1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	***Telephone***		***E mail***
	Office	***FAX***	
KRISHI VIGYAN KENDRA, CAZRI Campus PALI-MARWAR, PIN: 306 401 (Rajasthan)	02932-256771	02932-256771	cazri_kvkpali@yahoo.co.in

1.2 .Name and address of host organization with phone, fax and e-mail

Address	***Telephone***		***E mail***
	Office	***FAX***	
Central Arid Zone Research Institute, Jodhpur	0291-2786584	0291-2788706	director@cazri.res.in

1.3. Name of the Programme Coordinator with phone & mobile no.

Name	***Telephone / Contact***		
	Residence	***Mobile***	***Email***
Dr. Dheeraj Singh	-	9414194005	dheerajthakurala@yahoo.com

1.4. Year of sanction: 1992

1.5. Staff Position (as on 31st March 2014)

S. No.	*Sanctioned post*	*Name of the incumbent*	*Designation*	*Discipline*	*Pay Scale (Rs.)*	*Present basic (Rs.)*	*Date of joining*	*Permanent / Temporary*	*Category (SC/ST/ OBC/ Others)*
1.	Programme Coordinator	Dr. Dheeraj Singh	Programme Coordinator	Horticulture	37400 - 67000 GP 9000	49240	19.9.2008	Permanent	Gen.
2.	Subject Matter Specialist	Dr. M. K. Chaudhary	T-7-8 (SMS)	Agronomy	15600 - 39100 GP 6600	35020	30.11.1996	Permanent	Gen.
3.	Subject Matter Specialist	Dr. M. L. Meena	T-6 (SMS)	Agril. Extn.	15600 - 39100 GP 5400	25080	28.4.2007	Permanent	ST
4.	Subject Matter Specialist	Dr. Aishwarya Dudi	T-6 (SMS)	Home Science	15600 - 39100 GP 5400	25080	9.8.2007	Permanent	OBC
5.	Subject Matter Specialist	Dr. S.C. Kachhawaha	T-6 (SMS)	Animal Science	15600 - 39100 GP 5400	24000	3.5.2008	Permanent	Gen.
6.	Subject Matter Specialist	Sh. L.P. Balai	T-6 (SMS)	Plant Pathology	15600 - 39100 GP 5400	21000	31.10.2013	Probation	SC
7.	Subject Matter Specialist	Sh. Chandan Kumar	T-6 (SMS)	Horticulture	15600 - 39100 GP 5400	21000	22.2.2014	Probation	OBC
8.	Technical Officer	Sh. M.S. Choudhary*	T-5	-	9300-34800 GP 4600	22590	30.1.2009	Permanent	Gen.
9.	Programme Assistant	-	-	-	-	-	-	-	-
10.	Computer Programmer	Sh. P. K. Tomar	T-4 (Comp.)	Computer	9300-34800 GP 4200	15670	5.112008	Permanent	Gen.
11.	Farm Manager	-	-	-	-	-	-	-	-
12.	Assistant	Sh. Mangi Lal Meena	Assistant	Administrative	9300-34800 GP 4200	17070	19.12.2013	Permanent	ST
13.	Stenographer	-	-	-	-	-	-	-	-
14.	Driver	Sh. Tara Ram	T-5 (Driver)	-	9300-34800 GP 4600	21930	01.7.1994	Permanent	ST
15.	Driver	-	-	-	-	-	-	-	-
16.	Supporting staff	Sh. Tara Ram	Cook	-	5500 -20200 GP 1800	10790	30.11.1996	Permanent	ST
17.	Supporting staff	Sh. Bhola Ram	R/ M	-	5500 - 20200 GP 1800	10410	30.11.1996	Permanent	ST

* Retired on 14th April, 2014

1.6. Total land with KVK (in ha)

S. No.	*Item*	*Area (ha)*
1	Under Buildings	00.5
2.	Under Demonstration Units	01.0
3.	Under Crops	20.0
4.	Orchard/Agro-forestry	03.0
5.	Others (specify)	15.5

1.7. Infrastructural Development

A) Buildings

S. N.	*Name of building*	*Source of funding*	*Stage*					
			Complete			*Incomplete*		
			Completion Date	*Plinth area (Sq.m)*	*Expenditure (Rs.)*	*Starting Date*	*Plinth area (Sq.m)*	*Status of construction*
1.	Administrative Building	ICAR	9.8.1998	715.7	2200000	-	-	-
2.	Farmers Hostel	ICAR	9.8.1998	329.5	1150000	-	-	-
3.	Staff Quarters (6)	-	-					
4.	Demonstration Units (6)	External	-	-	-	-	-	-
5	Fencing	ICAR	50 yrs old	-	-	-	-	-
6	Rain Water harvesting system	NABARD	12.11.2010	118.81	1000000	-	-	-
7	Automatic Weather Station	NHM	2012		283950	-	-	-
8	Threshing floor	Nil	-	-	-	-	-	-
9	Farm godown	Nil	-	-	-	-	-	-

B) Vehicles

Type of vehicle	*Year of purchase*	*Cost (Rs.)*	*Total kms. Run*	*Present status*
Tractor	1994	1,87,801	2217 hrs	Need replacement
Jeep	2012	5,54,000		Working condition

C) Equipments & AV aids

Name of the equipment	*Year of purchase*	*Cost (Rs.)*	*Present status*
Computer with printer	1998	85754	Working condition
Overhead Projector	1998	31900	Working condition*
LCD with Screen	2006	77500	Working condition
Laptop with multimedia	2006	52000	Working condition*
Multi-function photo copier	2008	74500	Working condition
Multi-function Fax machine	2009	15000	Working condition
Generator (Honda)	2010	42930	Working condition
Seed grading machine	2010	2400000	Working condition
Computer	2010	49500	Working condition
Laptop	2012	49675	Working condition
Printer	2013	14400	Working condition
Tablet	2013	14900	Working condition

1.8. A). Details of SAC meeting* conducted in the year 2012-13

Date	*Name and Designation of Participants*	*Salient Recommendations*	*Action taken*
July 29, 2013	1. **Dr. M.M. Roy**, Director, CAZRI, Jodhpur 2. **Dr. Y.V. Singh**, Zonal Project Director, Zone-VI, Jodhpur 3. **Dr. M.S. Meena**, PS (Ag. Ext.), Zonal Directorate, Zone VI, Jodhpur 4. **Dr. A.K. Mishra**, Head, Division IV & OIC, KVK, Jodhpur 5. **Dr. B.L. Jangid**, Sr. Scientist & Incharge, RRS CAZRI, Pali 6. **Dr. Vikas Khandelwal**, Sr. Scientist (Plant Breeding), RRS CAZRI, Pali 7. **Ms. Monika Shukla**, Scientist (Agronomy), RRS CAZRI, Pali 8. **Dr. Dheeraj Singh**, Programme Coordinator, KVK, Pali 9. **Dr. M.K. Choudhary**, SMS (Agron.), KVK, Pali 10. **Dr. M.L. Meena**, SMS (Ag. Ext.), KVK, Pali 11. **Dr. Hari Dayal**, SMS (Horticulture), KVK, Jodhpur 12. **Dr. Aishwarya Dudi**, SMS (Home Science), KVK, Pali 13. **Sh. P. K. Tomar**, Programme Assistant (Computer), KVK, Pali 14. **Dr. K.C. Mundra**, Dy. Manager, Govt. Dairy, Pali 15. **Sh. Banedan Ratnoo**, Nehru Yuva	1. Dr. M.M. Roy suggested to hold the meetings early possibly November – December or March – April may best fit as per ZPD programme. 2. Dr. Y.V. Singh advised to conduct the OFTs on salinity management, to increase FLDs on kharif pulses and a more OFT on chickpea in rainfed area in the selected villages. 3. Dr. Y.V. Singh suggested OFT on extension and to conduct more vocational trainings for rural youth. 4. Dr. Y.V. Singh suggested to conduct method demonstration on drudgery reduction for farm women and rural youth and to conduct OFT on malnutrition in adopted villages. 5. Dr. A.K. Mishra suggested that KVK, Jodhpur is working in PPP mode alongwith Reliance for silage making and similar model can be adopted for KVK, Pali also. 6. Dr. M.S. Meena (PS, Agricultural Extension, ZPD, Zone-VI) suggested to conduct impact study of 'on' and 'off' campus training and more emphasis on publishing hindi literature. 7. Dr. M.S. Meena suggested some trials should be taken for addressing salinity and sodicity problems of the area. 8. Dr. M.S. Meena (PS, Agricultural Extension, ZPD, Zone-VI) suggested to watch over the horizontal impact of FLDs in the villages. 9. Dr. B.L. Jangid suggested some changes in the title of proposed OFT of Agronomy. 10. Dr. K.C. Mundra, Dy. Manager, Pali Dairy suggested that some programmes should be taken for yearlong availability of fodder for the farmers of Pali district. 11. Dr. Vikas Khandelwal suggested adopting the Gujarat model for development of dairy programmes in Pali for which the necessary technical help may be taken from Navsari University and Anand Agriculture University.	Actions has been taken on all the recommendations

	Kendra, Pali 16. **Sh. Himata Ram**, Dy. Director, Department of Horticulture, Pali 17. **Ms. Kirti Vajariya**, AAO, Department of Agriculture. Pali 18. **Sh. Pema Ram Patel**, Farmer, village Hemawas, Pali 19. **Sh. Hema Ram**, Farmer, village Nai Dhani, Pali 20. **Sh. Pira Ram Patel**, Farmer, village Mukanpura, Pali 21. **Sh. Bhanvar Singh**, Farmer, village Giradara, Pali 22. **Sh. Anil Bhandari**, Os/JAO, KVK, Pali 23. Representative of **NABARD** 24. Representative of **CEO, Zila Parishad, Pali** **25.** Representative of **Department of Fisheries, Pali**	12. There was a general suggestion that vKVK message service should be modified and group formation may be included for improvement in vKVK model. 13. There was a general suggestion for stress on vegetable demonstrations, henna harvester and more FLDs on sorghum and pearl millet. For sorghum dual purpose variety may be used in the different programmes.	

