



***KRISHI VIGYAN KENDRA
BOKARO***



ACTION PLAN

(2014-2015)

**ZONAL WORKSHOP OF KVKs
ZONE-II**

VENUE: NIRJAFT, KOLKATA

Date: 2-3 June 2014

BIRSA AGRICULTURAL UNIVERSITY

KANKE, RANCHI

**BIRSA AGRICULTURAL UNIVERSITY
KANKE, RANCHI (JHARKHAND)**

Action Plan 2014-15

1. Name of the KVK : Krishi Vigyan Kendra Bokaro
2. Name of host organization : Birsa Agricultural University, Ranchi
3. Training programme to be organized : (April 2014 to March 2015)

(a) Farmers and farmwomen – On Campus

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Crop production															
Integrated crop management	SRI technology of paddy	1	2	5	-	5	5	-	5	15	-	15	25	-	25
	Cultivation practice of kharif oilseed and pulses	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Production technology of summer maize, baby corn & sweet corn	1	2	-	-	-	5	-	5	20	-	20	25	-	25
	Cultivation practice of rabi pulses crops	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Cultivation practice of rabi oilseed crops	1	2	-	-	-	-	-	-	25	-	25	25	-	25
	Cultivation practice of sweet potato	1	1	-	-	-	5	-	5	20	-	20	25	-	25
	Cultivation practice of wheat	1	1	-	-	-	5	-	5	20	-	20	25	-	25
	Weed management	1	2	-	-	-	5	-	5	20	-	20	25	-	25
Cropping system	Intercropping system in upland condition	1	2	-	-	-	-	-	-	15	10	25	15	10	25
Total		9	16	5		5	45		45	165	10	175	215	10	225
Soil health & fertility management															
Integrated nutrient management	Integrated nutrient management in major cereal crops	2	2	-	-	-	10	10	20	20	10	30	30	20	50
	Integrated nutrient management modules of vegetable crops	1	3	-	-	-	-	-	-	15	10	25	15	10	25
Micro nutrient deficiency	Micro nutrient deficiency in crop	1	2	-	-	-	15	10	25	-	-	-	15	10	25
	Sulphur	1	2	-	-	-	15	10	25	-	-	-	15	10	25

	management in oilseed crops														
Management of problematic soil	Management of acid soil	1	2	10	-	10	-	-	-	15	-	15	25	-	25
Soil fertility management	Fertility management in SRI hybrid rice	1	2	-	-	-	-	-	-	20	5	25	20	5	25
Production and use of organic inputs	Use of bio-fertilizer in pulse & vegetable crops	1	2	-	-	-	-	-	-	15	10	25	15	10	25
	Production & use of organic inputs	2	3	-	-	-	20	-	20	30	-	30	50	-	50
Total		10	18	10		10	60	30	90	115	35	150	185	65	250
Horticulture															
Nursery raising	Nursery raising for off season vegetable	1	2	-	-	-	15	-	15	35	-	35	50	-	50
Integrated crop management															
	Intercropping system in vegetable crops	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Cultivation practice of potato	2	2	-	-	-	-	-	-	40	10	50	40	10	50
	Cultivation practice of bulbs crops	1	2	-	-	-	10	5	15	10	-	10	20	5	25
Exotic vegetables	Cultivation practice & management of Broccoli, red cabbage	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Production and management technology	Cultivation practice of ginger & turmeric	1	2	-	-	-	10	5	15	10	-	10	20	5	25
	Production technology of tuber crops	1	4	-	-	-	10	-	10	15	-	15	25	-	25
Production of low volume and high value crop	Production technology of exotic variety of broccoli, capsicum, cabbage	1	2	-	-	-	10	5	15	10	-	10	20	5	25
Total		9	18				75	15	90	150	10	160	225	25	250

