations	16	15	110	35	25	10	1	1	Insect pest management, farm implements, crop production technologies etc.	-	-
Bemetara	Newspaper coverage	40	35	-	-	-	-	-	-	-	-	-
Bemetara	Popular articles	10	3	8	2	2	1	NIL	NIL	-	-	-
Bemetara	Pradhanmantri phasal beema yojana	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Radio talks	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Scientific visit to farmers field	140	140	110	30	40	15	1	1	-	-	-
Bemetara	Self Help Group conveners meetings	01	01	nil	08	nil	2	1	1	-	-	-
Bemetara	Soil health Camp	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Soil test campaigns	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Summer deep plugging campaigning	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Technology Week Celebration	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	TV talks	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bemetara	Workshop	1	1	-	-	-	-	-	-	-	-	-
Bemetara	Others	1	1	-	-	-	-	-	-	-	-	-

## 7. Production and supply of Technological products

### 7.1 Seed production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Bemetara	OilSeed	Soybean	JS 9305	SD	70 quintal				8
Bemetara	Pulses	Chickpea	Vaibhav	SD	Ongoing				8
Bemetara	OilSeed	Linseed	RLC-92	SD	Ongoing				2

### 7.2 Planting Material production - Nil

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	

### 7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) Nil

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	BIOAGENTS				
	BIOFERTILIZERS				
	BIO PESTICIDES				

### 7.4 Livestock and fisheries production - Nil

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Buffalo						
	Sheep and Goat						
	Poultry						
	Fisheries						
	Others (Specify)						

## 8. Activities of Soil and Water Testing Laboratory - Nil

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment :-

### 8.1 Details of soil & water samples analyzed so far - Nil

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)

### 8.2 Details of water samples analyzed so far - Nil

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 (Nos)

## 9. Rainwater Harvesting, if available - Nil

### Training programmes to be 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			No. of officials		
					Male	Female	Total	Male	Female	Total	Male	Female	Total

## 10. Kisan Mobile Advisory (KVK-KMA) activities during 2018-19

KVK Name	No. of messages to be sent	Area of Messages	No. of beneficiaries		No of Village Covered	Major recommendations
			Farmers	Ext. Pers.		
Bemetara	60	Bemetara, Berla, Nawagarh & Saja	76424	3560	657	To acquaint with various agricultural practices according to season of different crops

## 11. Details of SAC Meeting conducted during 2018-19

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bemetara	29/06/2018 KVK - Rajnandgaon	54	
Bemetara	28/02/2019 DES, IGKV, Raipur	50	

## 12. Literature Developed/Published (with full title, author & reference) during 2018-19

### 12.1 KVK Newsletters

No.	KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
1.	Bemetara	22/05/2018	Manaya Gaya Vishv Madhumakkhi Divas	Bematara Patrika	1
2.	Bemetara	24/05/2018	Vishv Madhumakkhi Divas Sampanna	Durg Mel	1
3.	Bemetara	22/06/2018	Jile Me Manaya Gaya Yoga Divas	Navbharat	3
4.	Bemetara	16/09/2018	कृषि वैज्ञानिकों ने किया फसल निरीक्षण	Navbharat	2
5.	Bemetara	02/10/2018	Collector Bemetara Visit	Navbharat	2
6.	Bemetara	02/10/2018	कलेक्टर ने किया वृक्षा रोपण	Navbharat	2
7.	Bemetara	02/10/2018	कृषि विस्तार अफसरों को फसल कटाई एप प्रशिक्षण	Navbharat	2
8.	Bemetara	03/10/2018	Krishi Vishtar Afsaron Ko Fasal Kataki App Prashikkshan	Bematara Patrika	1
9.	Bemetara	07/12/2018	The importance of organic manure explained to the farmer	Bemetara Patrika	2
10.	Bemetara	07/12/2018	World Soil Day Event	Navabharat	2
11.	Bemetara	23/12/2018	किसानों ने जाना खेत में अपघटक निर्माण के तरीके	Haribhoomi	12
12.	Bemetara	23/12/2018	वैज्ञानिकों ने दी वेस्ट डिकम्पोसर की जानकारी	Navabharat	2
13.	Bemetara	25/12/2018	किसानों को दिया गया प्रशिक्षण	Bemetara Patrika	10
14.	Bemetara	25/12/2018	राष्ट्रीय किसान दिवस का हुआ आयोजन	Navabharat	2
15.	Bemetara	25/12/2018	बेमेतरा में राष्ट्रीय किसान दिवस पर हुआ आयोजन	Bhaskar Kawardha Bemetara	2
16.	Bemetara	25/12/2018	किसानों का मान ही देश का है सम्मान	Bemetara Patrika	2
17.	Bemetara	25/12/2018	राष्ट्रीय किसान दिवस का हुआ आयोजन	Haribhumi	12
18.	Bemetara	21/01/2019	प्रशिक्षुओं ने किया कृषि महाविद्यालयों का भ्रमण दिनांक 20.01.2019	Patrika	12
19.	Bemetara	18/02/2019	फसल के लिए रसायनिक खाद व कीटनाशक पर निर्भर न हों किसान	बेमेतरा पत्रिका	9
20.	Bemetara	15/02/2019	बेमेतरा में कृषि विकास व किसान कल्याण मेला 22 से	Deshbhandhu	6
21.	Bemetara	22/02/2019	किसानों को आज से खेती की नई तकनीक का दिया जाएगा प्रशिक्षण	बेमेतरा पत्रिका	10