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (2013-14)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	*Farming system/enterprise*
1.	Rainfed- Rohat and Pali tehsils
2.	Mainly canal command area and partially well irrigated- Sumerpur, Bali, Desuri
3.	Mainly well irrigated and partially canal command- Sojat, Raipur, Jaitaran and Marwar Jn. tehsils

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	*Agro-climatic Zone*	*Characteristics*
1.	Transitional Plain of Luni Basin	This area lies between the Aravalli ranges and western arid region. The region has semi-arid climate with an annual rainfall of 30 to 50 cm. It is drained by the river Luni which is seasonal and flows only during rainy season. A number of paleo-channels also exist in this area. The western part of this region is dotted with sand dunes, interspersed in alluvial soil. Luni and its several tributaries like Sukri, Mithri and Jawai have made this area productive. The climatic conditions are almost the same as in the western arid region except that the rainfall is slightly higher. Groundwater level is high in the river basins, and has been usefully taped for irrigation. Vegetation is xerophytic and sparse in the western part but in the east and on the slopes of the Aravalli ranges, there is mesophytic vegetation in the form of woodland, open forest and grasslands. The area produces bajra, maize, guar, sesame and pulses in the kharif season. In the rabi season wheat, barley and mustard are the dominant crops, specially in the irrigated area.
2.	Semi-arid transitional plain	The semi-arid transitional plain lies roughly between eastern margins of western desert and western foothills of Aravalli. It is formed of alluvium deposits laid by Luni, Gaggar, Saraswati, Chouthan and Sutlej river system. However, from western arid region the slop generally run from east to west and north to south. The north eastern part of the region has a general elevation of about 300 meters above M.S.L. but towards the south the elevation is about 150 meters except in Jalore, Sivana upland with lies above 300 meters. In eastern semi-arid plain, the topography is varied as a result, the region presents queer and confused amalgam of low land upland topography

2.3 Soil type/s

S. No	*Soil type*	*Characteristics*	*Area (ha)*
1.	Typic Torripsamments *Ustochreptic Camborthids* (Map Unit 114)	Very deep, well drained, sandy soils on gently sloppy plains with sandy surface, severely eroded, associated with: Very deep, well drained coarse loamy soil, severely eroded, slightly saline	205900
2.	Typic Camborthids *Typic Camborthids* (Map Unit 122)	Very deep, well drained, coarse loamy soil on very gently slopping plain with sandy surface, moderately eroded, associated with: Shallow, well drained, fine loamy soil, slightly eroded, slightly saline	196300
3.	Typic Camborthids *Typic Camborthids*	Moderately shallow, well drained, fine loamy soils on nearly level plain with loamy surface, slightly eroded, associated	140200

	(Map Unit 129)	with: Moderately shallow, well drained, fine soils, moderately eroded, moderately saline.	
4.	Typic Camborthids *Typic Camborthids* (Map Unit 125)	Very deep, moderately well drained, coarse loamy soils, on very gently sloppy aeofluvial plains of luni basin with sandy surface, moderate erosion associated with: very deep, well drained, coarse loamy soils on very gently sloppy aeofluvial plains of luni basin with slight erosion slightly saline and sodic	132200

2.4 Area, Production and Productivity of major crops cultivated in the district

S. No	*Crop*	*Area (ha)*	*Production (Qtl)*	*Productivity (Qtl /ha)*
1.	Sorghum	107755	546660	5.07
2.	Pearl millet	95437	467610	4.90
3.	Maize	22589	147260	6.52
4.	Sesame	84716	458820	5.42
5.	Green gram	59262	303530	5.12
6.	Mothbean	7139	14170	1.95
7.	Clusterbean	50699	358740	7.08
8.	Cotton	3268	26410	8.08
9.	Mustard	65883	915990	13.90
10.	Wheat	77302	1382710	17.89
11.	Barley	4065	73110	17.99
12.	Gram	30065	293690	8.62
13.	Cumin	5797	25630	4.42

Source: Office of Deputy Director, Agriculture (Extension), District Pali

2.5. Weather data

Month	*Rainfall (mm)*	*Temperature ^{0} C*		*Relative Humidity (%)*	
		Maximum	*Minimum*	*I*	*II*
Apr.-13	8.0	38.7	22.9	60.0	42.5
May-13	1.3	42.8	27.2	54.0	29.6
June-13	128.9	39.2	28.7	73.0	48.9
July-13	146.1	24.9	26.7	80.4	61.5
Aug.-13	234.1	32.0	24.9	86.0	67.7
Sept.-13	77.1	35.3	24.3	74.0	50.9
Oct.-13	26.3	34.6	20.4	69.9	39.0
Nov.-13	0.0	30.7	11.8	46.3	27.6
Dec.-13	0.0	27.5	7.4	68.0	27.7
Jan.-14	0.0	24.8	6.2	69.4	29.3
Feb.-14	0.0	28.4	10.5	58.0	23.6
March-14	0.0	33.0	15.9	42.6	21.9

Source: Agromet Section, CAZRI, RRS, Pali

2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	*Population*	*Production*	*Productivity*
Cattle			
Crossbred	2485	N.A.	N.A.
Indigenous	413549	47000	2.79
Buffalo	313531	195000	4.29
Sheep	1360904	1848107*	1.358**
Goats	605755	29000	0.57
Pigs	13429	N.A.	N.A.
Rabbits	90	N.A.	N.A.
Poultry			
Hens	73467	N.A.	N.A.

Note: * Wool production in kg
** Wool productivity in kg

Source: Office of Deputy Director (Animal Husbandry), District Pali

2.7 Details of Operational area / Villages (2013-14)

S. No	*Taluk*	*Name of block*	*Name of village*	*Major crops & enterprises*	*Major problems identified*	*Identified thrust area*
1	Rohat	Rohat	• Rampura • Mukanpura	• Pearl millet, • Green gram, • Mothbean, • Sorghum, • Sesame	• Weed management in rainfed crops • low yield of major crops • Fodder scarcity	Dry land farming
2	Pali	Pali	• Bagawas, • Nimbli kheda, • Dingai	• Gram, • Sorghum, • Sesame, • Green gram, • Pearl millet, • Wheat	• Saline/sodic land/ irrigation water • Poor fertility status of landlow yield of major crops	Dry land farming and Conserve moisture agriculture
3	Marwar Jn.	Marwar Jn.	• Dudod, • Jogdawas,	• Wheat, • Barley, • Mustard, • Green gram, • Clusterbean, • Sorghum, • Sesame	• Saline/sodic land/ irrigation water • Poor fertility status of landlow yield of major crops	Integrated crop management
4	Sojat	Sojat	• Naya gaon, • Nai dhani	• Wheat, • Mustard, • Barley, • Cumin, • Green gram, • Clusterbean, • Sorghum, • Sesame	• Saline/sodic land/ irrigation water • Poor fertility status of land • low yield of major crops	Integrated crop management
5	Raipur	Raipur	• Kushalpura • Haziwas	• Wheat, • Mustard,	• Saline/sodic land/ irrigation water	Integrated crop

				• Barley, • Cumin, • Green gram, • Clusterbean, • Sorghum, • Sesame	• Poor fertility status of land • low yield of major crops	management
6	Jaitarn	Jaitarn	• Nimaz	• Wheat, • Mustard, • Barley, • Cumin, • Clusterbean, • Sorghum, • Sesame • Ber • Aonla	• Saline/sodic land/ irrigation water • Poor fertility status of land • low yield of major crops	Integrated crop management

2.8 Priority/thrust areas

Thrust area
Management of limited, saline/ sodic water and soil
Dry land farming and integrated watershed management practices
Arid and semi arid horticultural practices
Pasture development
Livestock production and its management
Upliftment of rural communities through various vocations especially for socio-economically poor people

Crop/Enterprise	***Thrust area***
Wheat	Integrated nutrient management
Mustard	Integrated nutrient management
Cumin	Integrated pest management
Dhaman Grass	High yielding varieties
Moong	Integrated nutrient management
Til	Integrated nutrient management

3. TECHNICAL ACHIEVEMENTS

3.A Details of target and achievements of mandatory activities by KVK during 2013-14