Plant Protection															
Production of bio control agents and bio pesticides	Production technology and use of bio-control agents and bio-pesticides	1	4	-	-	-	-	-	-	20	5	25	20	5	25
Integrated Pest Management	Integrated pest management in vegetable crops	1	2	-	-	-	-	-	-	25	-	25	25	-	25
	Control of termite in wheat & red gram	1	3	-	-	-	10	-	10	15	-	15	25	-	25
Seed treatment	Seed treatment of cereals, pulses & vegetable & oilseed	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Production of bio-pesticide	Production technology and use of bio pesticide	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Integrated Disease Management	Control of bacterial and fungal disease in vegetable crop and cereals	2	2	-	-	-	25	-	25	25	-	25	50	-	50
Lac culture	Lac cultivation	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		8	17				65		65	130	5	135	195	5	200
Agril. Engg.															
Repair and maintenance of farm machinery	Care & maintenance of diesel engine, pump set and farm implements	1	5	-	-	-	10	-	10	15	-	15	25	-	25
	Use of farm machinery in crop production	2	5	-	-	-	10	-	10	40	-	40	50	-	50
Soil & water conservation	Rain water harvesting techniques	1	2	10	-	10	15	-	15	-	-	-	25	-	25
	Efficient water management in cereals crops	1	3	-	-	-	-	-	-	25	-	25	25	-	25
Installation & maintenance of micro irrigation system	Use of drip irrigation system in vegetable crops	2	4	-	-	-	10	-	10	40	-	40	50	-	50
Use of plastic in farming practice	Use of plastic in agriculture	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		8	21	10		10	55		55	135		135	200		200

Home Science/ women empowerment															
Nutrition security	Use and inclusion of byproduct of farm produce in regular diet	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Uncultivated and forest based different kind of product preparation and consumption at home scale	1	2	-	5	5	-	10	10	-	10	10	-	25	25
Food preservation	Low cost preservation techniques of different food items	1	3	-	5	5	-	10	10	-	10	10	-	25	25
Capacity building	Need of personal care,sanitation & hygiene for farm women	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Formation and functioning of SHG in village	1	2	-	5	5	-	10	10	-	10	10	-	25	25
	Awareness programme related to market led work of income generation activity	1	2	-	-	-	10	-	10	15	-	15	25	-	25
	Food processing and preservation based income generation activity for farm women	1	2	-	5	5	-	10	10	-	10	10	-	25	25
Post harvest management	Post harvest management of different kind of food items	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		8	17		30	30	20	60	80	30	60	90	50	150	200
Live stock															
Piggery Management	Piggery management	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Poultry Management	Disease and feed management in poultry	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Disease & feed management	Disease and feed management in goat	1	2	-	-	-	10	-	10	15	-	15	25	-	25
Total		3	6				30		30	45		45	75		75
Fisheries															
Fish farming	Composite fish farming	1	3	-	-	-	-	-	-	25	-	25	25	-	25
Total		1	3	-	-	-	-	-	-	25	-	25	25	-	25
Grand total		56	116	25	30	55	350	105	455	795	120	915	1170	255	1425

Farmers and farmwomen – Off Campus

Thematic Area*	Title	No. of courses	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Crop production															
Nursery raising	Nursery raising paddy crop	1	1	-	-	-	5	5	10	15	5	20	20	10	30
Integrated crop management	Production Technology SRI	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Production Technology SWI wheat	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Cultivation practice of wheat	1	1	5	-	5	5	-	5	20	-	20	30	-	30
	Cultivation practice of pigeon pea & black gram	1	1	-	-	-	-	-	-	20	10	30	20	10	30
	Production Technology of soybean	1	1	-	-	-	-	10	10	-	20	20	-	30	30
	Production Technology of mustard & linseed	1	1	-	-	-	20	10	30	-	-	-	20	10	30
Total		7	7	5		5	30	45	75	55	75	130	90	120	210
Soil health & fertility management															
Soil & water testing	Method of soil sampling	1	1	-	-	-	5	5	10	15	5	20	20	10	30
INM	Nutrient management in cereals	1	1	5	-	5	5	-	5	20	-	20	30	-	30

