

The development departments namely Agriculture, Horticulture, Animal Husbandry & fishery have a technical setup which is catering to the needs of the farming community of Bokaro district, besides these K.V.K., Bokaro are also helping the farming community through research and dissemination of the latest tested technologies in the farmer's field.

Various organization and institutions in public, co-operative and private sectors are functioning in the district to cater to the needs of farmers pertaining to production, processing and marketing of agricultural and other produce. Following description presented in briefs and institutions.

#### **4.1 Krishi Vigyan Kendra, Bokaro.**

The Krishi Vigyan Kendra, Bokaro sanctioned by the Indian Council of Agricultural Research (ICAR), was established by Vide letter No. of ICAR- F.No. 6-5/2000-AE-1 dated 24-6-2004 under administrative control of Birsa Agricultural University, Ranchi. The Kendra is an institutionalized structure to serve as a model to demonstrate the science and technology inputs for agricultural development. The main principal behind the establishment of K.V.K. is to popularize and disseminate agriculture technology to the doorstep of the farming community in Bokaro district of Jharkhand.

**Mandate Of K.V.K.** *Technology assessment, and refinement and through on farm testing, frontline demonstrations, general of production data and feedback information through production enhancement and generation of self employment through vocational training farmers and rural youth and updating extension functionaries with emerging technology in research on regular basis through training of extension functionaries.*

In light of the above mandate, the mandated activities of the KVKs are as follows:

- Conducting on-farm testing for identification of technologies in terms of location-specific sustainable land use systems.
- Organizing frontline demonstrations on various crops to generate production data and feedback information.
- Organizing short and long-term vocational training courses in agriculture and allied vocations for the farmers and rural youth for higher production of farm and generating self-employment.
- Organizing training to update the extension personnel with emerging advances in agricultural research on regular basis.

**Table No. 4.1: Work Implemented in Previous Year Training (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants									Grand Total
		Others			SC			ST			
		M	F	T	M	F	T	M	F	T	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Water management	2	35	-	35	9	-	9	3	-	3	47
Nursery management	3	82	-	82	-	-	-	-	-	-	82
Integrated Crop Management	11	217	-	217	28	-	28	39	-	39	284
Production of organic inputs	1	22	-	22	-	-	-	-	-	-	22
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Off-season vegetables	1	18	-	18	-	-	-	3	-	3	21
Nursery raising	1	26	-	26	-	-	-	-	-	-	26
<b>e) Tuber crops</b>											
Production and Management technology	3	37	3	40	15	1	16	17	-	17	73
<b>III Soil Health and Fertility Management</b>											
Soil fertility management	2	27	-	27	6	-	6	17	-	17	50
Soil and Water Conservation											
Integrated Nutrient Management	1	16	-	16	5	-	5	10	-	10	31
Production and use of organic inputs	2	72	-	72	-	-	-	-	-	-	72
Nutrient Use Efficiency	2	50	-	50	-	-	-	-	-	-	50
<b>V Home Science/Women empowerment</b>											
Household food security by kitchen gardening and nutrition gardening	1	-	-	-	-	17	17	-	3	3	20
Minimization of nutrient loss in processing	1	-	33	33	-	-	-	-	-	-	33
Storage loss minimization techniques	1	-	21	21	-	-	-	-	2	2	23
Value addition	2	-	18	18	-	12	12	-	21	21	51
<b>VI Agril. Engineering</b>											
Use of Plastics in farming practices	2	42	-	42	-	-	-	-	-	-	42
Production of small tools and implements											
Repair and maintenance of farm machinery and implements	3	43	-	43	12	-	12	13	-	13	68
<b>VII Plant Protection</b>											
Integrated Pest Management	3	53	-	53	-	-	-	17	-	17	70
<b>XII Others (Pl. Specify)</b>											
<b>TOTAL</b>	<b>42</b>	<b>740</b>	<b>75</b>	<b>815</b>	<b>75</b>	<b>30</b>	<b>105</b>	<b>119</b>	<b>26</b>	<b>145</b>	<b>1065</b>
<b>(B) RURAL YOUTH</b>											
Mushroom Production	5	36	45	81	-	9	9	-	13	13	103
Seed production	2	38	-	38	-	-	-	-	-	-	38
Production of organic inputs	1	15	-	15	-	-	-	-	-	-	15
Repair and maintenance of farm machinery and implements	2	24	-	24	11	-	11	17	-	17	52
Value addition	1	-	-	-	-	4	4	-	10	10	24
Post Harvest Technology	1	-	29	29	-	4	4	-	10	10	43
<b>TOTAL</b>	<b>12</b>	<b>113</b>	<b>84</b>	<b>197</b>	<b>11</b>	<b>17</b>	<b>28</b>	<b>17</b>	<b>33</b>	<b>50</b>	<b>275</b>
<b>(C) Extension Personnel</b>											
Any other (Hi- tech horticulture)	1	24	-	24	-	-	-	-	-	-	24
<b>TOTAL</b>	<b>1</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24</b>