OFT (Technology Assessment and Refinement)				*FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)*			
1				*2*			
Number of OFTs		*Number of Farmers*		*Number of FLDs*		*Number of Farmers*	
Targets	*Achievement*	*Targets*	*Achievement*	*Targets*	*Achievement*	*Targets*	*Achievement*
4	7	30	35	150	246	150	246

					Extension Activities			
3					*4*			
Number of Courses			*Number of Participants*		*Number of activities*		*Number of participants*	
Clientele	*Targets*	*Achievement*	*Targets*	*Achievement*	*Targets*	*Achievement*	*Targets*	*Achievement*
Farmers	90	100	500	2699	500	1470	15000	25576
Rural youth	10	26	150	1200	10	30	200	450
Extension functionaries	2	5	175	350	-	-	-	-

Seed Production (Qtl.)		*Planting material (Nos.)*	
5		*6*	
Target	*Achievement*	*Target*	*Achievement*
5	10.5	150	3500

3.B Abstract of interventions undertaken

S. No	*Thrust area*	*Crop/ Enterprise*	*Identified Problem*	*Interventions*					
				Title of OFT if any	*Title of FLD if any*	*Title of Training if any*	*Title of training for extension personnel if any*	*Ext. activities*	*Supply of seeds, planting materials etc.*
1.	Management of limited, saline/ sodic water and soil	1. Wheat 2. Mustard 3. Cumin 4. Barley	Low yield due saline/sodic soil and water	1. Production maximization of wheat under saline/ sodic soil and irrigation water 2. Production of maximum mustard under rainfed condition 3. Production of cumin under IPM 4. Production maximization of barley under saline/ sodic soil and irrigation water	1. Production of wheat under saline and sodic soil 2. Production of mustard good quality of oil 3. Production of cumin good quality of seed 4. Production of barley under saline and sodic soil	-	-	-	1. Seeds of RAJ 4083 2. Urvashi/ BS2 /BS3 3. GC 4 4. RD 2035/ 2592/2715
2.	Dry land farming	Fodder Sorghum	Low yield	Improving quality and production of fodder Sorghum	-	-	-	-	Seeds of sorghum (Pratap 1430)
3.	Dry land farming	Moong	Low yield	Improving productivity of moong seed	-	-	-	-	G 4/RMG 492
4.	Dry land farming	Cluster bean	Low yield	Improving productivity of cluster bean seed	-	-	-	-	RGC 1002
5.	Dry land farming	Til	Low yield	Improving productivity of Til seed and oils	-	-	-	-	RT 346
6.	Arid and semi arid horticultural practices	Ber	Low yield	Yield improvement of ber orchards through vermi composting and organic manuring with water conservation techniques	-	-	-	-	FYM, Vermi-compost

3.1 Achievements on technologies assessed and refined

A.1 Abstract of the number of technologies assessed* in respect of crops/enterprises

Thematic areas	*Cereals*	*Oilseeds*	*Pulses*	*Commercial Crops*	*Vege-tables*	*Fruits*	*Flower*	*Plantation crops*	*Tuber Crops*	*TOTAL*
Varietal Evaluation	12	2	2	2	4	1	0	0	0	23
TOTAL	12	2	2	2	4	1	0	0	0	23

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

A.2 Abstract of the number of technologies **refined*** in respect of crops/enterprises

Thematic areas	*Cereals*	*Oilseeds*	*Pulses*	*Commercial Crops*	*Vege-tables*	*Fruits*	*Flower*	*Plantation crops*	*Tuber Crops*	*TOTAL*
Varietal Evaluation	3	3	3	3	3	1	0	0	0	16
TOTAL	3	3	3	3	3	1	0	0	0	16

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

B. Details of each On Farm Trial

A. Technology Assessment

Trial 1: Wheat

1.	**Title**	**:**	Production maximization of wheat under saline/ sodic soil and irrigation water
2.	**Problem diagnose/defined**	**:**	Low yield due saline/sodic soil and water
3.	**Details of technologies selected for assessment/ refinement**	**:**	High yielding variety for saline/sodic conditions (RAJ 4037)
4.	**Source of technology**	**:**	RAU, Bikaner
5.	**Production system thematic area**	**:**	Irrigated, Varietal evaluation
6.	**Performance of the Technology with performance indicators**	**:**	Higher yield than farmers' practice
7.	**Final recommendation for micro level situation**	**:**	High production
8.	**Constraints identified and feedback for research**	**:**	Nil
9.	**Process of farmers participation and their reaction**	**:**	Good quality seed and high production

Trial 2: Mustard

1.	**Title**	**:**	Optimum plant population for mustard for getting higher yield./ Low productivity of mustard
2.	**Problem diagnose/defined**	**:**	Low yield due to low rainfall
3.	**Details of technologies selected for assessment/ refinement**	**:**	High plant population
4.	**Source of technology**	**:**	NRC Mustard, Bharatpur
5.	**Production system thematic area**	**:**	Irrigated
6.	**Performance of the Technology with performance indicators**	**:**	High yield than farmers' practice
7.	**Final recommendation for micro level situation**	**:**	High production
8.	**Constraints identified and feedback for research**	**:**	Nil
9.	**Process of farmers participation and their reaction**	**:**	High production and good quality of mustard oil

Trial 3: Cumin

1.	**Title**	**:**	Production technologies of cumin in arid area of Pali district
2.	**Problem diagnose/defined**	**:**	Low yield due to higher plant population
3.	**Details of technologies selected for assessment/ refinement**	**:**	High yielding variety for rainfed condition (RZ 223)
4.	**Source of technology**	**:**	RAU, Bikaner
5.	**Production system thematic area**	**:**	Integrated pest management
6.	**Performance of the Technology with performance indicators**	**:**	Higher yield than farmers' practice
7.	**Final recommendation for micro level situation**	**:**	High production
8.	**Constraints identified and feedback for research**	**:**	Yellowish at the time of flowering
9.	**Process of farmers participation and their reaction**	**:**	High production and good quality of seed

Trial 4: Sorghum

1.	**Title**	**:**	Improving quality and production of fodder Sorghum
2.	**Problem diagnose/defined**	**:**	Low yield
3.	**Details of technologies selected for assessment/ refinement**	**:**	High yielding variety (CSV 15)
4.	**Source of technology**	**:**	NRC for Sorghum, Hyderabad
5.	**Production system thematic area**	**:**	Rainfed, Varietal evaluation

6.	**Performance of the Technology with performance indicators**	**:**	Higher fodder yield than farmers' practice
7.	**Final recommendation for micro level situation**	**:**	In progress
8.	**Constraints identified and feedback for research**	**:**	In progress
9.	**Process of farmers participation and their reaction**	**:**	In progress

Trial 5: Low milk yield in bovine

	Title	**:**	Low milk yield in bovine
2.	**Problem diagnose/defined**	**:**	Low nutrition status, Poor economic condition for supplement feeding, Lack of knowledge of supplementary feeding
3.	**Details of technologies selected for assessment/ refinement**	**:**	1. Multi nutrient feed blocks 2. Oral calcium
4.	**Source of technology**	**:**	CAZRI, Jodhpur
5.	**Production system thematic area**	**:**	Milk production evaluation
6.	**Performance of the Technology with performance indicators**	**:**	Increased milk production and minimize the calving interval
7.	**Final recommendation for micro level situation**	**:**	Necessary supplementary feeding for lactating animals
8.	**Constraints identified and feedback for research**	**:**	Nil
9.	**Process of farmers participation and their reaction**	**:**	Increased the digestibility of roughage and rumen microbes, low priced source of protein

B. Results of On Farm Trials

Crop/ enterprise	*Farming situation*	*Problem Diagnosed*	*Title of OFT*	*No. of trials**	*Technology Assessed*	*Parameters of assessment*	*Data on the parameter*	*Results of assessment*	*Feedback from the farmer*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
Wheat	Irrigated	Low yield due saline/sodic soil and water	Production maximization of wheat under saline/ sodic soil and irrigation water	3	High yielding variety for saline/sodic conditions (RAJ 4037)	Grain yield and straw	-	Conti.	Conti.
Cumin	Irrigated	Low yield due to saline/sodic soil and water	Low productivity of cumin	3	High yielding variety for saline/sodic conditions (RZ 223)	Seed yield	-	Conti.	Conti.
Mustard	Irrigated	Low yield due to high plant population	Low productivity of mustard	3	Spacing row to row and plant to plant	Seed yield	-	Conti.	Conti.
Sorghum	Unirrigated	Low yield due to saline/sodic soil and water	Low productivity of fodder sorghum	3	High yielding variety for saline/sodic conditions (CSV 15)	Fodder yield	-	Conti.	Conti.
Animal Science	-	Low nutrition status, Poor economic condition for supplement feeding, Lack of knowledge of supplementary feeding	Low milk yield in bovine	3	Multi nutrient feed blocks, Oral calcium	Milk yield	-	Increased milk production	Increased the milk production and animal calving at right time

