

ANNUAL REPORT

- 1. Name and address of the KVK (with pin code) :** Krishi Vigyan Kendra, Dhanbad
Name of the host institution : Baliapur farm, Dhanbad-828201.
Telegraphic Address : _____
Email Address : kvkdhanbad@rediffmail.com

Telephone with STD Code :

	STD code	Phone No.
Mobile		09431311955
residence		

2. Staff Position

Sl No	Name with Designation including Disciplines	Pay Scale with present basic pay*
1	Dr. A. Mishra (P.C.) (Ag. Ext.)	12000 – 18300
2	Smt. Anjali Mishra S.M.S (Home Sc.)	8000- 13500
3	Dr. Sudhir Kr. Jha S.M.S (S. Sc.)	8000 – 13500
4	Dr. A. K. Srivastava S.M.S. (Ag. Ext.)	8000 – 13500
5	Sri Devkant Prasad S.M.S (Agronomy)	8000 – 13500
6	Sri Rakesh Ranjan S.M.S. (Horticulture)	8000 – 13500
7	Dr. Himanshu Singh S.M.S (Ag. Eng.)	8000 – 13500
8	Sri Mukesh Kumar (Prog. Asstt.)	5500 - 9000
9	Sri Sanjay Kumar (Farm Manager.)	5500 – 9000
10	Sri Sunil Kr. Pandey (Tech. Asstt.) Audio Visual Aid	5500 – 9000
11	Sri Mithilesh Kumar (Comp. Asstt.)	5000 – 8000

* For those staff who are in permanent position

3. Total land with KVK (ha): 10

a. Under Building	2 ha
b. Under Demonstration Units	-
c. Under Crops	1.4 ha
d. Orchard/Agro-forestry	1 ha
e. Others	5.6 ha

4. Infrastructural Development:

- (a) Source of Fund
- (b) Complete area in Sq. m.
- (c) Incomplete area in Sq.m.

S. No.	Name of Building	Stage		Cost
		Complete	Incomplete	Estimate (for New Building)
1.	Administrative Building		√	
2.	Farmers Hostel		√	
3.	Staff Quarter (6)	√		
4.	Demonstration Units		√	

- Give details with Plinth area.

5. Description of Agro-Climatic zones and farming situations of the district.

Dhanbad district comes under Agro-Climatic Zones no. IV having total area geographical area 204162ha. About 24.1% of total area of the district is under non-agricultural use while 18.5% is under plough. The district has at present 18928 ha of forest area. Annual rainfall varies from 1200 mm to 1400 mm but distribution is highly erratic and 90% of it is mainly received during June to September. Even within this period, drought spells of 4 to 6 weeks duration are not uncommon causing water stress. The maximum temperature goes up to 47° C in summer and falls to as low as 8°C in winter. Soils are undulating having poor in fertility status, low in water holding capacity and organic carbon content and acidic in reaction. Besides this, soil erosion is a menace and every year fairly substantial area of land is converted into gullies due to faulty method of cultivation. The use of quality seeds, plant protection measures and improved agricultural implements is almost negligible. The cattle are short in stature having low milk yielding capacity and low draft power. The crop residues are the main source of animal feed. Excessive dependence on the rice in all farming situation makes agricultural production highly vulnerable to vagaries of water. Lack of risk taking capacity of the farmers due to poverty and on farm resource availability leads to the exclusion of the needed agricultural inputs in desired quantity.

6. Thrust areas identified through PRA, Survey or any other method

- i) Improvement of soil and water conservation practices and management of problematic soil for higher agricultural production.
- ii) Popularization of integrated nutrient management practices.
- iii) Diversification of traditional rice-based cropping system with appropriate commercialization.
- iv) Breed Improvement of cattle, pig and goat.
- v) Popularization of IPM measures for field and Horticultural crops.
- vi) Introduction of rain water harvesting techniques
- vii) Introduction of post harvest & value addition technology
- viii) Entrepreneurship development of SHG groups.