## ii. Unemployment Boys/Girls

<b>(B) RURAL YOUTH</b>											
Mushroom Production	5	36	45	81	-	9	9	-	13	13	103
Seed production	2	38	-	38	-	-	-	-	-	-	38
Production of organic inputs	1	15	-	15	-	-	-	-	-	-	15
Repair and maintenance of farm machinery and implements	2	24	-	24	11	-	11	17	-	17	52
Value addition	1	-	-	-	-	4	4	-	10	10	24
Post Harvest Technology	1	-	29	29	-	4	4	-	10	10	43
<b>TOTAL</b>	<b>12</b>	<b>113</b>	<b>84</b>	<b>197</b>	<b>11</b>	<b>17</b>	<b>28</b>	<b>17</b>	<b>33</b>	<b>50</b>	<b>275</b>
<b>(C) Extension Personnel</b>											
Any other (Hi- tech horticulture)	1	24	-	24	-	-	-	-	-	-	24
<b>TOTAL</b>	<b>1</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24</b>

## iii. Extension Activities

Nature of Extension Activity	No. of activities	Total
Kisan Mela	2	1225
Kisan Ghosthi	3	77
TV talks	6	06
Extension Literature	8	2500
Scientific visit to farmers field		273
Farmers visit to KVK		377
Diagnostic visits		231
<b>Total</b>	<b>19</b>	<b>4683</b>

## 4.2 Achievements of Frontline Demonstrations

- b. Details of FLDs implemented during 2008-09 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

### Oilseed

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration				Reasons for shortfall in achievement
					Proposed	Actual	SC	ST	Others	Total	
1.	Groundnut	Crop production and Integrated nutrient management	Variety GG-22	Kharif 08	3.0	2.0	-	-	18	18	
2.	Niger	Crop production and Integrated nutrient management	Variety- BN- 1	Kharif 08	8.0	8.0	1	4	15	20	
3.	Sesame	Crop production and Integrated nutrient management	Variety- TC-25	Kharif 08	2.0	2.0	-	2	4	6	

### Pulses

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration				Reasons for shortfall in achievement
					Proposed	Actual	SC	ST	Others	Total	
1.	Pegionpea	Crop production and Integrated nutrient management	Variety-ICPL- 87119	Kharif 08	8.0	6.0	-	4	36	40	
2.	Black gram	Crop production and Integrated nutrient management	Variety- PU- 35	Kharif 08	2.0	2.0	-	2	10	12	
3.	Horse gram	Crop production and Integrated nutrient management	Variety- Madhu	Kharif 08	2.0	2.0	-	2	8	10	

### Cereals

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration				Reasons for shortfall in achievement
					Proposed	Actual	SC	ST	Others	Total	
1.	Wheat	Crop production and Integrated nutrient management	K- 9107	Rabi- 2008	5.0	4.0	-	1	16	17	
2.	Mustard	Crop production and Integrated nutrient management	Shivani	Rabi- 2008	5.0	3.0	-	2	8	10	