** No. of farmers*

Technology Assessed			****Production per unit***			***Net Return (Profit) in Rs. / unit***			***BC Ratio***		
11			***12***			***13***			***14***		
T_1	***T_2***	***T_3***	***T_1***	***T_2***	***T_3***	***T_1***	***T_2***	***T_3***	***T_1***	***T_2***	***T_3***
Local var.	Raj 3077	Raj 4037	1975	2840	3120	15220	19600	23300	1.3	2.8	3.4
Local var.	RZ 19	RZ 223	450	625	820	27400	44300	66900	1.9	2.6	3.1
Farmer practice	Recommended practice	Row spacing at 45 cm.	1225	1475	1860	11400	20150	22275	1.4	2.8	3.6
Local var.	Merta jowar	CSV 15	5202	6075	7055	6350	9555	13900	1.5	2.9	3.8
Farmer practice	MNFB + Galog bolus	MNFB + Galog bolus + Oral calcium	1100 litre per lactation	1450 litre per lactation	2080 litre per lactation	8000	11500	24800	0.55	0.85	1.9

****Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.***

Note: T_1= Farmers' practice, T_2 = Recommended, T_3 = Refined
**Field crops – kg/ha, * for horticultural crops = kg/plant, * milk and meat – litres or kg/animal*
Raj 4037 variety was adopted by 10 farmers as it was found to be best for problematic soil and water conditions.
RZ 223 variety was adopted by 20 farmers. It was found to best for problematic soil and water conditions.
Circular catchment's for rainwater harvesting +pond soil+ vermicompost application practice was also adopted by the 20 farmers. The main reason for adoption was run of water during rainy season and lack of soil moisture during rest of season. Secondly pond soil increases water holding capacity and provides some nutrients also. Vermicompost attributes to increase in soil fertility as well as water retention capacity.

B. Technology Refinement

Trial 1: Ber

1.	**Title**	**:**	Yield improvement of ber orchards through organic manuring with water conservation techniques
2.	**Problem diagnose/defined**	**:**	Low yield
3.	**Details of technologies selected for assessment/ refinement**	**:**	Rainwater harvesting (Circular catchment) + nutrient management through FYM (50 kg)+ Vermi-compost (10 kg) per plant
4.	**Source of technology**	**:**	CAZRI, Jodhpur
5.	**Production system thematic area**	**:**	Rainfed, INM
6.	**Performance of the Technology with performance indicators**	**:**	Higher fruit yield than control
7.	**Final recommendation for micro level situation**	**:**	Good quality fruit
8.	**Constraints identified and feedback for research**	**:**	Nil
9.	**Process of farmers participation and their reaction**	**:**	Adopted this variety

Results of On Farm Trials

Crop/ enterprise	*Farming situation*	*Problem Diagnosed*	*Title of OFT*	*No. of trials**	*Technology refined*	*Parameters*	*Data on the parameter*	*Results of refinement*	*Feedback from the farmer*	*Justifi cation for refinement*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
Ber	Rainfed	Low yield	Yield improvement of ber orchards through organic manuring with water conservation techniques	01	Rainwater harvesting (Circular catchment) + nutrient management through FYM (50 kg)+ Vermi-compost (10 kg) per plant	Fruit yield	-	Conti.	Conti.	Conti.

** No. of farmers*

Technology Assessed / Refined			**Production per unit*			*Net Return (Profit) in Rs. / unit*			*BC Ratio*		
11			*12*			*13*			*14*		
T_1	T_2	T_3	T_1	T_2	T_3	T_1	T_2	T_3	T_1	T_2	T_3
No water harvesting, No manuring	Circular catchment for rainwater harvesting +pond soil + FYM	Circular catchment for rainwater harvesting +pond soil+ vermicompost	25.2	36.3	42.0	133.5	301.0	362.0	2.1	3.7	3.8

**Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.*

Note: T_1= Farmers' practice, T_2 = Recommended, T_3 = Refined
**Field crops – kg/ha, * for horticultural crops = kg/plant, * milk and meat – litres or kg/animal*

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2013-14 and recommended for large scale adoption in the district

S. No	*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*
1.	**Til**	Integrated crop management	Package of practices for **Sesame** • Seed (RT 346) • Fertilizer (DAP 54 kg/ ha) • Biofertilizer (PSB)	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Goshthi, Field visit etc.	8	120	80
2.	**Moong**	Integrated crop management	Package of practices for **Moong** • Seed (SML 668) • Fertilizer (DAP 65 kg/ ha) • Biofertilizers (PSB)	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Goshthi, Field visit etc.	7	60	40
3.	**Cluster bean**	Varietal performance	Package of practices for **Cluster bean** • Seed (RGC 1017) • Fertilizer (DAP 60 kg/ ha) Biofertilizers (PSB)	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Goshthi, Field visit etc.	10	75	50
4.	**Mustard**	Integrated crop management	Package of practices for **Mustard** • Seed (Maya) • Fertilizer (DAP 87, Urea 96, Sulphur 40 kg/ ha) • Biofertilizers (PSB) • IPM	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Gosthi, Field visit, farmers' scientists interaction etc.	4	35	23

5.	**Wheat**	Varietal evaluation	Improved **Wheat** var. Raj 4037	• Result demonstration • Extension literature	10	67	37
6.	**Barley**	Varietal evaluation	Improved **Barley** var. RD 2052, RD 2503, RD 2552, RD 2668	• Result demonstration • Extension literature	8	67	35
7.	**Cumin**	Varietal evaluation	Improved **Cumin** var. RZ 223, GC-4	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Goshthi, Field visit etc.	12	79	45
8.	**Methi**	Varietal evaluation	Improved RMT 305	• Result demonstration • Extension literature • Extension activities viz. Field day, Kisan Goshthi, Field visit etc.	10	60	28

** Thematic areas as given in Table 3.1 (A1 and A2)*

*b. Details of FLDs implemented during 2013-14 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)*

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.	Cluster bean	Varietal performance	Seed, Biofertilizer	Kharif 2012-13	15	15	19	20	39	-
2.	Moong	Varietal performance	Seed, Biofertilizer	Kharif 2012-13	10	10	9	16	25	-
3.	Til	High production	Seed	Kharif 2012-13	10	10	7	20	27	-
4.	Sorghum	High production	Seed, organic manure	Kharif 2012-13	20	20	10	20	30	-
5.	Chickpea	High production	Seed, organic manure	Rabi 2013-14	10	5	8	14	22	Conducted
6.	Wheat	Varietal performance	Seed, Biofertilizer	Rabi 2013-14	30	30	18	32	50	Conducted
7.	Barley	Varietal performance	Seed, Biofertilizer	Rabi 2013-14	20	20	12	46	58	Conducted
8.	Mustard	Varietal performance	Seed, Biofertilizer	Rabi 2013-14	15	15	5	24	29	Conducted
9.	Cumin	Varietal performance	Seed, Organic manure	Rabi 2013-14	22	22	17	31	48	Conducted

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	Rabi	Irrigated	Sandy loam	L	L	M	Guar	2nd week of Nov 13	2nd week of Mar 14	0	0
Barley	Rabi	Irrigated	Sandy loam	L	L	M	Guar	2nd week of Nov. 13	2nd week of Mar 14	0	0
Cumin	Rabi	Irrigated	Sandy loam	L	L	M	Moong	1st week of Nov 13	1st week of Mar 14	0	0
Mustard	Rabi	Irrigated	Sandy loam	L	L	M	Moong	15th Oct. 13	1st week of Feb 14	0	0
Methi	Rabi	Irrigated	Sandy loam	L	L	M	Til	1st week of Nov 13	Last week of Mar 14	0	0
Cluster bean	Kharif	Rainfed	Sandy loam	L	L	M	Fallow	1st week of July 13	Last week of Sept. 14	>400	85
Til	Kharif	Rainfed	Sandy loam	L	L	M	Fallow	2nd week of July 13	Last week of Sept. 14	>400	85

Performance of FLD

Sl. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Wheat	Seed, Biofertilizer	Raj 4083	36	15	48.85	39.6	43.6	34	28.24	-	-
2.	Barley	Seed, Biofertilizer	RD 2552	34	15	44.7	32.5	39.4	31.2	26.28	-	-
3.	Cumin	Seed, Organic manure	GC 4	26	15	10.5	4.6	6.3	4.6	36.96	-	-
4.	Mustard	Seed	GM 4	22	15	25.2	15.3	17.7	14.2	24.65	-	-
5.	Cluster bean	Seed, Biofertilizer	RGC 1003	40	10	15.7	6.9	10.9	8.3	31.33	-	-
			RGM 112			14.2	6.5	10.5	7.5	40.00	-	-
6.	Moong	Seed, Biofertilizer	IPM 02-3	40	10	12.5	6.5	10.5	8.2	28.05	-	-
			G 4			13.5	7.2	10.9	7.9	37.97	-	-
			RMG 492			14.1	8.5	10.6	7.5	41.33	-	-
7.	Sesame	Seed, Biofertilizer	RT 346	23	15	9.1	5.6	6.8	5.5	23.64	-	-
8	Sorghum	Fodder	Pratap 1430	10	10	85	64.5	67.5	54.6	23.63	-	-
9	Chickpea	Seed, Biofertilizer	Pratap Chana 1	15	5	20.5	9.6	13.7	11.9	15.13	-	-
			RSG 888			20.5	9.5	14.5	10.2	42.16	-	-

* No yield measure due to long dry spell & drought condition during the reporting period.