7. Training Achievement

A. Abstract of Training Programme (On-Campus, Off-Campus, sponsored training and FLD training.)

Discipline	No. of Training Courses	No. of participants											
		Others			SC			ST			Grand Total		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Practicing Farmers													
1. Crop Production	13	175	17	192	29	-	29	76	13	89	280	30	310
2. Horticulture	13	144	60	204	34	16	50	62	49	111	240	125	365
3. Agril. Engg.	12	180	37	217	63	10	73	112	18	130	345	65	410
4. Plant Protection	13	129	21	150	40	3	43	53	23	66	222	46	268
5. Ag. Extn.	10	56	8	64	32	7	39	71	11	82	164	26	190
6. Soil Fertility Management & Agro forestry	13	147	11	158	36	-	36	58	13	71	241	24	265
TOTAL	74	831	154	985	234	36	270	432	127	549	1492	316	1808
Rural Youth													
1. Crop production	5	52	14	66	20	4	24	24	2	26	96	20	116
2. Horticulture	8	102	54	156	25	-	25	37	30	67	164	84	248
3. Soil Fertility & Management	6	94	6	100	20	5	25	23	-	23	137	11	148
4. Plant Protection	5	64	9	73	15	2	17	18	-	18	97	11	108
5. Agril. Exten.	3	39	10	49	9	5	14	12	-	12	60	15	75
6. Ag. Engg.	4	59	4	63	15	-	15	10	-	10	84	4	88
TOTAL	31	410	97	507	104	16	120	124	32	156	638	145	783

Extension Functionaries-													
1. Agril Engg.	1	20	-	20	2	-	2	3	-	3	25	-	25
2. Soil Fertility management	1	20	-	20	1	-	1	2	-	2	23	-	23
3. Agril. Extn.	1	20	-	20	2	-	2	2	-	2	24		24
4. Crop Production	1	22	-	2	2	-	2	2	-	2	26	-	26
5. Horticulture	1	15	10	25	5	-	5	3	-	3	23	10	33
6. Plant Protection	1	21	-	21	2	-	2	2	-	2	25	-	25
TOTAL	6	118	10	108	14	-	14	14	-	14	146	10	156

B. On-Campus Training

Discipline	Title of the Training	ST			SC			Others			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Practicing Farmers													
Crop Production in field crop	Production technology of wheat.	2	-	2	4	-	4	10	-	10	16	-	16
Crop Production in horticultural crops	Cultivation of high yielding & improved vegetables	2	-	2	4	3	7	21	-	21	27	3	30
Plant Protection	Integrated paste management.	4	2	6	3	2	5	10	6	16	17	10	27
Rural Youth													
Natural Resources Management	Preparation of vermin compost.	7	-	7	8	-	8	15	-	15	30	-	30
Plant protection	Oyster mushroom cultivation technique.	5	-	5	6	-	6	14	5	19	25	5	30

C. Off-Campus Training

Discipline	Duration (days)	ST			SC			Others			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Practicing Farmers													
Crop Production in field crop	8	63	3	66	15	-	15	111	17	128	189	20	209
Natural Resources Management	9	28	2	30	16	-	16	107	11	118	151	13	164
Plant Protection	8	19	11	36	17	1	18	89	5	94	125	17	142
Agril. Engg.	7	82	13	95	43	10	53	140	32	172	265	55	320
Agril. Ext.	5	41	6	47	12	7	19	26	3	29	79	16	95
Crop Production in horticultural crops	7	25	42	67	10	13	23	83	55	138	118	110	228
Total	44	258	77	341	113	31	144	556	123	679	927	231	1158

Rural Youth													
Crop Production in field crop	4	15	2	17	16	4	20	45	9	54	76	15	91
Ag. Engg.	4	10	-	10	15	-	15	59	4	63	84	4	88
Natural Resources Management	4	9	-	9	12	5	17	55	6	61	76	11	87
Crop Production in horticultural crops	7	29	24	53	25	-	25	92	50	142	146	74	220
Plant Protection	5	13	-	13	9	2	11	50	4	54	97	11	108
Agril. Extn.	3	12	-	12	9	5	14	39	10	49	60	15	75
Total	27	88	26	114	86	16	102	340	83	423	539	130	669

Extension Functionaries													
Discipline	Duration (days)	ST			SC			OTH			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Natural resources management	1	3	-	3	1	-	1	20	-	20	23	-	23
Agril. Engg.	1	3	-	3	2	-	2	20	-	20	25	-	25
Agril. Extn.	1	2	-	2	2	-	2	20	-	20	24	-	24
Crop Production in field crop	1	2	-	2	2	-	2	22	-	22	26	-	26
Crop Production in horticultural crops	1	3	-	3	2	-	2	22	-	22	26	-	26
Plant Protection	1	2	-	2	2	-	2	21	-	21	25	-	25
Total	6	14	-	14	14	-	14	118	10	128	146	10	156