22.	Bemetara	23/02/2019	बेमेतरा में लगा राज्य स्तरीय कृषि मेला किसानों को मिल रही जैविक खेती और नई तकनीक की जानकारी	पत्रिका बेमेतरा	14
23.	Bemetara	23/02/2019	कृषि तकनीक की जानकारी लेकर किसान बढ़ाएंगे आमदनी - महंत	नवभारत	6
24.	Bemetara	21/02/2019	राज्य स्तरीय किसान मेला कल से: कृषि मंत्री चैबे ने बैठक लेकर की मेले की तैयारियों की समीक्षा	बेमेतरा पत्रिका	12
25.	Bemetara	22/02/2019	बेमेतरा में आज से राज्य स्तरीय कृषि विकास एवं किसान कल्याण मेला	नवभारत	5
26.	Bemetara	23/02/2019	नरवा के पानी से बाड़ी की सिंचाई कैसे करें यह किसान मेले में बता रहे	दैनिक भास्कर	11
27.	Bemetara	23/02/2019	किसान मेले में सरकार के ड्रीम प्रोजेक्ट को साकार करने सजाए माॅडल ट्रिप्स भी दिए	दैनिक भास्कर	10
28.	Bemetara	24/02/2019	राज्य स्तरीय कृषि विकास एवं किसान कल्याण मेला: सुराजी ग्राम योजना शुरू, 20 करोड़ के विकास कार्यों का लोकार्पण-भूमिपूजन	बेमेतरा पत्रिका	13
29.	Bemetara	24/02/2019	किसान कल्याण मेला - कृषि वैज्ञानिक उत्पादन बढ़ाने के लिए आज देंगे उन्नत तकनीक की जानकारी	बेमेतरा पत्रिका	16
30.	Bemetara	24/02/2019	किसान मेले में कैबिनेट मंत्री अनिला भंडिया ने किसानों को बांटे कृषि यंत्र	नवभारत	4
31.	Bemetara	24/02/2019	खेती किसानों की उन्नत तकनीक अपनाकर अपनी आमदनी में बढ़ोतरी करें किसान - भूपेश बघेल	नवभारत	2
32.	Bemetara	24/02/2019	बेमेतरा में आयोजित कृषि मेला में शामिल हुए विखं के किसान	नवभारत	6

## 12.2 Details of Electronic Media to be Produced -

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Bemetara	CD	Different crop cafeteria, orchard, water bodies display through drone video Graphy of KVK farm	1

## 12.3 PUBLICATIONS -

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper					
Technical bulletins					
Technical reports					
Popular article					
News paper coverage	35	-	-	-	-
<b>Year Planner</b>					
Others (pl. specify)					

### 13. 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
Bemetara	ATMA					
Bemetara	MNREGA	KVK Bemetara	25,54,000	New talab khudai & talab gahrikaran	Kvk farm	Ongoing
	MNREGA	KVK Bemetara	21,20,000	Mother orchard	Kvk farm	Ongoing
	MNREGA	KVK Bemetara	34,31,000	Seed production	Kvk farm	Ongoing
Bemetara	NHM					
Bemetara	RKVY					
Bemetara	DRDA					
Bemetara	Zila Panchyat	KVK Bemetara	1,50,000	Nutritional garden	School/hostels	Completed
Bemetara	Seed Village					
Bemetara	NAIP					
Bemetara	Climate Change					
Bemetara	Others (Plz. Specify)					

### 14. Utilization of Farmers Hostel - Nil

Accommodation available (No. of beds):

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)
Bemetara							

### 15. Utilization of Staff Quarters - Nil

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

### 16. Details of KVK Agro-technological Park – Nil

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
Bemetara			



**b) Details about Technology Park –**

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	26
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

**c). Crop Cafeteria-**

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Pligeonpea- Rajiv Lochan, Asha, UPAS – 120	3
2.	Maize – Sweety	1
3.	Turmeric- Roma	1
4.	Carrot - F1 Hybrid	1
5.	Cowpea- Kashi Kanchan	1
6.	Indian Bean - Indira Sem-1, Indira Sem -2	2
7.	Chilli - F1 Hybrid	1
8.	Tomato - F1 Hybrid	1
9.	Brinjal - F1 Hybrid	1
10.	Bottle Gourd - F1 Hybrid	1
11.	Beet Root - F1 Hybrid	1
12.	Radish - F1 Hybrid	1
13.	Green Gram - HUM-16	1
14.	Lathyrus – Mahatiwara	1
15.	Chickpea - Vaibhav, RVG – 201	2
16.	Wheat - MP - 3336, HD - 2864, GW - 322, GW- 366, RAJ - 4238	5
17.	Linseed - RLC -92, Indira Alsi – 32	2

**17. 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	Mobile No.
1	Bemetara	Shri Maniram	Pepsi tube use in irrigation	Jhal, Bemetara	7898591847
2	Bemetara	Shri Holu Ram Sahu	Intercrop in Banana	Khilora, Bemetara	9753321993
3	Bemetara	Shri Dukaru	Intercrop of various vegetable	Jhal, Bemetara	9754259567
4	Bemetara	Shri Rajan Vargis	Mushroom cultivation	Deori Sharda, Bemetara	7000416113
5	Bemetara	Shri Mohit Sahu	Crop- Livestock- fishery- duckery-poultry – goatery- vermicomposting	Village-Padkidih, Bemetara	8349763494

			farming system		
6	Bemetara	Shri Chandra Shekhar Patel	Crop-Livestock -composting farming system	Village – Gaduwa, Bemetara	9685314323
7	Bemetara	Shri Vikram Patel	Crop-Livestock -composting farming system	Village – Kharjetikala, Bemetara	9179031118
8	Bemetara	Shri Santosh Patel	Crop-Livestock -composting farming system	Village - Gaduwa, Bemetara	9827854928
9	Bemetara	Shri Nutan Patel	Crop-Livestock -composting farming system	Village - Gaduwa, Bemetara	7000784505
10					