NB: Attach few good action photographs with title at the back with pencil

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		***Average Gross Return (Rs./ha)***		***Average Net Return (Profit) (Rs./ha)***		***Benefit-Cost Ratio (Gross Return / Gross Cost)***	
Demonstration	***Local Check***	***Demonstration***	***Local Check***	***Demonstration***	***Local Check***		
14	***15***	***16***	***17***	***18***	***19***	***20***	***21***
20200	19600	53500	37200	33300	17600	2.65	1.90
15600	14900	43900	29260	28300	14360	2.81	1.96
20300	19900	66200	38200	45900	18300	3.26	1.92
16900	14600	54400	32000	37500	17400	3.22	2.19
9500	8200	31200	17200	21700	9000	3.28	2.10
10200	9400	30500	15600	20300	6200	2.99	1.66
8200	7400	26000	13500	17800	6100	3.17	1.82
7500	6800	29000	14000	21500	7200	3.87	2.06
7150	6175	31000	12600	23850	6425	4.34	2.04
8900	7400	30000	14200	21100	6800	3.37	1.92
13900	12400	28300	16200	14400	3800	2.04	1.31
6700	5500	22200	15112	15500	9612	3.31	2.75
8900	7500	24300	14315	15400	6815	2.73	1.91

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

Crop	***Season***	***Component***	***Farming situation***	***Average yield (q/ha)***	***Local check (q/ha)***	***Percentage increase in productivity over local check***
Wheat	Rabi	1. Seed/Variety Raj 4083	Irrigated	42.66	34.16	24.88
Barley	Rabi	1. Seed/Variety RD 2035	Irrigated	39.0	31.0	25.80
Cumin	Rabi	1. Seed/Variety GC 4	Irrigated	8.75	6.75	29.62
Cluster bean	Kharif	1. Seed/Variety RGC 1002	Rainfed	9.0	7.0	28.57
Mustard	Rabi	1. Seed/Variety Urvarshi	Irrigated	16.5	13.0	26.92
Til	Kharif	1. Seed/ Variety RT 346	Rainfed	7.5	5.7	31.58
Moong	Kharif	1. Seed/ Variety GM 4	Rainfed	7.5	5.3	41.50
Chickpea	Rabi	1. Seed/ Variety Pratap chana 1	Rainfed	17.3	14.6	18.49
Sorghum	Kharif	1. Seed/ Variety Pratap 1430	Rainfed	280	233	33.40
Methi	Rabi	1. Seed/Variety RMT 305	Irrigated	17.3	12.1	42.97

* No yield due to drought conditions.

Technical Feedback on the demonstrated technologies

S. No	*Feed Back*
1	Non-availability of seeds of latest high yielding variety of all major crops viz. cumin, wheat, gram, moong, guar, etc and biofertilizer in time

Farmers' reactions on specific technologies

S. No	*Feed Back*
1	• Early vigorous growth and branching of Mustard var. GM3 appreciated by the farmers along with Bold size quality grain & pod containing higher oil content due to basal dose of fertilizer & sulphur. • Variety of mustard gave better performance under limited water as compared to local in terms of branching, no. of siliqua, size of siliqua, & grain etc
2	• GC 4 disease resistant like wilt, powdery mildew disease and higher production and good quality seed
3	• Raj 4083 Higher production of grain and good quality of seed in arid region
4	• RD 2552 Higher yield in rainfed condition, disease resistant variety

Extension and Training activities under FLD

Sl No.	*Activity*	*No. of activities organised*	*Number of participants*	*Remarks*
1	Field days	18	652	Improved varieties
2	Farmers Training	25	350	TOT
3	Media coverage	26	-	-
4	Publications	5	-	-

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

Enterprise	***Breed***	***No. of farmers***	***No. of animals, poultry birds etc.***	***Performance parameters / indicators***	**** Data on parameter in relation to technology demonstrated***		***% change in the parameter***
					Demon.	***Local check***	
Multi Nutrient Feed Block	Cattle and buffalo	05	45	Balance feeding of animals	-	-	20% milk increase
Urea molasses	Cattle and buffalo	10	75	Increasing nutritive value of dry fodder	-	-	15% milk increase
Balance feeding	Cattle and buffalo	35	35	Increasing milk production	-	-	30-35% milk increase
Worm infestation	Cattle and buffalo	60	220	Disease incidence decrease	-	-	70% animals are free from worms
Azolla	Cattle and buffalo	25	75	Increasing milk production and infertility check	-	-	15-20% milk production increase
Mineral mixture	Buffalo	15	45	Increasing milk production and infertility check	-	-	15-20% milk production increase
Control of mastitis through teat dipping	Cross breed	05	25	Mastitis control	Teat dipping	Teat washing through tap water	80% control of mastitis

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises

Enterprise	*Variety/ breed/ Species/ others*	*No. of farmers*	*No. of Units*	*Performance parameters / indicators*	*Data on parameter in relation to technology demonstrated*		*% change in the parameter*	*Remarks*
					Demon.	*Local check*		
Vermi compost	*Assenia foeatida*	25	25	Production of vermi-compost	30 quintal	18 quintal	26.9%	

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Higher productivity
2	Low insect pest

Farmers' reactions on specific technologies

S. No	Feed Back
1	Low cost input and higher gain
2	Saving time

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	18	652	
2	Farmers Training	15	375	
3	Media coverage	25	-	
4	Training for extension functionaries	5	250	

3.3 Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

A) ON Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Resource Conservation Technologies	1	10	0	10	10	0	10	20	0	20
Cropping Systems	2	45	5	50	5	5	10	50	10	60
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Water management	4	83	2	85	14	7	21	97	9	106
Fodder production	2	26	0	26	7	0	7	33	0	33
Production of organic inputs	2	40	0	40	10	6	16	50	6	56
II Horticulture										
a) Vegetable Crops										
Off-season vegetables	2	40	5	45	3	2	5	43	7	50
Nursery raising	1	20	5	25	4	4	8	24	9	33
b) Fruits										
Cultivation of Fruit	3	65	13	78	13	4	17	78	17	95
III Soil Health and Fertility Management										
IV Livestock Production and Management										
Dairy Management	2	40	0	40	19	5	24	59	5	64
Disease Management	1	20	3	23	2	2	4	22	5	27
V Home Science/Women empowerment										
Income generation activities for empowerment of rural Women	7	0	210	210	0	83	83	0	293	293
VI Agril. Engineering										
VII Plant Protection										
Integrated Pest Management	1	20	5	25	2	2	4	22	7	29
Integrated Disease Management	2	25	10	35	9	3	12	34	13	47
VIII Fisheries										
IX Production of Inputs at site										

X Capacity Building and Group Dynamics										
Leadership development	1	30	2	32	5	5	10	35	7	42
Group dynamics	2	45	0	45	15	5	20	60	5	65
Entrepreneurial development of farmers/youths	6	135	5	140	55	40	95	190	45	235
XI Agro-forestry										
Nursery management	1	35	5	40	6	6	12	41	11	52
TOTAL	40	679	270	949	179	179	358	858	449	1307
(B) RURAL YOUTH										
Mushroom Production	1	5	0	5	0	25	25	5	25	30
Seed production	2	36	4	40	3	2	5	39	6	45
Vermi-culture	4	78	10	88	0	25	25	78	35	113
Repair and maintenance of farm machinery and implements	3	33	2	35	10	2	12	43	4	47
TOTAL	10	152	16	168	13	54	67	165	70	235
(C) Extension Personnel										
Livestock feed and fodder production	2	140	0	140	33	0	33	173	0	173
TOTAL	2	140	0	140	33	0	33	173	0	173
Grand Total	52	971	286	1257	225	233	458	1196	519	1715

B) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	3	62	15	77	13	3	16	75	18	93
Resource Conservation Technologies	4	60	10	70	15	2	17	75	12	87
Cropping Systems	13	229	37	266	37	16	53	266	53	319
Water management	3	54	13	67	4	4	8	58	17	75
Fodder production	3	56	10	66	12	5	17	68	15	83
Production of organic inputs	3	50	0	50	12	0	12	62	0	62
II Horticulture										
a) Vegetable Crops										
Nursery raising	1	25	5	30	0	0	0	25	5	30
b) Fruits										
Cultivation of Fruit	4	120	14	134	10	12	22	130	26	156
III Soil Health and Fertility										