D. Sponsored Training Programme:

Title of Training	Month	Duration (Days)	No. of Participants			Type of Participants	Sponsoring Agency
			Male	Female	Total		
Jetropha Production & Marketing	Sep-06	2	49	2	51	Pract. Farmers	NABARD
-do-	Sep-06	2	33	-	33	Ext ⁿ . Functionaries	NABARD
Entrepreneurship development for SHG	Dec-06	1	-	35	35	SHG group	CDPO, Baliapur
Fisheries for SHG farmers	Dec-06	1	36	-	36	SHG group	Dist. Fisheries, Dhanbad
Production techniques of Vermi compost& its benefits	Jan-07	2	60	-	60	Pract. Farmers	D.F.O. Dhanbad

8. Result of Front line Demonstration

(A) Oilseeds:

Season: Kharif & Rabi

Year: 2006-07

Crop/Variety	Area (ha)		No. of farmers/demo.	Remarks
	Proposed	Actual		
Sesamum (Kanke Safed)	2	2	5	Satisfactory
Niger (Birsa N-1)	3	3	9	Satisfactory
Mustard (Shivani)	5	5	10	Satisfactory
Linseed (Shubhra)	2	2	10	Satisfactory
Total	12	12	34	

(B) Pulses

Season: Kharif & Rabi

Years: 2006-07

Crop/Variety	Area (ha)		No. of farmers/demo.	Remarks
	Proposed	Actual		
Red Gram (Bahar)	2	2	5	Satisfactory
Gram (Vijay)	3	3	6	Satisfactory
Lentil (L4076)	2	2	6	Satisfactory
Total	7	7	17	

(C) (1). Performance of FLD demonstration for Oilseed in the district:

- Crop : Niger
- Season : Kharif 2006
- Farming Situation : Rainfed
- District : Dhanbad
- land type : Upland
- PH of the soil : 5.7 to 6.0 (Acidic)
- Soil Type : Sandy Loam
- Micro farming Situation : Rainfed

Sl. No.	Village	Variety	Area (ha)	Yield (Q/ha)			Local check (Q/ha)	Increased in yield (%)
				Max.	Min.	Avg.		
1.	Sindurpur	Birsa Niger-1	3	5.50	3.60	4.00	2.00	100

Gross income (Rs./ha)		Net income (Rs./ha)		C.B. Ratio /ha	
Improved Practice	Farmers Practice	Improved Practice	Farmers Practice	Improved Practice	Farmers Practice
9850/-	4475/-	5000/-	1500/-	1:2.2	1:1.5

Farmer Reaction:

Improved variety Birsa Niger-1 was attractive for farmers due to bold seed size in compare to local Niger varieties and better yield.

(C) (2).Performance of FLD demonstration for Oilseed in the district:

- Crop : **Sesamum**
- Season : Kharif 2006
- Farming Situation : Rainfed
- District : Dhanbad
- land type : Medium land
- PH of the soil : 5.5 to 5.8 (Acidic)
- Soil Type : Sandy Loam
- Micro farming Situation : Rainfed

Sl. No.	Village	Variety	Area (ha)	Yield (Q/ha)			Local check (Q/ha)	Increased in yield (%)
				Max.	Min.	Avg.		
1.	Pandeydih / Palani	Kanke White	2	3.4	2.6	3.0	1.3	130

Gross income (Rs./ha)		Net income (Rs./ha)		C.B. Ratio /ha	
Improved Practice	Farmers Practice	Improved Practice	Farmers Practice	Improved Practice	Farmers Practice
9000/-	3900/-	5200/-	2600/-	1:2.3	1:1.8

Farmer Reaction:

Farmers appreciated this variety due to good germination, bold seed and good yield.

(D). Farming situation and results and demonstration on Oilseeds.:

Sl. no	Agroclimatic Zone	Distt.	Soil Type	Variety	Date of sowing	Date of harvesting	No. of demo	Area (ha)	Highest yield q/ha	Avg. yield q/ha	Cast input (Rs.)	Gross return (Rs.)	Net return
1.	IV	Dhanbad	Red	Niger (Birsan-2)	20-08-06	24-11-06	9	3	5.5	4	1700	9850	8150
2.	IV	Dhanbad	Red	Sesamum (Kanke White)	10-07-06	20-10-06	5	2	3.4	3	2300	9000	6700