### 18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
01.	24/11/2018	4
02.	28/12/2018	6
03.	29/12/2018	5
04.	07/02/2019	24

### 19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Bemetara	1	4	11	714

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

### 20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable. **NIL**

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

## 21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Bemetara	SAC Meeting	SS&H & All SMS & Farmers
2	Kawardha	SAC Meeting	SS&H & All SMS & Farmers
3	Rajnandgaon	SAC Meeting	SS&H & All SMS & Farmers

## 22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bemetara	Dr. A.L. Rathore	06/04/2018	Visit to KVK Bemetara
Bemetara	Dr. A.L. Rathore	06/07/2018	Visit to KVK Bemetara
Bemetara	Shri Mahadev Kavare	01/10/2018	Visit to KVK Bemetara
Bemetara	Dr. S.K. Patil	13/10/2018	Visit to KVK Bemetara
Bemetara	Dr. H.C. Nanda	13/10/2018	Visit to KVK Bemetara
Bemetara	Dr. A.L. Rathore	13/10/2018	Visit to KVK Bemetara
Bemetara	Dr. R.K. Bajpai	13/10/2018	Visit to KVK Bemetara
Bemetara	Dr. M.P. Thakur	14/10/2018	Visit to KVK Bemetara
Bemetara	Dr. K.L. Nandeha	02/01/2019	Visit of KVK, Farm
Bemetara	Dr. R.K. Bajpai	02/01/2019	Visit of KVK, Farm
Bemetara	Dr. H.C. Nanda	02/01/2019	Visit of KVK, Farm
Bemetara	Dr. Jitendra Singh	02/01/2019	Visit of KVK, Farm
Bemetara	Dr. S.B. Verulkar	02/01/2019	Visit of KVK, Farm
Bemetara	Dr. H.C. Nanda	04/04/2018	Visit to KVK Bemetara
Bemetara	Dr. A.L. Rathore	20/02/2019	Visit of KVK, Bemetara office
Bemetara	Dr. R.K. Dwivedi	14/03/2019	Visit to KVK office

## 23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
01	Bemetara	29.08.2017	23	4590

## 24. Status of RTI - Nil

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
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## 25. E-CONNECTIVITY (ERNET Lab) - Nil

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			

## 26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS DURING 2018-19

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Bemetara	Gosthies	2	48	Chickpea, soybean
Bemetara	Lectures organized	30	260	Mushroom, farm machines, IPM, Soil testing etc.
Bemetara	Exhibition	2	28	Organic farming components
Bemetara	Film show	NIL	NIL	NIL
Bemetara	Fair	1	250	Crop varieties demonstration, organic products, IPM system display
Bemetara	Farm Visit	15	20	Farmers field for diagnostic
Bemetara	Diagnostic Practical's	16	60	Farmers field for diagnostic
Bemetara	Distribution of Literature (No.)	4	260	Waste decomposer, soil testing methods, organic farming
Bemetara	Distribution of Seed (q)	3	220	For CFLD work
Bemetara	Distribution of Planting materials (No.)	2	600	Guava, mango, drumstick etc.
Bemetara	Bio Product distribution (Kg)	NIL	NIL	NIL
Bemetara	Bio Fertilizers (q)	2	20	Bio agents, trichoderma, bavistin etc,
Bemetara	Distribution of fingerlings	NIL	NIL	NIL
Bemetara	Distribution of Livestock specimen (No.)	NIL	NIL	NIL
Bemetara	Total number of farmers visited the technology week	5	600	Crop cafeteria, farm resources, implements demonstration etc.
Bemetara	Animal health camp	NIL	NIL	NIL
Bemetara	Awareness programme	2	31	Crop residue management, nutrition diet food, soil health chart etc.
Bemetara	Cashless Transaction Week	NIL	NIL	NIL
Bemetara	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National	8	560	Kisan diwas, National/International women day, Swachta pakhwada, world soil health day, etc.

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Integrity Day, World environment day, World forestry day, World Water Day)			
Bemetara	Demonstration	6	213	Crop cafeteria, plant disease, farm implements etc.
Bemetara	Exposure visit	5	29	-
Bemetara	Extension activity	NIL	NIL	NIL
Bemetara	Ex-trainees Meet	NIL	NIL	NIL
Bemetara	Farmer scientist interaction	NIL	NIL	NIL
Bemetara	Farmers Training	5	80	Crop production technologies, integrated pest management for crop.
Bemetara	Field Day	5	150	Soybean, pigeon pea, linseed, chickpea etc.
Bemetara	Field visit	NIL	NIL	NIL
Bemetara	Gajarghans Unmulan Pakhwada	NIL	NIL	NIL
Bemetara	Group Meeting	NIL	NIL	NIL
Bemetara	Hindi diwas pakhwada	NIL	NIL	NIL
Bemetara	Jai Kisan Jai Vigyan Sangoshthi	NIL	NIL	NIL
Bemetara	Narmada sewa Yatra	NIL	NIL	NIL
Bemetara	News Paper/Mass Media	35	450	All activities of kvk covered by media person
Bemetara	Plant health camp	NIL	NIL	NIL
Bemetara	Plant Protection Week	NIL	NIL	NIL
Bemetara	Scientists visits in farmers field	140	150	General ouylook, diagnostic etc.
Bemetara	Seed treatment campaign	NIL	NIL	NIL
Bemetara	Self Help Group convener meet	1	8	Mushroom cultivation
Bemetara	Soil health Camp	1	26	Soil testing methodology
Bemetara	Swachha Bharat Abhiyan	2	60	Swachata mission lectures
Bemetara	Technology Week	NIL	NIL	NIL
Bemetara	Van Mahotsava	NIL	NIL	NIL
Bemetara	Others (Pl. Specify)	NIL	NIL	NIL