Management										
Soil fertility management	2	33	20	53	0	0	0	33	20	53
IV Livestock Production and Management										
Disease Management	2	80	20	100	10	5	15	90	25	115
V Home Science/Women empowerment										
Value addition	1	0	0	0	0	30	30	0	30	30
Income generation activities for empowerment of rural Women	3	0	80	80	0	20	20	0	100	100
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	3	60	5	65	15	10	25	75	15	90
VII Plant Protection										
Integrated Pest Management	1	25	5	30	0	0	0	25	5	30
Integrated Disease Management	2	35	6	41	5	6	11	40	12	52
VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										
Leadership development	2	60	5	65	4	3	7	64	8	72
Group dynamics	5	160	15	175	7	2	9	167	17	184
Entrepreneurial development of farmers/youths	5	130	15	145	16	5	21	146	20	166
XI Agro-forestry										
TOTAL	60	1239	275	1514	160	123	283	1399	398	1797
(B) RURAL YOUTH										
Seed production	3	73	5	78	15	2	17	88	7	95
Vermi-culture	2	50	13	63	10	6	16	60	19	79
Protected cultivation of vegetable crops	2	10	35	45	10	45	55	20	80	100
Repair and maintenance of farm machinery and implements	3	40	10	50	16	3	19	56	13	69
Nursery Management of Horticulture crops	3	78	12	90	17	15	32	95	27	122
Value addition	3	55	14	69	30	11	41	85	25	110

TOTAL	16	306	89	395	98	82	180	404	171	575
(C) Extension Personnel										
Integrated Nutrient management	2	90	13	103	0	0	0	90	13	103
Capacity building for ICT application	1	45	3	48	10	1	11	55	4	59
TOTAL	3	135	16	151	10	1	11	145	17	162
Grand Total	79	1680	380	2060	268	206	474	1948	586	2534

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	3	62	15	77	13	3	16	75	18	93
Resource Conservation Technologies	5	70	10	80	25	2	27	95	12	107
Cropping Systems	15	274	42	316	42	21	63	316	63	379
Water management	7	137	15	152	18	11	29	155	26	181
Fodder production	5	82	10	92	19	5	24	101	15	116
Production of organic inputs	5	90	0	90	22	6	28	112	6	118
II Horticulture										
a) Vegetable Crops										
Off-season vegetables	2	40	5	45	3	2	5	43	7	50
Nursery raising	2	45	10	55	4	4	8	49	14	63
b) Fruits										
Cultivation of Fruit	7	185	27	212	23	16	39	208	43	251
III Soil Health and Fertility Management										
Soil fertility management	2	33	20	53	0	0	0	33	20	53
IV Livestock Production and Management										
Dairy Management	2	40	0	40	19	5	24	59	5	64
Disease Management	3	100	23	123	12	7	19	112	30	142
V Home Science/Women empowerment										
Value addition	1	0	0	0	0	30	30	0	30	30
Income generation activities for empowerment of rural Women	10	0	290	290	0	103	103	0	393	393

VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	3	60	5	65	15	10	25	75	15	90
VII Plant Protection										
Integrated Pest Management	2	45	10	55	2	2	4	47	12	59
Integrated Disease Management	4	60	16	76	14	9	23	74	25	99
VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										
Leadership development	3	90	7	97	9	8	17	99	15	114
Group dynamics	7	205	15	220	22	7	29	227	22	249
Entrepreneurial development of farmers/youths	11	265	20	285	71	45	116	336	65	401
XI Agro-forestry										
Nursery management	1	35	5	40	6	6	12	41	11	52
TOTAL	100	1918	545	2463	339	302	641	2257	847	3104
(B) RURAL YOUTH										
Mushroom Production	1	5	0	5	0	25	25	5	25	30
Seed production	5	109	9	118	18	4	22	127	13	140
Vermi-culture	6	128	23	151	10	31	41	138	54	192
Protected cultivation of vegetable crops	2	10	35	45	10	45	55	20	80	100
Repair and maintenance of farm machinery and implements	6	73	12	85	26	5	31	99	17	116
Nursery Management of Horticulture crops	3	78	12	90	17	15	32	95	27	122
Value addition	3	55	14	69	30	11	41	85	25	110
TOTAL	26	458	105	563	111	136	247	569	241	810
(C) Extension Personnel										
Integrated Nutrient management	2	90	13	103	0	0	0	90	13	103
Capacity building for ICT application	1	45	3	48	10	1	11	55	4	59
Livestock feed and fodder production	2	140	0	140	33	0	33	173	0	173
TOTAL	5	275	16	291	43	1	44	318	17	335
GRAND TOTAL	131	2651	666	3317	493	439	932	3144	1105	4249

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Detailed training programmes

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
13.2.2013	Farmer	Seed multiplication of kharif crops	Agronomy	Seed production	1	Off	15	4	19	4	0	4	19	4	23
23.4.2013	Farmer	Improved package practices for grasses	Agronomy	Fodder production	1	Off	16	0	16	5	0	5	21	0	21
30.4.2013	Farmer	Farm implements	Agronomy	Improved implements	1	Off	10	4	14	2	2	4	12	6	18
31.5.2013	Farmer	Composting for soil fertility	Agronomy	Organic farming	1	Off	18	0	18	2	0	2	20	0	20
6.6.2013	Farmer	Cultivation practices for kharif oilseed	Agronomy	Oilseed production	1	Off	15	1	16	2	1	3	17	2	19
21.6.2013	Farmer	Fertility management through composting	Agronomy	Fertility management	1	Off	12	0	12	5	0	5	17	0	17
9.7.2013	Farmer	Seed multiplication of kharif crops	Agronomy	Seed production	1	Off	15	0	15	6	0	6	21	0	21
10.7.2013	Farmer	Improved package practices for kharif crops	Agronomy	Kharif crops	1	Off	20	0	20	4	0	4	24	0	24
23.7.2013	Farmer	Weed management in kharif crops	Agronomy	Weed management	1	Off	14	4	18	2	0	2	16	4	20
26.7.2013	Farmer	Rainwater harvesting for rainfed farming	Agronomy	Water management	1	Off	16	0	16	4	0	4	20	0	20
7.8.2013	Farmer	Seed multiplication	Agronomy	Seed production	1	Off	20	5	25	3	0	3	23	5	28
7.9.2013	Farmer	Agronomical practices for rabi oilseeds	Agronomy	Rabi oilseed production	1	Off	15	0	15	2	0	2	17	0	17
7.10.2013	Farmer	Improved package of practices for rabi cereals	Agronomy	Rabi cereal production	1	Off	15	5	20	4	0	4	19	5	24

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
12.11.2013	Farmer	Water management technology	Agronomy	Water conservation	1	Off	20	3	23	2	0	2	22	3	25
16.11.2013	Farmer	Package practices for rainfed crops	Agronomy	Rainfed cultivation	1	Off	20	0	20	5	0	5	25	0	25
20.11.2013	Farmer	Irrigation management in field crops	Agronomy	Irrigation management	1	Off	18	6	24	1	0	1	19	6	25
10.12.2013	Farmer	Fodder production technology	Agronomy	Fodder production	1	Off	14	3	17	0	1	1	14	4	18
16.12.2013	Farmer	Improved package practices for rabi crops	Agronomy	Pest management	1	Off	17	5	22	0	0	0	22	0	22
24.12.2013	Farmer	Weed management in rabi crops	Agronomy	Weed management	1	Off	28	7	35	0	0	0	35	0	35
2.1.2014	Farmer	Method and techniques for composting	Agronomy	Organic farming	1	Off	17	5	22	0	0	0	22	0	22
13.1.2014	Farmer	Improved package practices for rabi crops	Agronomy	Rabi crop production	1	Off	18	5	23	2	0	2	20	5	25
16.1.2014	Farmer	Improved farm implements	Agronomy	Farm implements	1	Off	20	3	23	2	0	2	22	3	25
17.1.2014	Farmer	Weed management	Agronomy	Weed management	1	Off	20	5	25	0	0	0	20	5	25
24.1.2014	Farmer	Improved package practices for summer fodder	Agronomy	Summer crop cultivation	1	Off	26	7	33	0	0	0	26	7	33
7.2.2014	Farmer	Irrigation management for field crops	Agronomy	Irrigation management	1	Off	27	3	30	0	0	0	30	0	30
10.2.2014	Farmer	Storage of farm produce	Agronomy	Storage techniques	1	Off	12	10	22	0	0	0	22	0	22
26.4.2013	Farmer	Improved cultivation practices for quality fodder production	Agronomy	Fodder production	1	On	6	0	6	6	0	6	12	0	12

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
18.5.2013	Farmer	Utilization of modern farm implements	Agronomy	Farm implements	1	On	10	0	10	0	0	0	10	0	10
28-29.5.2013	Farmer	Management of problematic soils	Agronomy	Soil conservation	2	On	20	0	20	4	0	4	24	0	24
24-25.6.2013	Farmer	Cultivation practices for kharif oilseed crops	Agronomy	Kharif oilseed production	2	On	10	0	10	4	0	4	14	0	14
2-3.7.2013	Farmer	Soil fertility management through composting	Agronomy	Soil fertility management	2	On	20	0	20	2	0	2	22	0	22
15-19.10.2013	Farmer	Rabi crops production technology	Agronomy	Rabi crop production	5	On	35	5	40	5	5	10	40	10	50
24-25.10.2013	Farmer	Efficient management of available irrigation water	Agronomy	Water management	2	On	18	0	18	2	0	2	20	0	20
29-30.10.2013	Farmer	Efficient management of available irrigation water	Agronomy	Irrigation use efficiency	2	On	20	0	20	5	0	5	25	0	25
11-12.11.2013	Farmer	Crop production technology under conserved moisture	Agronomy	Moisture conservation	2	On	18	0	18	4	2	6	22	2	24
18.12.2013	Farmer	Fodder production technology	Agronomy	Fodder production	1	On	20	0	20	1	0	1	21	0	21
3.4.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Employment generation	1	Off	30	0	30	6	0	6	36	0	36
4.4.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Entrepreneurship	1	Off	25	5	30	5	0	5	30	5	35
23.4.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Entrepreneurship	1	Off	30	0	30	0	0	0	30	0	30