(E). Analytical Review of component demonstration Not conducted

Name of Centre	Component	Farming situation	Average yield	Local check yield	Percentage increase in productivity over local yield
	1. Seed A) Variety 2. Bio-fertilizer PBB + Culture 3. Fertilizer management 4. Plant Protection 5. Combination of component A) NPK + Gypsum B) Improved seed + Gypsum				

(F) Technical Feed back:

1. Birsamati rice is susceptible to loss smut.
2. Wilt resistance Arhar variety is being required.

(G) Farmer's reaction:

1. Birsamati scented rice is accepted in terms of quality but it milling is problem locally.
2. Line sowing / transplanting of various crop is influenced the farmers.
3. Farmers interested in horticulture crop after getting training.

(H) Results of F.L.Ds Other than Oilseed and Pulse Crops

Season: Kharif & Rabi

Years: 2006-2007

Crop/Variety	Area (ha)		No. of farmers/demo.	Remarks
	Proposed	Actual		
Rice (Birsamati)	5	5	15	Good crop harvested
Rice (Hybrid)	23	23	107	Good crop harvested
Total	28	28	122	

9 (a). No. of On-Farm-trials.

Crops	Varietal/ Feed Evaluation	Nutrient/ Feed Management	Cropping System	Zero Tillage	Weed managemen t	Insect/ Disease Manage ment	Total
Cereals (Rice)	-	1	1	-	-	-	2
Oilseeds	-	-	-	-	-	-	-
Pulses	--	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-
Vegetables, Fruits & Flowers	-	1	-	-	-	-	1
Animal Science	-	-	-	-	-	-	-
Total	-	2	1	-	-	-	3

(1). RESULTS OF ON FARM TRIAL

TITLE: **INCREASING YIELD THROUGH ADOPTING OF SEASONAL VARIETY OF TOMATO DURING RAINY SEASON.**

Problem Identified: Low yield of Tomato in rainy season.

Location: Dhokhra

Hypothesis: Selecting proper package and mechanization to improve yield.

Design: RBD

Technology Gap: lack of knowledge use of old local variety lack of proper package of practices.

Plot Size: 20m x 15m = 300 sq. m.

Treatment detail:

- T₁- farmer's practices. Planting in field (bed) then earthing after 1 month.
- T₂- Arka Abha + Farmers practices.
- T₃- Arka Abha + RD (recommended dose) + MR (Mechanized Ridge)
- T₄- Arkha Abha + RD.

Result:

Sl.	Treatment	Mean yield (Q/ha)	Increased in yield	
1.	T ₁	48.34	-	-
2.	T ₂	97.25	48.91	101.17
3.	T ₃	142.63	94.29	195.05
4.	T ₄	103.41	55.07	113.92

CV = 12.83%

CD = 8.46

Results: Highest yield was observed in treatment T₃ which is highly significant in yield compare to control and also significant yield were found in T₄ & T₃ respectively as compare to check.

Hence 195.05% increase in yield as compare to check.

(2). RESULTS OF ON FARM TRIAL

TITLE: EFFECT OF NPK AND BIOFERTILIZER ON THE YIELD OF PADDY.

Problem Identified: Low yield of paddy.

Objective: To increase in yield.

Hypothesis: Use of high yielding varieties with balance use of fertilizer along with Biofertilizer to reduce the cost of fertilizer.

Treatment: 4

Replication: 10

Design: RBD

Plot Size: 20m x 15m = 300 sq. m.

Treatment details:

- T1- farmers practices. (Local Variety + FYM)
- T2- Recommended dose of fertilizer
- T3- Farmers Practices + Biofertilizer
- T4- Recommended dose of fertilizer + Biofertilizer.

Result:

Sl.	Treatment	Mean yield (Q/ha)	Increased in yield	
1.	T ₁	12.30	-	-
2.	T ₂	32.05	19.75	160.56
3.	T ₃	25.37	13.00	105.69
4.	T ₄	36.25	23.95	194.71

CV = 16.57%

CD = 8.29

Result : Highest yield was obtained in the treatment T₄ which yield is significantly high as compare to the other treatment. Due to addition of Biofertilizer 105.69% increase in yield as compare to farmer practices.

(3). RESULTS OF ON FARM TRIAL

TITLE: WILT MANAGEMENT IN BRINJAL.

Objective: To increase the production and productivity of Brinjal.

Problem Identified: Incidence of the wilt in Brinjal.