KVK Name	Date	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Bemetara	15/10/2018	Mahila Kisan Diwas	1	18	Woman Farmers day
Bemetara	05/12/2018	World Soil Day	1	87	World Soil Day
Bemetara	16/12/2018	Swachhta Pakhwada 16-31	8	170	Swachhta Pakhwada

## 27. INTERVENTIONS ON DROUGHT MITIGATION - Nil

### Introduction of alternate crops/varieties

Sl.No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

### Major area coverage under alternate crops/varieties

Sl.No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
		Oilseeds		
		Pulses		
		Cereals		
		Vegetable crops		
		Tuber crops		
		Fruits		
		Spices		
		Cotton		
		<b>Total</b>		

### Farmers-scientists interaction on livestock management - Nil

Sl.No.	Name of KVK	Livestock components	Number of interactions	No.of participants
		Dairy Management		
		Disease management		
		Feed and fodder technology		
		Poultry management		

### Animal health camps to be organized - Nil

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

### Seed distribution in drought hit states - Nil

Name of KVK	Crops	Quantity (qtl)	Coverage of	Number of

			area (ha)	farmers

**Seedlings and Saplings to be distributed**

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Bemetara	Papaya	1000	1	285
Bemetara	Moringa	2000	2	300

**Bio-control Agents- Nil**

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers

**Bio-Fertilizer- Nil**

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

**Worms Produced- Nil**

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

**Large scale adoption of resource conservation technologies**

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Bemetara	Line sowing chickpea by seed drill	30.00	150
Bemetara	Micro irrigation system papaya banana etc	20.00	35

**Awareness Campaign : NIL**

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

## 28. Activities proposed of Satellite Village on Doubling Farmer's Income- Nil

### Information about Satellite Village - Nil

Name of KVK	Block	Village

### 1. Proposed Activities for Natural Resource Management - Nil

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

### 2. Proposed Activities for Crop Diversification - Nil

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

### 3. Proposed Activities for Crop Production - Nil

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

### 4. Proposed Activities for Livestock and Fisheries - Nil

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks

### 5. Proposed Activities for Livelihood Security to small and marginal land holders:- Nil

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks

### 6. Proposed Activities for Institutional Interventions- Nil

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks



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**7. Proposed Activities for Capacity Building - Nil**

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total

**8. Proposed Extension Activities in Satellite Village – Nil**

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total

**29. Activities proposed in Nutri-Smart Village - Nil**

**Information about Notre-Smart Village**

Name of KVK	Block	Village

**1. Innovative practices to promote nutrition-sensitive agriculture and food security - Nil**

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production						
Nutrition sensitive livestock and fisheries						
Biodiversity for food & nutrition including forest produces/ Minor Millets						
Bio-fortification						
Other (Pl. Specify)						

**2. Value Chain And Village Trade related Issue - Nil**

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.						
Processing and product development of NTFPs by women.						
Food Fortification						
Technology adaptation mechanisms for nutritional security.						
Economic empowerment through sustainable income generation among women.						
Other (Pl. Specify)						

### 3. Improving Maternal and Child Nutrition - Nil

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences					
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.					
Approaches to improve complementary foods and feeding practices.					
Comprehensive approach to address acute malnutrition in children.					
Improving nutrition among tribal population with community focus on first 1000 days.					

**4. Nutrition Literacy - Nil**

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behavior				
Micronutrient Supplementation				
Adolescent and Maternal Nutrition				
Malnutrition Management Service				
Other (Pl. Specify)				

**5. Capacity development of women institutions/ SHGs/ FIGs/FPOs - Nil**

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women			
Capacity development through participatory method			
Skill development			
Other (Pl. Specify)			

**6. Enabling Suitable governance and policy - Nil**

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security				
Climate Smart agriculture for Nutritional Security				
Other (Pl. Specify)				

**7. Institutional Interventions in Collaboration (through KVK, Angan Badi of other Department ) - Nil**

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark

**30. Activities Proposed for Sansad Adarsh Gram - Nil**

Information about Sansad Adarsh Gram - Nil

Name of KVK	Block	Village

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**1. Technologies to be Demonstrated- Nil**

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

**2. Proposed Extension Activities - Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

**3. Proposed Training Programme - Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

**31. Proposal of NICRA (Only NICRA KVKs) - Nil**

**1. Technologies to be Demonstrated - Nil**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. **Proposed Extension Activities in NICRA Village- Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. **Proposed Training Activities in NICRA Village- Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4. **Proposed Activities for Fodder Bank- Nil**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank- Nil**

Established (Years)	Capacity	Current Status

6. **Public Representative/District Administration Visited in NICRA Village - Nil**

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

32. **Proposed works under NAIP (in NAIP monitoring format) NIL**

### 33. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Bemetara	28360110052136	1,91,548.00	1,69,408.00	

### 34. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Bemetara	Shri Mohit Ram Sahu, Kishan mela award	State	Bemetara	Certificate

### 35. Case study / Success Story developed BY KVK, Bemetara during 2018-19.

Sr. No.	Name of KVK	No. of success stories	No. of case studies
01.	Bemetara	श्री होलूराम साहू	केले के खेती की उन्नत तकनीक ।
02.	Bemetara	श्रीमति जानकी साहू	हल्दी की जैविक खेती ।
03.	Bemetara	श्री मोहित साहू	जैविक खेती ।
04.	Bemetara	श्री मनीराम वर्मा	सेम की उन्नत किस्म इंदिरा सेम-1ए इंदिरा सेम-2 पर नवोष्णवी स्ट्रेकिंग कर मालामाल