*Table No. 4.3: Staff position in KVK Bokaro.*

<b>Sl No.</b>	<b>Name of Post</b>	<b>Sanctioned</b>	<b>present</b>
<b>1</b>	Programme Coordinator	<b>01</b>	-
<b>2</b>	Subject Matter Specialist	<b>06</b>	<b>05</b>
<b>3</b>	Programme Assistant	<b>01</b>	<b>01</b>
<b>4</b>	Farm Manager	<b>01</b>	<b>01</b>
<b>5</b>	Computer Programmer	<b>01</b>	<i>Contractual</i>
<b>6</b>	Accountant / Superintendent	<b>01</b>	<i>Contractual</i>
<b>7</b>	Stenographer	<b>01</b>	<b>01</b>
<b>8</b>	Driver	<b>02</b>	<b>01</b>
<b>9</b>	Peon	<b>02</b>	Contractual

Table No. 4.4: DEPARTMENT OF AGRICULTURE, BOKARO. YEAR :- 2008-09

(Amount in lacks)

Dept	Name of the Schemes	Activities Under the scheme	Physical Status(qt)		Financial Status	
			Target	Achieve.	Target	Achieve.
A G R I C U L T U R E	State plan certified paddy seed exchange and distribution of different crop seed on 90% subsidy	Exchange of certified paddy seed	430	430	6.88	6.88
		Exchange of Hybrid paddy seed	18	18	1.89	1.89
		Distribution of certified paddy seed on 90% subsidy	1929	1887	30.864	30.19
		Distribution of hybrid paddy seed on 90% subsidy	91	91	9.55	9.55
		Seed transportation	2468	2426	2.25	2.25
	State plan Under Alternative crop's seeds & other inputs on subsidy	Distribution of Wheat seed on 90% subsidy	780	779.2	14.82	14.8048
		Distribution of hybrid Maize seed on 90% subsidy	29	29	1.711	1.711
		Distribution of Vermi compost on 90% subsidy	275	275	1.782	1.782
		Distribution of Organic Manour on 90% subsidy	556	556	4.9484	4.9484
		Distribution of Neem Pesticide on 90% subsidy	275 (L)	275 (L)	0.715	0.715
	Distribution of Micro nutrient on 90% subsidy	774 (L)	774 (L)	1.4706	1.4706	
	State plan Schemes for transfer of technology	Demonstration, training to farmers & others expenditure	600 (F)	600 (F)	1.50	1.50

L- Litter, F- Farmer

**Table No. 4.5: DEPARTMENT OF AGRICULTURE, BOKARO. YEAR :- 2008-09**

<b>Sl No.</b>	<b>Name of Post (Agriculture)</b>	<b>Sanctioned</b>	<b>present</b>
1	<i>Sub-divisional Agriculture officer</i>	02	02
2	<i>Block Agriculture Officer</i>	10	04
3	<i>Agriculture Inspector</i>	02	01
4	<i>Junior Statistical supervisor</i>	01	-
5	<i>Clerk</i>	07	06
6	<i>Field Asst.</i>	02	02
7	<i>Farm Asst.</i>	03	-
8	<i>VLW</i>	78	19
9	<i>Driver</i>	02	-
10	<i>Peon</i>	02	02
11	<i>Night gourd</i>	02	02
12	<i>Tractor Driver</i>	01	-
13	<i>Plow man</i>	06	-

**Table No. 4.6: DEPARTMENT OF AGRICULTURE, BOKARO. YEAR :- 2008-09**

<b>Sl No.</b>	<b>Name of Post (Horticulture)</b>	<b>Sanctioned</b>	<b>present</b>
1	<i>Sub-divisional Horticulture officer</i>	02	02
2	<i>Horticulture Inspector</i>	04	-
3	<i>Udyan Sewak</i>	16	01

	<b>Name of Post (Plant protection)</b>		
1	<i>Plant protection Inspector</i>	02	-
2	<i>Plant protection Supervisor</i>	02	01
3	<i>Kamdar</i>	08	03

	<b>Name of Post (Soil conservation)</b>		
1	<i>Soil conservation officer Survey</i>	01	01
2	<i>Asst. Soil Conservation officer</i>	02	02



**Table No. 4.7: Department of Animal Husbandry & Fisheries  
(Dairy Development)  
District Dairy Development office, Bokaro.**