Hypothesis: To increase the production & productivity by reducing the incidence of wilt in brinjal through wilt resistant variety and also their management, also reduce the cost of cultivation and enhance the quality of fruits.

Treatment: 4.

Replication: 10

Design: RBD

Plot Size: 20m x 15m = 300 sq. m.

Treatment details:

- T1- Local variety
- T2- Local Variety + seed treatment (chemical + biological)
- T3- Swarnmani
- T4- Swarnmani + seed treatment (chemical + biological)

Result:

Sl.	Treatment	Mean yield (Q/ha)	Increased in yield	
1.	T ₁	88.34	-	-
2.	T ₂	153.55	65.21	73.81
3.	T ₃	207.38	119.04	134.75
4.	T ₄	250.40	172.06	194.77

CV = 13.65%

CD = 8.33

Result : Highest yield was observed in the treatment T₄ which is highly significant in yield compare to the control and also significant yield were found in T₃ and T₂ respectively as compare to the check.

Hence 194.77% increase in yield as compare to the check.

(b) On-station trials. Nil

Crops	Varietal/ Feed Evaluation	Nutrient/ Feed Management	Cropping System	Zero Tillage	Weed managemen t	Insect/ Disease Manage ment	Total
Cereals							
Oilseeds							
Pulses							
Commercial crops							
Vegetables, Fruits & Flowers							
Animal Science							
Total							

10. (a) Literature Developed/Published (with full title, author and reference):

Research Papers	3.
1.	
Technical Reports	4.
1.	
Technical Bulletins	7.
1.	
Popular Articles	2
1.	
Extension Literature	2.
1.	

(b) News letter published Nil

Sl. No.	Name of the News Letter	Publication Monthly /half yearly	Circulation				
			Panchayat	Farmers	NGO	SHG	Govt. Deptt.

11. Success Story/Case Study

Mantosh Mahato

Success Story

Mr. Mantosh Mahato S/o Sri Gangadhar Mahato is just 31 years old. Young farmer from village Dhokra of Block- Baliapur, District- Dhanbad Jharkhand. He has only 10+2. Schooling and engaged himself in farming with his father occupation i.e. farming. He gets married at the age of 20 years and now he has one son and two daughters. He has started assisting his father in farm operation in early age. He has eighteen acre of land beside to lack of latest knowledge and the traditional practices adopted at his farm, he was not getting good return. He got a chance for training on vermi compost organized by S.R.I. Ranchi; Dr. Bhim Rao Ambedkar Trust Bhokra Dhanbad nominated his name. He has undergone one week training on vermi compost in the year 2003 but remain he didn't start vermi composting. He has approached the KVK Dhanbad for their guidance and supervision. On the guidelines of Scientist of KVK Dhanbad, he started vermi-compost preparation in middle of 2005.

Initially he has started the vermi-compost preparation with 500 verm with small shed of 10x20 sq/ft. the shed was prepared with local available bamboo and polythene and small amount of farm yard manure

Mr. Mahato laid the demonstration in large scale with initial success and supervision and all type of technical guidance from KVK, now he has 100 x 60 size of shed and have more than 5,00,000 verm. He has also using chemical like Azotoplus and Phosphofix for vermi compost preparation.

Mr. Mahato producing about 4 quintal vermi compost and selling the vermi compost @3 Rs. 3.5/Kg. The cost of the production per Kg is Rs 1.5. he has given employment to 3 casual labour.

Mr. Mahato earning Rs. 3000 to 4000 per month as net income. He has facing marketing problem and KVK is searching new market for his future expansion.

12. Constraints:

- Administrative: Lack of fulltime 3rd & 4th grade staff.
- Financial: Unavailability of funds in mean time.
- Technical: Unavailability of irrigation channels & audio visual aids.

13. Functional Linkage with different Organizations:

Name of Organization	Nature of Linkage
1. DRDA, Dhanbad	Dev. & Sponsored training programme.
2. NABARD	Formation of SHG in joint venture.
3. Department of Agriculture.	Participation as guest lecture in training, workshop, SAC.
4. Department of Horticulture	-Do-
5. Department of Animal Husbandry	-Do-
6. Department of Forestry	-Do-
7. Fisheries	-Do-
8. Lead Bank (Bank of India)	-Do-
9. CMRI	Infrastructural facility for SAC Meeting.
10. T.S.R.D.S. Jamadova, Dhanbad	Exposure visit of training
11. District Programme Officer	Sponsored training