### 36. Well labeled photographs of various activities Training & Extension Activities



## Training & Extension Activities





## Training & Extension Activities



Diagnostic visit at farmer's field



Diagnostic visit at farmer's field



Diagnostic visit at farmer's field



**Diagnostic visit at farmer's field**



Diagnostic visit at farmer's field



Diagnostic visit at farmer's field



Diagnostic visit at farmer's field





**Diagnostic visit at farmer's field**



Diagnostic visit at farmer's field



Diagnostic visit at farmer's field



Media coverage/Newspaper cuttings



**सफलता कि कहानी-**



1.	नाम	:-	श्रीमति जानकी साहू
2.	पता	:-	ग्राम - पड़कीडीह
3.	शिक्षा	:-	अशिक्षित
4.	उम्र व मोबाइल नम्बर	:-	46 वर्ष / .....
5.	तकनीक का नाम व विवरण (200 शब्दों में)	:-	इन्दी की जैविक खेती
<p>श्रीमति जानकी साहू, ग्राम - झाल की एक उन्नत महिला किसान हैं। जो जैविक खेती के द्वारा अपना जीवन ध्यान करती हैं। नैसर्गिक तरीके से बिना रासायनिक दवाइयों तथा खादों का उपयोग कर इन्दी को अच्छी उत्पादकता प्राप्त कर रही हैं। इन्दी के खेती के लिये बीज की व्यवस्था उन्होंने उद्यानिकी विभाग से की, जिसमें उनका व्यय नहीं हुआ। परंतु खेती के अन्य कार्यों पर जैसे निदाई-गुड़ाई पर 5-6 हजार तक का व्यय रहा। कृषि विज्ञान केन्द्र, बेमेतरा से जानकी जी लगातार सम्पर्क में रही हैं। यहाँ आकर उन्होंने जैविक खेती के महत्व को जाना तथा जैविक रूप से खाद दवाइयों तथा टॉनिक बनाने का तरीका सीखा। कृषि विज्ञान केन्द्र, बेमेतरा से उन्हें फसल अपशिष्ट अपघटक के उपयोग तथा उसके फायदों की जानकारी मिली। घर पर ही गोबर खाद, वर्मीकम्पोस्ट का निर्माण कर उसे ही उन्होंने खेत में नली-नांति उपयोग किया। वर्मीयास तथा बायों गैस स्लरी का भी उचित उपयोग से ये लाभान्वित हुईं। लगभग 50 विघटन के उत्पादन के साथ इन्होंने 4000 रु./विघटन की दर से 2 लाख की आय प्राप्त की। इस तरह ये लगातार कृषि विज्ञान केन्द्र से जुड़ी हैं तथा लगातार नई तकनीकियों के बारे में जान कर लाभ कमा रही हैं।</p>			
6.	तकनीक कितने वर्ष से अपना रहा है	:-	2 वर्ष
7.	तकनीकी जानकारी प्राप्त करने का स्थान	:-	कृषि विज्ञान केन्द्र, बेमेतरा
8.	तकनीकी का प्रसार-		
	अ. कृषकों की संख्या	:-	10
	ब. क्षेत्र विस्तार (हे./एकड़)	:-	6 हे.
9.	इस तकनीकी के अंतर्गत कुल क्षेत्र-		
	अ. किसान स्वयं का	:-	2 एकड़
	ब. अन्य किसानों का	:-	13 एकड़
10.	किसानों द्वारा स्वयं की तकनीक अपनाने से-		
	अ. सकल लाभ	:-	2,00,000/-
	ब. शुद्ध लाभ	:-	1,80,000/-
	स. प्रतिवर्ष राजगार उपलब्धता (दिनों में)	:-	365 दिन
11.	तकनीक की 4 जे.पी.ई.जी. फोटो	:-	

**सफलता कि कहानी-**



1.	नाम	:-	श्री होलूराम साहू
2.	पता	:-	ग्राम - खिलारा, तहसील एवं जिला - बेमेतरा (छ.ग.)
3.	शिक्षा	:-	12वीं
4.	उम्र व मोबाइल नम्बर	:-	35 वर्ष / 97533-21993
5.	तकनीक का नाम व विवरण (200 शब्दों में)	:-	
<p><b>“केले के खेती की उन्नत तकनीक”</b> श्री होलूराम साहू, ग्राम-खिलारा, जिला-बेमेतरा के एक उन्नतशैली युवा कृषक हैं जिन्होंने कृषि को ही अपने व्यवसाय के रूप में चुना है। ये प्रारंभ से ही बहुत जागरूक व मेहनती किसान रहे हैं साथ ही कृषि विज्ञान केन्द्र से मिली जानकारी व तकनीकी सुझाव से वैज्ञानिक पद्धति से कृषि प्रारंभ की। तत्पश्चात् इन्होंने परम्परागत केले की खेती छोड़कर टिशू कल्चर से पौध प्राप्त कर टपक सिंचाई पद्धति से खेती कर बहुत लाभ कमाया। एक हेक्टेयर में केले की खेती करने पर 1 लाख 80 हजार की लागत के पीछे 70 टन केले का उत्पादन कर 6 लाख 50 हजार रुपये की सकल आय प्राप्त की। इसके अलावा कृषि विज्ञान केन्द्र से अंतर्जातीय फसल पद्धति से होने वाले लाभों के बारे में जानकारी प्राप्त की। अंतर्जातीय फसलों के रूप में किसान ने केले के साथ कोचई, मक्का, मिंडी व चुटचुटिया का उत्पादन किया तथा कमशः 6 टन, 2 टन, 1 टन तथा 0.5 टन का उत्पादन प्राप्त किया। जिससे उन्हें कोचई, मक्का, मिंडी व चुटचुटिया की कमशः 84,000/- रुपये, 24,000/- रुपये, 35,000/- रुपये तथा 5000/- रुपये का अतिरिक्त आय हुआ।</p>			
6.	तकनीक कितने वर्ष से अपना रहा है	:-	1 वर्ष
7.	तकनीकी जानकारी प्राप्त करने का स्थान	:-	कृषि विज्ञान केन्द्र, बेमेतरा
8.	तकनीकी का प्रसार-		
	अ. कृषकों की संख्या	:-	8
	ब. क्षेत्र विस्तार (हे./एकड़)	:-	10 हे.
9.	इस तकनीकी के अंतर्गत कुल क्षेत्र-		
	अ. किसान स्वयं का	:-	1 हे.
	ब. अन्य किसानों का	:-	10 हे.
10.	किसानों द्वारा स्वयं की तकनीक अपनाने से-		
	अ. सकल लाभ	:-	7,98,000/-