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
9.5.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Entrepreneurship	1	Off	30	5	35	0	0	0	30	5	30
13.5.2013	Farmers	Adoption of improved farm implements	Agricultural Extension	Farm implements	1	Off	30	5	35	2	2	4	32	7	39
14.5.2013	Farmers	Sources of information used by the farmers in crop production	Agricultural Extension	ICT	1	Off	30	0	30	0	0	0	30	0	30
24.5.2013	Farmers	Mass media and modern information technology	Agricultural Extension	ICT	1	Off	35	0	35	0	0	0	35	0	35
7.6.2013	Farmers	Sources of information used by the farmers in crop production	Agricultural Extension	Information sources	1	Off	45	5	50	5	0	5	50	5	55
8.6.2013	Farmers	Grain storage technologies	Agricultural Extension	Rural developments	1	Off	30	5	35	5	0	5	35	5	40
10.6.2013	Farmers	Adoption of drip irrigation in field crops	Agricultural Extension	Soil and water management	1	Off	30	0	30	0	5	5	30	5	35
15.6.2013	Farmers	Grain storage	Agricultural Extension	Storage	1	Off	15	5	20	5	5	10	20	10	30
2.7.2013	Farmers	Modern information technology	Agricultural Extension	ICT	1	Off	10	10	20	5	5	10	15	15	30
1-2.4.2013	Farmers/ Farm woman	Value addition of arid fruits	Agricultural Extension	PHT	2	On	40	0	40	10	0	10	50	0	50
13-14.5.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Entrepreneurship	2	On	0	0	0	0	20	20	0	20	20
16-17.6.2013	Farmers	Entrepreneurship development in agriculture	Agricultural Extension	Entrepreneurship	2	On	15	0	15	5	0	5	20	0	20
2-3.8.2013	Farmers/	Mass media and	Agricultural	ICT	2	On	20	0	20	10	0	10	30	0	30

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
	Farm woman	modern information technology	Extension												
11-12.09.2013	Farmers	Mass media and modern information technology	Agricultural Extension	Information technology	2	On	25	0	25	5	0	5	30	0	30
14-18.10.2013	Farmers	Government programme beneficial for farmers	Agricultural Extension	Income generation	5	On	30	0	30	20	0	20	50	0	50
22-24.12.2013	Farm women	Processing and value addition of arid vegetables	Agricultural Extension	PHT	3	On	0	5	5	0	15	15	0	20	20
30.1.2014	Livestock Assistant	Disease management in small ruminants	Agricultural Extension	Disease management	1	On	50	0	50	20	0	20	70	0	70
2.2.2014	Farm woman	Bandhej technique	Home Science	Income generation	1	Off	0	25	25	0	10	10	0	35	35
3.2.2014	Farm woman	Stitching of baby garments	Home Science	Income generation	1	Off	0	30	30	0	0	0	0	30	30
4.2.2014	Farm women	Bandhej techniques	Home Science	Income generation	1	Off	0	25	25	0	10	10	0	35	35
7.3.2014	Farm women	Preservation techniques	Home Science	PHT	1	Off	0	0	0	0	30	0	0	30	30
13-14.5.2013	Farm woman	Papad making	Home Science	Income generation	2	On	0	20	20	0	0	0	0	20	20
5-6.7.2013	Farm woman	Bandhej technique	Home Science	Income generation	2	On	0	0	0	0	20	20	0	20	20
5-6.7.2013	Farm woman	Tailoring techniques	Home Science	Income generation	2	On	0	20	20	0	0	0	0	20	20
22-23.7.2013	Farm women	Stitching of baby garments	Home Science	Income generation	2	On	0	5	5	0	15	15	0	20	20
25-26.10.2013	Farm women	Drudgery reduction	Home Science	Income generation	2	On	0	0	0	0	20	20	0	20	20
29-30.1.2014	Farm women	Stitching	Home Science	Income generation	2	On	0	15	15	0	5	5	0	20	20
20-	Farm	Drudgery reduction	Home	Income	2	On	0	0	0	0	20	20	0	20	20

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
21.3.2014	women		Science	generation											
5.7.2013	Farmers	Plant protection measures in kharif crops	Plant protection	Plant Protection	1	Off	20	0	20	0	0	0	20	0	20
19.7.2013	Farmers	Plant protection measures in kharif crops	Plant protection	Plant Protection	1	Off	25	0	25	0	0	0	25	0	25
21.12.2013	Farmers	Plant protection measures in rabi crops	Plant protection	Plant Protection	1	Off	10	6	16	5	6	11	15	12	27
4-5.4.2013	Farmers	Seed treatment of summer vegetables	Plant protection	IPM	32	On	20	0	20	0	0	0	20	0	20
8-9.11.2013	Farmers	Plant protection measures in rabi crops	Plant protection	Plant Protection	2	On	20	0	20	0	0	0	20	0	20
28-29.3.2014	Farm women	Mushroom cultivation	Plant protection	Plant Protection	2	On	0	25	25	0	5	5	0	30	30
6.9.2013	Farmers	Arid fruit production	Horticulture	Arid horticulture	1	Off	20	0	20	0	0	0	20	0	20
25.10.2013	Farmers	Production technology of vegetable crops	Horticulture	Arid horticulture	1	Off	30	0	30	0	0	0	30	0	30
30.10.2013	Farmers	Production technology of fruits	Horticulture	Arid horticulture	1	Off	35	0	35	0	0	0	35	0	35
13.11.2013	Farmers	Improved ber budding technology	Horticulture	Arid horticulture	1	Off	20	6	26	3	0	3	23	6	29
18.11.2013	Farmers	Nursery management	Horticulture	Arid horticulture	1	Off	25	5	30	5	0	5	30	5	35
5-6.8.2013	Farmers	Production technology of vegetable crops	Horticulture	Arid horticulture	2	On	20	0	20	5	0	5	25	0	25
5-6.8.2013	Farmers	Irrigation management in cucurbits	Horticulture	Arid horticulture	2	On	20	3	23	0	0	0	20	3	23
24-25.9.2013	Farmers	Propagation of arid fruit plants	Horticulture	Arid horticulture	2	On	20	3	23	5	0	5	25	3	28
23-	Farmers	Ber budding	Horticulture	Arid horticulture	2	On	20	2	22	2	2	4	22	4	26

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
24.11.2013		technology													
7-8.1.2014	Farmers	Arid fruit and vegetable production technology	Horticulture	Cultivation of fruits and vegetables	2	On	25	6	31	5	2	7	30	8	38
12.4.2013	Farmers	Reproduction problem and their remedial measure in livestock	Veterinary Science	Breed improvement	1	Off	20	0	20	13	0	13	33	0	33
28.7.2013	Farmers	Balance feed management in animals	Veterinary Science	Feed management	1	Off	20	0	20	6	0	6	26	0	26
31.1.2014	Farmers	Balance feed management in animals	Veterinary Science	Feed management	1	On	50	0	50	20	0	20	70	0	70
4-5.2.2014	Farmers	Management of dairy animals and increase their production	Veterinary Science	Dairy Management	2	On	30	0	30	0	0	0	30	0	30

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Leadership development	20.12.2013 – 18.1.2014	Youth leadership and personality development programme	Leadership and personality development	30	29	1	30	4	4	4	0
Organic	3-4.6.2013	Organic	Income	2	15	5	20	10	10	10	0

farming		farming for sustainable agriculture	generation								
Seed multiplication	1-2.11.2013	Seed multiplication technology	Income generation	2	21	0	21	5	5	5	0
Fruit and vegetable	17-18.11.2013	Processing and value addition of fruits and vegetables	Value addition	2	35	2	37	15	15	15	0
Fruits	4-5.1.2014	Income generation of farm women	Income generation	2	0	20	20	2	2	2	0
Vegetables	11-12.2.2014	Value addition of arid vegetables	Value addition	2	0	31	31	3	3	3	0
Farm implements	27-28.2.2014	Utilization of improved farm implements	Farm machinery	2	22	0	22	5	5	5	0
Mushroom cultivation	28-29.3.2014	Mushroom cultivation in low cost input	Income generation	2	20	5	25	6	6	6	0
Total				**44**	**142**	**64**	**206**	50	50	50	0