14. Performance of Demonstration Units (Other than Crops):

	Demonstration Units	Year of Establishment	Area (ha)	Variety	Total Production (q)	
					Cost of inputs	Gross Income
1.	Progeny Orchard	2006	1	MANGO- Langra, Maldha, Dasher, Amrapali, Mallika, ANOLA- N-6, N-10 <i>Krishna, kanchan, Chakiya</i> GUAVA- L-49, Allahabad Safeda, Lalit, Arkamridula, Prantprabhat BEL- CHIS 1,2,NB 5, Panturvarshi, Pantshivani, BER- Gola LEMON- Pantlemon , Klemon		
2.	Medicinal Plants	2006	0.1	26 Species		

15. Performance of Instructional Farm , including seed production:

S.No .	Name of Crop	Area Covered (ha)	Variety	Date of Sowing	Date of harvesting	Cost of Inputs (Rs.)	Total Production (q)	Gross Income	Remarks
1.	Wheat	0.2	K-9107	26 /12/06	Standing Crop		-	-	Average condition
2.	Tomato	0.2	Swarn lalima	10/11/06	Standing Crop				-do-
3.	Brinjal	0.2	Swarn mani	10/11/06	-do-				-do-
4.	French bean	0.2		10/11/06	-do-				-do-
5.	Bitter guard	0.2		10/11/06	-do-				-do-

16. Utilization of Hostel Facilities: Not applicable

Accommodation available (No. of beds)

Months	No. of Trainees stayed	Trainee days(days stayed)	Reason for short fall (if any)
April May June July August Sep Oct Nov Dec Jan Feb March			

17. Indicate any innovative technology or any innovative methodology of Transfer of Technology developed during the year. Nil

- 1.
- 2.
- 3.

18. Indicate any Indigenous technology practiced by the farmers in the KVK operational area, which can be considered for technology development (in detail with suitable photographs): Nil

19. Indicate the specific training need tools /methodology followed for:

- Identification of courses for farmers/farm women
 - Rural Youth
 - In-service personnel
- PRA, Agro-ecosystem analysis, individual contacts.**

20. Any other special programme undertaken by the KVK which have been financed by State Govt./Other Agencies.

(A). Indicate the seed/seeding produced and sold to the farmers.

(a) For all Crops

S.No.	Crop	Variety	Quantity(in quintals) /area (ha)	Sponsoring agency
1.	Paddy	Hybrid PHB-71	20	State Govt of Jharkhand
2.	Paddy	-do-	3	D.R , B.A.U

(b) For all Crops Nil

S.No.	Crop	Variety	Number of Seeding(in'000)	Quantity sold(q)

(c) Village Seed production: Nil

S.No.	Crop	Variety	Quantity(in quintals)	Quantity sold(q)

21. Scientific Advisory Meeting(s) (SAC):

S No.	<i>Salient Recommendations</i>	Action taken	Remarks
1.	Action plan should be prepared by involving farmers and training should be need based, 'specific problem' oriented and as per agro ecological situation (Action: S.M.S).	In Process	SAC held on 8 th Aug 2005
2.	Before giving demonstration of any variety, it must be tested on KVK farm; not too much old variety should be demonstrated. (Action: S.M.S). In charge (FLD).	-do-	
3.	OFT based on identified problems should be constantly supervised by KVK Scientists and feed back information must be analyzed and proper recommendation should be given to farmers. Action: (S.M.S).	-do-	
4.	Farmer's technology and innovations should be seriously viewed and not to be changed completely, rather minor changes as per situation should be recommended. Action :(S.M.S).	-do-	
5.	A few projects for farmers should be formulated by consulting NABARD and lead bank by forming self help groups (Action: P.C.).	-do-	
6.	Linkage with line departments should be functional (in demonstration, training, input level etc). (Action: P.C.).	-do-	
7.	For evaluation of any demonstration or OFT, economics of cultivation must be calculated, yield alone can't be a criteria of recommendation of a technology. (Action: S.M.S)	-do-	
8.	For identifying training needs or problems, agro eco analysis of village by using PRA technique must be done and specific intervention should be made. (Action: S.M.S)	-do-	

22. Impact of Training Programme:

Name of Specific Technology/Skill transferred	No. of Trainee	% of Adoption	Change in Income (Rs.)	
			Before Training (Rs./Unit)	After Training (Rs./Unit)
Off season vegetable cultivation	30	65	9000 /Acre	14000 /Acre
Nursery Raising	35	55	35000/Acre	45000/Acre