## सफलता कि कहानी-



1.	नाम	:-	श्री मोहित साहू
2.	पता	:-	ग्राम - पड़कीडीह
3.	शिक्षा	:-	8वीं
4.	उम्र व मोबाइल नम्बर	:-	51 वर्ष / 83497-63494
5.	तकनीक का नाम व विवरण (200 शब्दों में)	:-	ग्राम - पड़कीडीह, जिला-बेमेतरा के निवासी श्री मोहित साहू जी प्रारंभ से ही जागरूक एवं मेहनती किसान रहे हैं। ये प्रारंभ से ही जैविक खेती करते आये हैं। जब से कृषि विज्ञान केन्द्र ने मोहित साहू जी से संपर्क किया तब से इन्होंने जैविक खेती को वैज्ञानिक पद्धति से करना प्रारंभ किया। इन्होंने 2 एकड़ में मुन्गे की जैविक खेती टपक विधि से लगायी। जैविक खेती के साथ वैज्ञानिक विधि अपनाते से पौष्टिक आहार के साथ आय में भी वृद्धि हुई। मुन्गे की ओडीसी किस्म को टपक विधि के द्वारा 2 एकड़ में लगाया। जैविक खाद के रूप में यर्मीकम्पोस्ट, गोबर की खाद, यर्मीकाश, बायो गैस का उपयोग किया। 2 एकड़ मुंगे की खेत में 30,000/- रु. का घ्यय बीज, टपक सिंचाई, मजदूर, निंदाई-गुड़ाई आदि लागत के रूप में लगा। अब तक लगभग 30 विंटेनल उत्पादन के साथ 2 लाख 40 हजार रूपयों की आय प्राप्त कर चुके हैं।
6.	तकनीक कितने वर्ष से अपना रहा है	:-	2 वर्ष
7.	तकनीकी जानकारी प्राप्त करने का स्थान	:-	कृषि विज्ञान केन्द्र, बेमेतरा
8.	तकनीकी का प्रसार-		
	अ. कृषकों की संख्या	:-	12
	ब. क्षेत्र विस्तार (है./एकड़)	:-	8 है.
9.	इस तकनीकी के अंतर्गत कुल क्षेत्र-		
	अ. किसान स्वयं का	:-	4 है.
	ब. अन्य किसानों का	:-	8 है.
10.	किसानों द्वारा स्वयं की तकनीक अपनाने से-		
	अ. सकल लाभ	:-	2,40,000/-
	ब. शुद्ध लाभ	:-	2,10,000/-
	स. प्रतिवर्ष रोजगार उपलब्धता (दिनों में)	:-	365 दिन
11.	तकनीक की 4 जे.पी.ई.जी. फोटो	:-	

## सफलता कि कहानी

### फसल प्रबंधन

श्री. मनीराम वर्मा, ग्राम-झाल, विकासखण्ड-बेमेतरा, जिला-बेमेतरा (छ.ग.)

योग कि उन्नत किरम इंदिरा योग-1, इंदिरा योग-2 पर नवोत्पत्ती स्ट्रेकिंग कर गालापाल ।

	कृषक का नाम	मनीराम वर्मा
	पिताजी का नाम	चूगन राम वर्मा
	उम्र	35 वर्ष
	शिक्षा-	12वीं
	भूमि	15 एकड़
	कृषि में अनुभव	14 वर्ष
	फसल	संम, रैंगन, मिर्च, बरबटी, भिण्डी
	सिंचाई	ट्यूबवेल
पशुपालन	गाय	

नये आवेक्षण का विवरण श्री. मनीराम वर्मा, बेमेतरा जिले के ग्राम झाल के एक प्रगतिशील युव कृषक हैं। उन्होंने कृषि को अपने जीवनकाल के रूप में चुना है। श्री. मनीराम वर्मा प्रारंभ से ही मार्परिक रूप से खेती करते रहे हैं। कृषि विज्ञान केन्द्र, बेमेतरा के सम्पर्क में आते ही वैज्ञानिक तरीके से खेती को शुरूवात की। उन्होंने अपने खेत के मेंडो पर एवं खेतों पर लगभग एक एकड़ क्षेत्र पर बॉस कि बरली से स्ट्रेकिंग कर इंदिरा गांधी कृषि विज्ञान विश्वविद्यालय, रायपुर को विकसित किरम इंदिरा योग-1 एवं इंदिरा योग-2, लगाया जिसमें से सबसे ज्यादा नंग इंदिरा योग-1 किस्म का है, जिसकी फसलों आदर्शक सफेद रंग, 4-5 सेमी. लम्बी, तथा 2-3 सेमी. चौड़ी होती है, जिनमें 3-4 बीज पाने जाते हैं, जो दिखने में आकर्षक बोरुड एवं खाने में स्वादिष्ट होते हैं। पहले कृषक दे" 1 किस्म लगाता था उसकी तुलना में इंदिरा योग-1 से उत्पादन में दुगुनी वृद्धि हो रही है। जो कि निम्नानुसार है- अभी तक किसान ने लगभग 8-10 तुड़ाई कर ली है जिसमें उन्होंने 30 किलोग्राम प्रतिदिन तुड़ाई करके 40 रूपयों बाजार मूल्य की दर से विक्रय/देहत है। कृषक ने अब तक 5-6 विंटेनल तुड़ाई कर चुका है, एवं जगमग 30,000 रूपयों का आय प्राप्ता कर चुका है, और उपज आना जारी है। संम कि उन्नत किस्म एवं स्ट्रेकिंग तकनीक का उपयोग कर उन्नत में 35-40 त्रिं" त वृद्धि हुई है।