Bio control	Benefit and use of rizobium culture in pulse crops	1	1	-	-	-	-	10	10	-	20	20	-	30	30
Micronutrient deficiency	Control of different micronutrient disorders in vegetable crops	1	1	-	-	-	10	5	15	10	5	15	20	10	30
Integrated nutrient management	Importance of potassic fertilizer for tuber crops	1	1	-	-	-	10	5	15	10	5	15	20	10	30
	Sulphur and phosphate management in oilseed crops	1	1	10	-	10	-	-	-	20	-	20	30	-	30
Production and use of organic inputs	Organic farming	1	1	-	-	-	10	5	15	10	5	15	20	10	30
Total		7	7	15		15	40	30	70	85	40	125	140	70	210
Horticulture															
Production of low value & high value crop	Off season vegetables cultivation for income generation	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Integrated crop management	Cultivation practice of leguminous vegetable	1	1	-	-	-	10	-	10	20	-	20	30	-	30
	Cultivation practices of bulbs crop	1	1	-	10	10	-	20	20	-	-	-	-	30	30
	Cultivation practices of fruit	1	1	-	-	-	10	-	10	20	-	20	30	-	30

	vegetable															
	Cultivation practices of cole crop	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
Production & management (Spices)	Practice & management of ginger & turmeric	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
Total		6	6			10	10	50	20	70	100		100	150	30	180
Plant Protection																
Integrated pest management	Integrated pest management in cereal crop	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
	Integrated pest management in vegetable crop	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
	Weed management of Parthenium	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
Bio- control	Use of bio-pesticide in brinjal	1	1	-	-	-	5	5	10	15	5	20	20	10	30	
Integrated disease management	Integrated disease management in cereals, vegetables, pulses & oilseeds	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
Seed treatment	Seed treatment in oilseed, cereals, pulses & vegetable crops	1	1	-	-	-	10	-	10	20	-	20	30	-	30	
Total		6	6				55	5	60	115	5	120	170	10	180	

Agri. Engg.															
Soil & water conservation	Low cost of water harvesting technique	1	1	-	-	-	10	-	10	20	-	20	30	-	30
	Soil and water conservation technique	1	1	-	-	-	10	-	10	20	-	20	30	-	30
Repair & maintenance of farm machinery and implements	Micro irrigation in vegetable production	1	2	-	-	-	10	-	10	20	-	20	30	-	30
	Farm mechanization in paddy cultivation	1	1	-	-	-	-	-	-	30	-	30	30	-	30
Post Harvest Technology	Post harvest management of cereal crops	1	1	-	-	-	-	10	10	-	20	20	-	30	30
Use of plastic in farming practice	Importance of mulching through plastic	1	1	-	-	-	-	-	-	30	-	30	30	-	30
Total		6	7				30	10	40	120	20	140	150	30	180
Home Science/ women empowerment															
Minimization of nutrient loss in processing	Proper pre-cooking and cooking practices for nutrient saving during processing	1	2	-	5	5	-	10	10	-	15	15	-	30	30

Capacity building	Formation and functioning of Self Help Group in villages	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Different income generation activities for farm women	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Gender main streaming programme through group activity in SHG	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Nutrition Security															
	Pregnant women and lactating related diet based awareness programme	1	2	-	5	5	-	10	10	-	15	15	-	30	30
	Infant and small children related healthy diet related awareness programme	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Post harvest	Post harvest management of different kind of food items i.e. sweet potato	1	2	-	5	5	-	10	10	-	15	15	-	30	30

	Awareness programme related to the use of different kind of medicinal plant	1	2	-	5	5	-	10	10	-	15	15	-	30	30
Total		8	16		40	40		80	80		120	120		240	240
Live stock production and management															
	Vaccination scheduling in poultry	1	1	-	5	5	-	10	10	-	15	15	-	30	30
Disease management	Disease and feed management in goat & pig	1	1	-	5	5	-	10	10	-	15	15	-	30	30
Total		2	2		10	10		20	20		30	30		60	60
Grand total		42	51	20	60	80	205	210	415	475	290	765	700	560	1260

(b) Rural youths/Skill development

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Seed production	Seed production technology of paddy	2	5	-	-	-	10	-	10	40	-	40	50	-	50
Nursery management of horticultural crop	Nursery management of fruit and vegetable crop	1	5	-	-	-	10	-	10	15	-	15	25	-	25
Mushroom production	Mushroom production	2	7	-	10	10	-	15	15	-	25	25	-	50	50
Bee keeping	Bee keeping	1	5	-	-	-	10	-	10	15	-	15	25	-	25