Sl No.	Name of the Post.	No of Post sanctioned	Presently working	Vacant Post
1	Disst. Dairy Dev. Officer	1	1	-
2	Asst. Dairy Extension officer	1	-	1
3	Input supervisor	4	1	3
4	Head Clerk Cum Accountant	1	1	-
5	Typist clerk	1	-	1
6	Driver	1	-	1
7	Peon	1	1	-
8	Chowkidar	1	1	-
	<b>Total :-</b>	11	05	06

**Table No. 4.8: Department of Animal Husbandry & Fisheries  
(Dairy Development) Year :- 2008-09**

Sl No.	Name of the scheme	Physical Status		Financial Status (Subsidy)	
		Target	Achievement	Target	Achievement
1	Milch cattle distribution under RKVY				
A	Two Cows unit	75	-	1706250	1706250
B	Mini Dairy unit	03	-	186000	186000
C	Commercial Dairy unit	02	-	222500	222500
2	Dairy Cattle Dev. Center (A.I.center)	05	05		
3	Dairy Management Training	90	83		
4	Exposure visit within state	25	25		
5	Exposure visit outside state	11	11		
6	Fodder seed distribution	925 kg	925 kg		
7	Productivity comp (animal husbandry camp)	06	06		

Table No. 4.9: **DEPARTMENT OF ANIMAL HUSBANDRY, BOKARO 2008-09**

<b>Sl No.</b>	<b>Name of Post</b>	<b>Sanctioned</b>	<b>present</b>
1	District Animal husbandry officer	01	01
2	Sub-divisional husbandry officer	02	02
3	Touring Veterinary officer	18	17
4	Block Animal husbandry assistant	08	08
5	Live stock assistant	17	04
6	Peon	20	18
7	Night guard	21	20
8	Jeep Chalak	01	-

Table No. 4.10: **DEPARTMENT OF ANIMAL HUSBANDRY, BOKARO 2008-09**

Sl No	Name of working unit	Activities under the scheme	Physical status		Financial status	
			Target	Achievement	Target	Achievement
1	Class-I Vet. Dispensary No.18	Treatment of diseased Animal	35000	46337	-	-
2	Block animal husbandry officer No. 08	Castration of male animal	1800	1895	-	-
		Vaccination	45000	49106	-	-
		Camp dispensary in rural areas	160	165	-	-
		Artificial insemination in L/S animal	4320	3440	-	-
		Distribution of green fodder seed	5.5 quintals	5.5 quintals	-	-
		Green fodder development for grazing pasture	7000 hact.	2 hact.	-	-
		Training for farmers	127	127	-	-
		Special training programme for doctors	06	06	-	-
		Bird flue control unit (RRTS)	06	06	-	-

Table No. 4.11: **DEPARTMENT OF FISHERIES, BOKARO 2008-09**

DPT	Name of the Scheme	Activities under the scheme (unit)	Physical status		Financial status	
			Target	Achievement	Target	Achievement
<b>F I S H E R I E S</b>	Programme for Distribution of Fish fry	Fish Fry Distribution	450000	434800	270000.00	266000.00
	Construction Plan	Programme for Construction of Fisherman House	50	50	2000000.00	2000000.00
		Fishery farm Development	1	1	150000.00	150000.00
	Pond Construction (RKVY)	Construction of 30 D pond	8	8	400000.00	400000.00
	Insurance	Insurance of Fisherman	2450	2450	17150.00	17150.00

Table No. 4.12: **DEPARTMENT OF FISHERIES, BOKARO 2008-09**

Sl No.	Name of Post	Sanctioned	present
1	District Fisheries Officer	01	01
2	Fisheries Supervisor	04	01
3	Fisherman	04	02
4	Fisheries Extension Officer	02	-
5	Fisheries Inspector	01	-
6	Fisheries Guard	01	-

Table No. 4.13: **DEPARTMENT OF CO-OPERATIVE, BOKARO**

<b>Sl No.</b>	<b>Name of Post</b>	<b>Sanctioned</b>	<b>present</b>	<b>Vacant</b>
1	District Co-operative Officer	01	01	-
2	District Audit Officer	01	01	-
3	ARCS	02	01	01
4	BCEO	08	02	06
5	CEO	28	12	16
6	Head Assistant	04	04	-
7	Assistant	06	04	02
8	Peon	04	04	-