Farmer's visit during 2018-19



Farmer's visit during 2018-19





Farmer's visit during 2018-19



# ATMA Training



# ATMA Training



## Plant disputation



Dignitaries visit



Dignitaries visit



kishan mela, Bemetara



Swachhatha Abhiyan activities





Swachhatha Abhiyan activities



Swachhatha Abhiyan activities



**KVK farm photographs**





KVK farm photographs







**कार्यालय, जिला पंचायत - बेमेतरा (छ.प्र.)**  
**महात्मा गांधी राष्ट्रीय ग्रामीण रोजगार गारंटी योजना**  
 Email ID :- dpo@nic.india.bmt@gmail.com / hpn@nic.gov.in / 02274 22224  
 :: प्रशासकीय स्वीकृति आवेदन ::



क्र. / 972 / विधि / MGNREGA / प्रशा.स्वी. / 2018-19, बेमेतरा, दिनांक 12/06/19

छ.प्र. शासन पंचायत एवं ग्रामीण विकास विभाग का पत्र क्रमांक/867/वि. 3/NRREGA/राजपुर दिनांक 02/02/2019 के तहत प्रवृत्त कार्यक्रमों का प्रयोग करते हुये महात्मा गांधी राष्ट्रीय ग्रामीण रोजगार गारंटी योजना अंतर्गत वर्ष 2018-19 हेतु निम्नलिखित कार्यों को लिए किस्तान्तन एजेन्सी वरिष्ठ वैज्ञानिक एवं प्रमुख, कृषि विज्ञान केंद्र बेमेतरा (राजपुर) कार्य का संपादन सम्बंधित ग्राम पंचायत के माध्यम से कराया जाना है। को लोके दर्शाए शर्तों के अधीन प्रशासकीय स्वीकृति प्रदान की जाती है :-

क्रिया एजेन्सी :- वरिष्ठ वैज्ञानिक एवं प्रमुख, कृषि विज्ञान केंद्र बेमेतरा (राशि लाख में)

क्र.	ग्राम पंचायत	ग्राम	कार्य का नाम	शुद्धि	वर्तमान स्वीकृति			प्रशासकीय स्वीकृति					
					रु.	दिनांक	राशि	मजदूरी	पति	नामची	प्रति	चंग	नहायोग
1	झाल	झाल	ग्राम कार्यपालन में निर्माण कार्य	20	9	25/01/2019	3.51	0.029	15	0.19	87	0.332	4.54
2	झाल	झाल	ग्राम कार्यपालन में निर्माण कार्य	20	11	25/01/2019	2.64	0.014	17	0.15	88	0.198	2.64
<b>योग</b>							<b>7.18</b>	<b>0.04</b>	<b>13</b>	<b>0.31</b>	<b>87</b>	<b>0.35</b>	<b>7.18</b>

(अक्षरों में राशि अतः लाख अड़सठ हजार रु. मात्र)

**कार्य संपादन की शर्तें :-**

- महात्मा गांधी राष्ट्रीय ग्रामीण रोजगार गारंटी अधिनियम के अधीन प्रवृत्त कार्यक्रम एवं प्रवृत्त कार्य शासन द्वारा निर्धारित मापदूर एवं निर्देशों का पालन करना अनिवार्य है।
- राष्ट्रीय ग्रामीण रोजगार गारंटी अधिनियम के प्रावधानों का कठोरता पूर्वक पालन किया जाए।
- कार्य में मजदूरी के रूप में प्रति व्यक्ति प्रतिदिन रु. 174.00 (एक सौ अठ्ठावन रुपये मात्र) उपयुक्त शासन द्वारा अद्यतन निर्धारित दर एवं एच.आर.डी.ए. पर ई.ए./ज.ए.ए.डी. के माध्यम से भुगतान किया जाएगा।
- प्रस्तावित कार्य वार्षिक कार्ययोजना में सम्मिलित होना चाहिए।
- मस्टरप्लान में जोड़कर कार्य का कार्य प्रारंभ करने से पूर्व मस्टरप्लान को अद्यतन कर लेना अनिवार्य है।
- प्रशासकीय स्वीकृति प्रदान किये जाने पर प्रवृत्त अनुसार ही कार्य किया जाना सुनिश्चित करें एवं कार्य प्रारंभ करने से पूर्व विधिकता से निजा दिये जाये तथा मजदूरों को कार्य के सन्दर्भ में तथा शासन द्वारा प्रवृत्त मजदूरी दर एवं कार्य की मात्रा के संबंध में वैकल्पिक जानकारी दी जाए।
- महात्मा गांधी राष्ट्रीय ग्रामीण रोजगार गारंटी अधिनियम के अंतर्गत नाम प्राप्त होने पर ही कार्य प्रारंभ किया जाए।
- कार्य प्रारंभ करने के पूर्व ग्राम में विविध रूप से पुष्टी कराई जाए।
- कार्य प्रारंभ की सफलतापूर्वक में संबंधित अधिकारियों को देना होगा, साथ ही ग्राम संचालक मंडल एवं ग्राम सार्वजनिक स्थलों पर भी इसकी सूचना प्रसारित किया जावेगा।
- कार्य में कार्ययोजना अधिकांश द्वारा उचित कार्य हेतु ग्राम मस्टरप्लान का ही प्रयोग किया जाए। मस्टरप्लान की एक प्रति ग्राम संचालक एवं ग्रामपंच मंडल में अनिवार्य दी जाए। विभिन्न तहसील मस्टरप्लान में नियोजित मजदूरी की दर एवं एच.आर.डी.ए./ज.ए.ए.डी. पर भुगतान दर पुष्टीकरण किया जाए।
- मजदूरों को 14 दिन से अधिक का प्रस्तावित मजदूरी भुगतान करना अनिवार्य है।
- कार्य की मासिक/त्रैमासिक प्रगति प्रतिवेदन निर्धारित प्रकार में अलग-अलग कार्यालय में अनिवार्य जमा करना होगा।
- कार्य प्रारंभ करने के पूर्व संबंधित एजेन्सी नाम, उद्देश्य मंत्रों में अनिवार्य रूप से लयावे।
- प्रति संपादन अर्थात् रूप से प्रत्येक कार्य का प्रवृत्त कर मजदूरी भुगतान बैंक/ज.ए.ए.डी. के माध्यम से कराया जाये।