Lac culture	Utilization of indigenous host plant for lac cultivation	1	5	-	-	-	10	-	10	15	-	15	25	-	25
Integrated farming	Integrated farming system	1	5	-	-	-	10	-	10	15	-	15	25	-	25
	Vermi compost, enriched compost & Phospho compost production technology of	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Post harvest management	Post harvest management and value added produce formulation for income generation														
		1	7	-	5	5	-	10	10	-	10	10	-	25	25
Drafting & stitching of garments	Drafting & stitching of female garments and small children														
		1	7	-	5	5	-	10	10	-	10	10	-	25	25
Garand Total		11	53		20	20	60	35	95	115	45	160	175	100	275

(c) Extension functionaries

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Productivity enhancement in field crop	Advances in production technology of oilseed & pulses	2	2	6	-	6	14	-	14	30	10	40	50	10	60
Integrated nutrient management	Advances in production technology of organic inputs	1	2	-	-	-	10	5	15	10	5	15	20	10	30
Soil and water conservation	Installation and maintenance of drip irrigation and sprinkler	1	2	-	-	-	5	5	10	15	5	20	20	10	30
Horticulture	Advance technology for nursery raising	1	2	-	-	-	10	-	10	20	-	20	30	-	30
Capacity building for ICT application	Use of mobile ,internet and IVRS	1	2	-	-	-	5	-	5	25	-	25	30	-	30
Market led	Market led extension	1	1	5	-	5	5	-	5	20	-	20	30	-	30
Climate resilient agriculture	Climate resilient agriculture	1	2	-	-	-	5	-	5	25	-	25	30	-	30
Women empowerment	Women empowerment through secondary agriculture	1	2	-	-	-	5	-	5	25	-	25	30	-	30
Health education	Awareness programe for use of medicinal plant	1	2	-	-	-	5	-	5	25	-	25	30	-	30
Grand Total		10	17	11		11	64	10	74	195	20	215	270	30	300

(d) Sponsored

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		Total
				M	F	T	M	F	T	M	F	T	M	F	
Capacity building	Agriculture allied	20	5		-	75		-	225		-	300			600
Total		20	5		-	75		-	225		-	300			600

(e) Vocational

Thematic Area*	Title	No. of course	Duration	No. of participants											
				SC			ST			OTH			Total		G. Total
				M	F	T	M	F	T	M	F	T	M	F	
Mushroom Production	Production technology of Mushroom	2	20	-	-	-	-	20	20	-	30	30	-	50	50
Repair & maintenance of farm machinery and implements	Repair & maintenance of diesel engine, pump set and farm implements	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Production of organic inputs	Production technology of vermi-compost and phospho compost and its uses	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Value addition	Development of food processing and preservation based enterprises	1	7	-	-	-	10	-	10	15	-	15	25	-	25
Total		5	41				30	20	50	45	30	75	75	50	125

*Thematic area to be matched with annual report format

4. Frontline demonstration

Season	Crop	Variety	No. of demonstration	No. of area (ha)
	Pulse			
Kharif	Pigeon pea	ND – 1/ Malwiya, Birsar Arhar-1	25	5.0
Rabi	Lentil	PL-406	10	2.0
	Oilseed			
Kharif	Niger	Puja / Improved	10	2.0
Kharif	Groundnut	TG-22/ Improved	10	2.0
	Soybean	Birsar soybean-1	10	2.0
Rabi	Mustard	Rajendra suphla	25	5.0
	Cereals			
Kharif	SRI	Improved /hybrid	20	5.0
	Rice	Sahbhagi /hybrid	25	10
	Maize	PEHM-1	10	2.0
	Maize (Sweet corn)	Sugar-75	10	1.0
Kharif	Nutrient management in Sweet potato		20	5.0
	Vegetable			
Rabi	Pea	JK-124	15	2.0
Rabi	Tomato	Laxmi, Nandini	20	2.0
Summer	Bitter gourd	Pali	25	1.0
Rabi	Cauliflower	Girja, Sweta, Lucky	20	1.0
Summer	Innovative vegetable production model		5	1.0
Rabi	Capsicum	-	10	2.0
	Other technology			
Kharif	Use of drum seeder		10	2.0
Kharif	Use of sitting type groundnut decorticator		10	2.0
Rabi	Zero till seed-cum- fertilizer drill		10	2.0
Rabi	Use of potato digger		10	2.0
Rabi & kharif	Lac culture		25	25 Unit
	Piggery	T&D breed	3	3 unit