22. (a). Field Activities

- i. Number of village adopted: 8
- ii. Number of Farm families selected: 400
- iii. Number of Survey/PRA conducted: 8

23. Other Extension Activities

Activities	Date	No. of beneficiaries (Farmers/Rural Youth)			No. of Extension Functionaries		
		Male	Female	Total	Male	Female	Total
Field days							
1. five	02.02.2006	65	11	76	-	-	-
2.	08.02.2006	73	09	82			
3.	14.02.2006	51	13	64			
4.	24.02.2006	43	9	52	-	-	-
5.	08.03.2006	55	8	63			
Kisan Mela							
1.	11.02.2006	812	220	1032	26	4	30
2.							
-							
Film Shows							
1.							
2.	23.03.2006	31	5	36			
3.	06.07.2006	26	9	35			
Radio Talk (Give Topic)	14.08.2006	43	7	50			
1.-							
TV Show (Give Topic)							
1.							
News paper coverage (Give Topic)	12.09.2006						
1.Jetropha cultivation	13.09.2006						
2. do	14.09.2006						
3. do	15.09.2006				-	-	-
4. do					-	-	-
-							
Any Other							
1. Diagnostic service		478	53	521			
2. Krishi Gosthi		315	44	359			

24. Detail of KVK Bank Accounts

	Name of the Bank	Location	ACCT. NO.
a. With the Host Institute	United Bank of India	Kanke	
b. With the KVK	State Bank of India	Dhanbad	01100029118(main) 01100029117(revolving)

25. Utilization of KVK Funds during the year 2006-2007(Rs. In Lakhs):

Item	Sanctioned	Released	Expenditure
Pay & allowances	23.00	20.00	20
Recurring Contingencies	02.50	2.50	2
Non-Recurring Contingencies			
Total	25.50	22.50	22

26. Utilization of Funds under FLDs on Oilseeds/Pulses 2006-07 (Rs. In Lakhs):

Item	Sanctioned by ZC		Released by the Host Institution		Expenditure		Unspent Balance as on 1 st April
	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
<u>Oilseeds</u>							
Inputs	8750	17500	Nil	Nil	8750	17500	Nil
Extension activities	1875	3750	Nil	Nil	1875	3750	
TA/DA/POL etc.	1250	2500	Nil	Nil	1250	2500	
Total	11875	23750			11875	23750	
<u>Pulses</u>							
Inputs	3640	10150	Nil	Nil	3640	10150	Nil
Extension activities	780	2175	Nil	Nil	780	2175	
TA/DA/POL etc.	520	725	Nil	Nil	520	725	
Total	4940	13050			4940	13050	

27. Status of Revolving Fund (Rs. In Lakhs) for the three years.

Year	Total Sanctioned	Opening Balance	Expected Income		Net balance in hand as on 1 st April of each year
			Fixed Deposit	Farm Income	
2006-2007	1.00	1.00	NIL	45 Qt. Paddy seed in stock	0.25

28. Please include information, which has not been reflected above:

1. Metrological observatory

The metrological observatory establish in the Krishi Vigyan Kendra, Dhanbad in an area of 60 ft (E-W) X 86 ft (N-S). With financial assistance from B.A.U. Kanke, Ranchi.

There are following instruments are installed in observatory.

- (a) Rain gauge
- (b) Single sternson screen.
- (c) Dry bulb and wet bulb thermometer
- (d) Maximum and minimum thermometer
- (e) Soil thermometer 10cm, 15cm and 30cm with stand
- (f) Mechanical wind vane.

2. Progeny Orchard

The state of Jharkhand is bestowed with soil and climatic condition suitable for growing different fruit plants. The main objective of the Model Nursery-Progeny Orchard to fulfill the requirement of elite quality identified and insured planting material to the farmers of the district about 26 varieties of the fruit crops has been planted in the area of 1 ha which was installed sprinkler irrigation system fully fenced by the iron pillar and barbed wire.

The model nursery under National Horticulture Mission will help farmers to bring more area in the district.

3. Vegetable seed processing unit

Vegetables are being grown in the rural areas of the state using their local varieties. The state potential to gross quality vegetable seed and also processed them. Keeping in view Birsa Agricultural University, Ranchi under National Horticulture Mission is sanctioned to processed the vegetable seeds.

Signature of P.C.

Signature of D.E.E