*[Handwritten signature]*

**कार्यालय कलेक्टर, (जिला योजना एवं सांख्यिकी)**  
**(संयुक्त कलेक्ट्रेट भवन, प्रथम तल, कक्ष क्र. 55 बेमेतरा छ.प्र.)**  
 Email ID :- dpo@nic.gov.in / DMF Phone No. :- 07824.22226

क्रमांक 628/2018/जि.यो.सा.का./DMF //आदेश//  
 बेमेतरा, दिनांक 12/6/2018

छ.प्र. जिला खनिज संस्थान न्यास नियम 2015 में दिए गए प्रावधान अनुसार दिनांक 21.05.2018 को जिला खनिज संस्थान न्यास (DMF-fund) की शासी परिषद की बैठक आयोजित की गई थी। उक्त बैठक में जिला खनिज न्यास संस्थान अन्तर्गत जिले को प्राप्त आवंटन में से अनुमोदित कार्य एवं कार्य के समझ दर्शायी गई राशि की प्रशा. स्वी. निम्नानुसार प्रदाय की जाती है।

(राशि रु. लाख में)

क्र.	कार्य का नाम	अनुमोदित राशि	तक. स्वी. क्र./दि.	तक. स्वी. राशि	प्रशा.स्वी. राशि	प्रदाय राशि प्रथम किस्त	एजेन्सी का नाम
1	10 स्कूलों/छात्रावास/कृषकों के बाड़ी में पोषण वाटिका लगाने का कार्य	1.50	45/03.05.18	1.50	1.50	1.50	वरिष्ठ वैज्ञानिक एवं प्रमुख, बेमेतरा
2	ग्राम पंच. हथमुडी के आश्रित ग्राम बोरिया में पक्की नाली निर्माण कार्य ( मजदूरी कार्य मनरेगा से)	5.00	44/08.06.18	5.00	5.00	2.50	मुख्य कार्यपालन अग्नि, ज.प्र. बेमेतरा
3	डोटू व्यपवर्तन योजना की बायी तट नहर के आर.डी. 7680 पर एक्वाडक्ट का निर्माण कार्य	50.00	2670/14.05.18	50.00	49.51316	25.00	कार्य अग्नि, जल संसाधन बेमेतरा
4	ग्राम संबलपुर के बस स्टैण्ड में क्राकीटीकरण निर्माण हेतु (मजदूरी कार्य मनरेगा से)	46.00	01/17.05.18	46.00	39.32	20.00	कार्य अग्नि, ग्रा.या.से.सं. बेमेतरा
6	पशुओं के उपचार हेतु नवीन पशु शेड निर्माण हेतु	15.00	543/29.07.17	15.00	9.278	4.60	कार्य अग्नि, ग्रा.या.से.सं. बेमेतरा
7	पुराना कलेक्ट्रेट भवन, बेमेतरा में स्थापित सौर संचयन को स्थानांतरित कर नये संयुक्त जिला कार्यालय एवं कलेक्ट्रेट भवन में स्थापना कार्य	1.30		1.30	1.30	1.30	सहायक अभियंता, कंडा बेमेतरा
<b>योग</b>		<b>118.8</b>		<b>118.8</b>	<b>105.91116</b>	<b>54.90</b>	

*[Circular stamp: जिला योजना एवं सांख्यिकी कार्यालय, बेमेतरा, दिनांक 12/06/18]*

*[Handwritten signature: Kaur]*

**प्रशासकीय स्वीकृति निम्न शर्तों के अधीन होगी :-**

- उक्त स्वीकृति कार्यों के संबंध में निर्माण एजेन्सी यह सुनिश्चित करेगी कि ये निर्माण कार्य अन्य किसी योजना में शामिल नहीं होने चाहिए, अन्य योजना में कार्य स्वीकृत होने की स्थिति में यह प्रशासकीय स्वीकृति स्वमेव निरस्त माना जाये।
- निर्माण एजेन्सी यह सुनिश्चित करे कि इस योजना के तहत स्वीकृत फण्ड का अलग लेखा संचालित करे।
- कार्य एजेन्सी राज्य के वित्तीय नियमों का एवं संबंधित विभाग के कार्य नियमों का पालन करते हुए निर्माण कार्य सम्पन्न करेगी।