5. Seed and planting material production

Seed		Planting material	
Crop	Area	Crop	Area
Rice		Mango	250 Nos.
MTU -7029	1.0	Guava	250 Nos.
Lalat/Navin	2.0		
Abhishek/ Shahabhagi	2.0		
Pulse			
Pigeon pea ND-1/Improved	0.5		
Oilseed			
Niger Birsa Niger-1/Puja	0.5		
Dhaincha Improved	0.5		
Turmeric	0.1		
Total	6.6		

6. Extension Activities

Activities	No.	Participants
Field Day	5	150
Kisan Mela	2	2000
Kisan Ghosthi	5	200
Exhibition	5	500
Film Show	50	1500
Method Demonstrations	5	50
Farmers Seminar	2	100
Workshop	2	100
Group meetings	2	100
Lectures delivered as resource persons	100	
Newspaper coverage	15	
Radio talks	1	
TV talks	12	
Popular articles	4	
Extension Literature	10	
Advisory Services	100	500
Scientific visit to farmers field	100	100
Farmers visit to KVK	1500	1500

Diagnostic visits	20	200
Exposure visits	2	60
Ex-trainees Sammelan	2	100
Soil health Camp	2	50
Animal Health Camp	2	50
Agri mobile clinic	0	0
Soil test campaigns (Analysis)	2	50
Farm Science Club Conveners meet	1	25
Self Help Group Conveners meetings	1	25
Mahila Mandals Conveners meetings	1	50
Celebration of important days (specify)	2	100
Help line service	1500	1500
Any Other (Technology Week)	1	500

7. Revolving Fund

Open balance	Amount to be invested	Return

8. Expected fund utilization

Project	Source	Amount to be received (Rs. in lakh)

9. On-farm trials to be conducted

Thematic area	Title	Treatments	No. of farmers
Soil fertility management	1. Nutrient management of SRI paddy in medium land condition.	Farmers practice - N 60kg + P ₂ O ₅ 25 kg+ K ₂ O 10 kg/ha	8
		Technological option i - RDF (N 80kg + P ₂ O ₅ 40 kg+ K ₂ O 20 kg/ha)	
		Technological option ii – (N 120kg + P ₂ O ₅ 60 kg+ K ₂ O 50 kg /ha[two split])	
		Technological option iii – Site Specific Nutrient Management (SSNM) treatments	
Integrated crop management	2. Effect of sowing method on productivity of wheat under late sown condition.	Farmers practice - Broadcasting method (Broadcasting of seed and making ridges for irrigation using 250-300 kg seed/ha)	10
		Technological option i - Recommended sowing method (Line sowing with recommended seed rate 150 kg/ha at 20 cm row to row spacing)	
		Technological option ii - SWI method (Sowing of sprouted wheat seed using specific culture at 20x20 cm spacing with 20 kg/ha seed rate (2 seeds/ hill))	
		Technological option iii – Modified SWI method (Sowing of sprouted wheat seed at 20x20 cm spacing with 20 kg/ha seed rate (2 seeds/ hill))	
Integrated Nutrient management	3. IPNI Nutrient Expert Trial on wheat	Farmer's Practice	10
		Technological option i - State recommended dose (N 80kg + P ₂ O ₅ 40 kg+ K ₂ O 20 kg/ha)	
		Technological option ii -IPNI Nutrient expert dose	
Integrated Nutrient management	4. IPNI Nutrient Expert Trial on maize	Technological option i - Recommended dose (N 120kg + P ₂ O ₅ 60 kg+ K ₂ O 40 kg/ha)	10
		Technological option ii - IPNI Nutrient Expert dose	
Use of organic inputs	5. Nutrient management in cauliflower through organic inputs.	Farmers practice - (N 200kg + P ₂ O ₅ 84 kg+ K ₂ O 136 kg/ha) + 20 ton FYM	10
		Technological option i - 50% N through organic inputs (FYM @ 10 ton/ha + vermi compost @ 22q/ha + Karanj cake 8.2 @ q/ha)	
		Technological option ii - 50% N through organic inputs (FYM @ 10 ton/ha + vermi compost @ 22q/ha + Karanj cake 8.2 @ q/ha) + 50% of RDF(200:100:60) through inorganic fertilizers.	

Integrated pest management	6. Control of rice stem borer <i>Scirpophagus incertulus</i> Walker and leaf folder <i>Cnaphalocrocis medinalis</i> (Guenee) in low land condition	Farmers practice - Use of Phorate 10G @12 – 15 kg/ha	10
		Technological option i - Nursery management use of Carbofuran 3 G (30kg/ha) 5 days before transplanting.	
		Technological option ii - Nursery management use of Carbofuran 3 G (30kg/ha) 5 days before transplant + 1 spray of Fipronil 5% SC 2 ml/lit water 20-30 DAT	
		Technological option iii - Use of Trychogramma-Chilonius @ 35 cards/ha (3 application at 7 days interval) starting from 30 DAT after appearance.	
Integrated pest management	6. Evaluation of insecticide and bio-pesticide for the control of chilli thrips <i>Scitothrips dorsalis</i> (Hood)	Farmers practice – 3 spray of Acephate 75% SP 2g/lit water + Sulphur 1g/lit water.	10
		Technological option i - 2 spray of Acetamiprid 20% SP @ 2g/lit water at 30 and 50 DAT.	
		Technological option ii – Use of NSKE 5% at 30 and 50 DAT	
		Technological option iii - One spray NSKE 5% at 30 DAT + one spray of Acephate 75% SP 2g/lit water	
Vegetable production & water management	8. Effect of irrigation method and mulching on yield of tomato.	Farmer's practice - Furrow irrigation without mulching	07
		Technological option i - Furrow irrigation + black polythene mulch	
		Technological option ii - Raised bed and furrow irrigation + black polythene mulch	
Farm machinery & crop production	9. Use of different puddling method in paddy cultivation.	Farmer's practice - Puddling through Deshi plough	07
		Technological option i - Puddling through animal drawn zig-zag puddler (TNAU)	
		Technological option ii – Puddling through animal drawn puddler (IIT Kharagpur)	
Vegetable production system	10. Evaluation of heat tolerant cauliflower varieties for summer season	Farmers practice - Himlata	10
		Technological option i - Sungrow- 110	
		Technological option ii - Sungrow- 370	
		Technological option iii - Cemenies - Don	
Vegetable production system	11. Response of weed control measures in carrot.	Farmers practice - Manual weeding	10
		Technological option i - Spraying of Oxyfluorfen (50g a.i)	
		Technological option ii - Spraying of Oxyfluorfen (100g a.i)	
		Technological option iii - Spraying of	

		Pendimethalin (1kg a.i)	
		Technological option iv - Spraying of Pendimethalin (0.5 kg a.i)	
Resource conservation technology	12. Use of sweet potato based composite flour for daily consumption	Farmers practice - Direct consumption of sweet potato after boiling	8
		Technological option i - Use of sweet potato based composite flour –I for daily consumption Formulation-I : Sweet potato flour 66%, wheat flour 8%, Bengal gram flour 20%, Refined oil 6.0%	
		Technological option ii - Use of sweet potato based composite flour-II for daily consumption. Formulation-II : Sweet potato flour 66%, maize flour 8%, Bengal gram flour 20%, Refined oil 6.0%	
Value addition	13. Use of Mahua (flower) as mahua laddoo / lattha	Farmer's practice - Use of mahua flower without preservatives (Mahua flower: Wheat 2:1)+ sugar	07
		Technological option i – Use of nutritious mahua laddoo with preservatives (Mahua flower: Wheat: Groundnut :: 8:4:3)+ sugar + GMS (0.1%)	
		Technological option ii- Use of nutritious mahua laddoo with preservatives (Mahua flower: Maize: Groundnut :: 8:4:3)+ sugar + GMS (0.1%) Note: 1. Mahua laddoo is locally called as mahua latha. 2. Wheat, maize, groundnut will be in rosted form 3. All laddoo have to prepared from sundried mahua flower.	

10. List of Projects to be implemented

Name of the project	Fund expected (Rs. In lakh)
Assessment & refinement of technology, ATMA, Bokaro	2.0
Capacity building , ATMA, Bokaro	10.0
PROJECT PROPOSAL FOR TECHNOLOGY TRANSFER IN AGRICULTURE, NABARD, Bokaro	24.825

11. No. of success stories to be developed - 2 nos

12. Scientific Advisory Committee

Date of SAC meeting held during 2013-14	Proposed date
19.03.2014	February 2015

13. Soil and water testing

	No. of samples to be analyzed
Soil	50
Plant	50
Manure	10

14. Staff position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	-	-	-	-	-	-	-
2	Subject Matter Specialist	Sri Uday Kumar	I/C Programme Coordinator & SMS	Agronomy	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 27390.00	19-07-04	Permanent	Others
3	Subject Matter Specialist	Dr. Anil Kumar	SMS	Horticulture	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 29790.00	19-07-04	Permanent	Others
4	Subject Matter Specialist	Dr. Sudhir Kumar Jha	SMS	Soil Science	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 29790.00	20-07-04	Permanent	Others
5	Subject Matter Specialist	Sri Vinay Kumar	SMS	Agril. Engg.	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 27390.00	20-07-04	Permanent	Others
6	Subject Matter Specialist	Mrs Neena Bharti	SMS	Plant Protection	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 27390.00	20-07-04	Permanent	ST
7	Subject Matter Specialist	Mrs. Nandana Kumari	SMS	Home Science	PB(15600 - 39100) GP- Rs.6000.00 Basic- Rs. 27390.00	19-07-04	Permanent	Others
8	Programme Assistant	Mrs Smita Shweta	Programme Assistant	Fishery Science	PB (9300-34800) GP-Rs. 4200.00 Basic- Rs. 18730.00		Permanent	Others
	Assistant	Sri T.N. Tiwari	Assistant		PB (9300-34800) GP-Rs. 4800.00 Basic- Rs. 23770.00		Permanent	Others
9	Computer Programmer	Naman Kandulna	Computer Assistant		PB (9300-34800) GP-Rs. 4200.00 Basic- Rs. 17490.00	20-07-2004	Permanent	ST
10	Farm Manager	-	-	-	-	-	-	-
11	Accountant / Superintendent	Sri Abhay Kumar Singh	O.S.cum Accountant	-	9300.00		Contractual Staff	Others
12	Stenographer	Sri Ratnesh Kumar Mishra	Stenographer	-	5200.00		Contractual Staff	Others
13.	Driver	Sri Ranchandra Lohar	Driver	-	5200.00		Contractual Staff	Others
14.	Driver	Sri Panchanand Mahto		-	5200.00		Contractual Staff	Others
15.	Supporting staff	Sri Ruplal Marandi		-	4440.00		Contractual Staff	ST
16.	Supporting staff	Sri Durga Prasad Mahto		-	4440.00		Contractual Staff	Others

15. Status of infrastructure

S. No.	Name of building	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed	500		I.C.A.R.
2.	Farmers Hostel					Completed	300		I.C.A.R.
3.	Staff Quarters (6)			Completed up to lintel level		Incomplete	400		I.C.A.R.
4.	Piggery unit	Not yet started							
5.	Fencing					Completed			District Administration
6.	Rain Water harvesting structure					Incomplete (Micro irrigation system is not installed)	120x120 x10 ft pond		I.C.A.R.
7.	Threshing floor					Completed			I.C.A.R.
8.	Farm godown					Completed			I.C.A.R.
9.	Farm godown					Completed			District Administration
10.	Preservation unit					Completed			I.C.A.R.
11.	Dairy unit	Not started							
12.	Poultry unit	Not started							
13.	Goatary unit	Not started							
14.	Mushroom Lab	Not started							
15.	Mushroom production unit								
16.	Shade house	Not started							
17.	Soil test Lab					Completed			District Administration
18.	ATIC centre					Completed			District Administration
19.	IT Infrastructure					Completed			I.C.A.R.
20.	Plant diagnostic lab	Not started							I.C.A.R.
21.	Irrigation channel	Not started							I.C.A.R.
22.	Deep boring	Failed							I.C.A.R.
	Others, Please Specify								

16. Fund requirement and expenditure (Rs.)

	Expenditure (last year) (Rs.)	Expected requirement (Rs. in lakh)
Recurring Pay & allowance		
Contingency		
TA		
Non-recurring (specify) – Repairing and Maintenance of building and other infrastructure		

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