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl. No	Date	Title	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Spon-soring Agency
							Others			SC/ST			Total			
							Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	**13-14.4.2013**	Irrigation management in field crops	Soil and water management	2	PF	2	50	0	50	10	0	10	**60**	**0**	60	DOA
2	**22-23.5.2013**	Value addition of fruit and vegetable	Processing and value addition	2	PF	2	40	3	43	6	2	8	**46**	**5**	51	NABARD
3	**8-9.10.2013**	Rain water harvesting technology	Soil and water management	3	RY	2	40	0	40	0	0	0	**40**	**0**	40	NABARD
4	**11.12.2013**	Seed spices production technology	Crop production	2	PF	2	40	0	40	5	0	5	**45**	**0**	45	NHM
5	**31.1.2014**	Cotton production technology	Cropping system	1	EF	1	25	0	25	0	0	0	**25**	**0**	25	ATMA
6	**13-14.2.2014**	Oilseed crop production technology	Cropping system	2	EF	1	30	0	30	10	0	10	**40**	**0**	40	ATMA
		Total		**12**		**10**	**225**	**3**	**228**	**31**	**2**	**33**	**256**	**5**	**261**	

3.4. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Field day	Fodder crop at village Mandli on 4.07.2013	**1**	**15**	**10**	**25**	**3**	**2**	**5**	**0**	**0**	**0**	**18**	**12**	30
2.	Field day	Sesame at village Chadwas on 11.10.2013	**1**	**20**	**5**	**25**	**5**	**0**	**5**	**0**	**0**	**0**	**25**	**5**	30
3.	Field day	Guar at village Navi Dhani on 14.10.2013	**1**	**30**	**0**	**30**	**0**	**0**	**0**	**0**	**0**	**0**	**30**	**0**	30
4.	Field day	Moong at village Jadan on 17.10.2013	**1**	**20**	**5**	**25**	**3**	**3**	**6**	**0**	**0**	**0**	**23**	**8**	36
5.	Field day	Guar at village Artia on 31.10.2013	**1**	**25**	**2**	**27**	**3**	**7**	**10**	**0**	**0**	**0**	**28**	**9**	37
6.	Field day	Barley at village Bimalia on 14.01.2014	**1**	**35**	**0**	**35**	**1**	**5**	**6**	**0**	**0**	**0**	**36**	**5**	41
7.	Field day	Gram at village	**1**	**30**	**0**	**30**	**6**	**0**	**6**	**0**	**0**	**0**	**36**	**0**	36

		Hemawas on 20.01.2014													
8.	Field day	Wheat at village Dayalpura on 22.01.2014	**1**	**35**	**0**	**35**	**4**	**0**	**4**	**0**	**0**	**0**	**39**	**0**	39
9.	Field day	Cumin at village Phulad on 23.01.2014	**1**	**20**	**0**	**20**	**20**	**5**	**25**	**0**	**0**	**0**	**40**	**5**	45
10.	Field day	Tomato at village Phulad on 25.01.2014	**1**	**20**	**0**	**20**	**5**	**0**	**5**	**0**	**0**	**0**	**25**	**0**	25
11.	Field day	Mustard at village Dholeria Sasan on 28.01.2014	**1**	**30**	**0**	**30**	**6**	**0**	**6**	**0**	**0**	**0**	**36**	**0**	36
12.	Field day	Mustard at village Kisan Nagar on 29.01.2014	**1**	**40**	**0**	**40**	**6**	**0**	**6**	**0**	**0**	**0**	**46**	**0**	46
13.	Field day	Gram at village Hemawas on 31.01.2014	**1**	**20**	**10**	**30**	**2**	**0**	**2**	**0**	**0**	**0**	**32**	**0**	32
14.	Field day	Wheat at village Sinla on	**1**	**30**	**0**	**30**	**5**	**0**	**5**	**0**	**0**	**0**	**35**	**0**	35

		31.01.2014													
15.	Field day	Barley at village Kharchio ki Dhani on 3.02.2014	**1**	**20**	**6**	**26**	**10**	**0**	**10**	**0**	**0**	**0**	**30**	**6**	36
16.	Field day	Cumin at village Rampura on 4.02.2014	**1**	**30**	**0**	**30**	**8**	**0**	**8**	**0**	**0**	**0**	**38**	**0**	38
17.	Field day	Mustard at village Kharda on 6.02.2014	**1**	**30**	**0**	**30**	**5**	**0**	**5**	**0**	**0**	**0**	**35**	**0**	35
18.	Field day	Cumin at village Bed Kala on 23.02.2014	**1**	**40**	**0**	**40**	**5**	**0**	**5**	**0**	**0**	**0**	**45**	**0**	45
	Total		**18**	**490**	**38**	**528**	**97**	**22**	**119**	**0**	**0**	**0**	**597**	**50**	**652**
19.	Kisan Mela		3	**2150**	**150**	**2300**	**750**	**150**	**900**	**10**	**2**	**12**	**2910**	**302**	**3212**
20.	Kisan Ghosthi		15	**315**	**90**	**405**	**10**	**0**	**10**	**0**	**0**	**0**	**325**	**90**	**415**
21.	Exhibition		1	**4900**	**3800**	**8700**	**2600**	**1100**	**3700**	**150**	**90**	**240**	**7650**	**4990**	**12640**
22.	Film Show		12	**150**	**50**	**200**	**90**	**60**	**150**	**0**	**0**	**0**	**240**	**110**	**350**
23.	Method Demonstrations		11	**90**	**10**	**100**	**75**	**27**	**102**	**0**	**0**	**0**	**165**	**37**	**202**
24.	Farmers Seminar		2	**60**	**5**	**65**	**11**	**0**	**11**			**0**	**71**	**5**	**60**
25.	Workshop		5			**0**			**0**			**0**	**0**	**0**	**0**
26.	Group meetings		12	**210**	**20**	**230**	**105**	**40**	**145**	**0**	**0**	**0**	**315**	**60**	**375**
27.	Lectures delivered as		75	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

	resource persons													
28.	Newspaper coverage		26	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
29.	Radio talks		6	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
30.	TV talks		3	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
31.	Popular articles		2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
32.	Extension Literature		8	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
33.	Advisory Services		1210	**800**	**50**	**850**	**290**	**70**	**360**	**0**	**0**	**0**	**1090**	**120**	**1210**
34.	Scientific visit to farmers field		5	**50**	**0**	**50**	**5**	**0**	**5**	**0**	**0**	**0**	**55**	**0**	**55**
35.	Farmers visit to KVK		45	**4500**	**430**	**4930**	**936**	**0**	**936**	**0**	**0**	**0**	**5436**	**430**	**5866**
36.	Diagnostic visits		20	**90**	**10**	**100**	**70**	**6**	**76**	**0**	**0**	**0**	**160**	**16**	**176**
37.	Exposure visits					**0**			**0**			**0**	**0**	**0**	**0**
38.	Ex-trainees Sammelan		2	**80**	**10**	**90**	**20**	**10**	**30**			**0**	**100**	**20**	**120**
39.	Soil health Camp		5	**190**	**15**	**205**	**130**	**16**	**146**	**0**	**0**	**0**	**320**	**31**	**351**
40.	Animal Health Camp		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
41.	Agri mobile clinic		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
42.	Soil test campaigns		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
43.	Farm Science Club Conveners meet		2	**30**	**0**	**30**	**25**	**0**	**25**	**0**	**0**	**0**	**55**	**0**	**55**
44.	Self Help Group Conveners		6	**0**	**30**	**30**	**0**	**60**	**60**	**0**	**0**	**0**	**0**	**90**	**90**

	meetings														
45.	Mahila Mandals Conveners meetings		2	**0**	**40**	**40**	**0**	**6**	**6**	**0**	**0**	**0**	**0**	**46**	**46**
46.	Celebration of important days (specify)	Musk melon day Tomato day CAZRI foundation Ber day	4	**90**	**15**	**105**	**20**	**15**	**35**	**0**	**0**	**0**	**110**	**30**	**140**
	Grand Total		**1500**	**14195**	**4763**	**18958**	**5241**	**1575**	**6816**	**160**	**92**	**252**	**19596**	**6430**	**26026**

Number of Technology weeks celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
5	Gosthies	5	250	Oilseed and pulse
	Lectures organised	18	350	Oilseed and pulse
	Exhibition	2	1300	Agriculture
	Film show	12	350	Agriculture
	Fair	0	0	-
	Farm Visit	12	612	Horticulture
	Diagnostic Practical	10	150	Balance diet of animals
	Distribution of Literature (No.)	25	190	Different aspects of agriculture
	Distribution of Seed (q)	0.9	-	Seed production
	Distribution of Planting materials (No.)	75	75	Planting material
	Bio Product distribution (Kg)	-	-	-
	Bio Fertilizers (q)	-	-	-
	Distribution of fingerlings	-	-	-
	Distribution of Livestock specimen (No.)	-	-	-
	Total number of farmers visited the technology week	10	375	-

Kisan Mobile Advisory

No. of Farmers registered: 200

Details of SMSs

Content Category	No. of Messages	No. of Farmers	Feed back of farmers if any
Crop Production	25	200	Farmers appreciated this services and feel motivated
Crop Protection	30	200	
Livestock & Fisheries Advisory	20	200	
Weather Advisory	5	200	
Market Information	10	200	
Events Information	15	200	
Input availability	30	200	
Others (specify)	35	200	
Total	170	200	

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	*Crop*	*Variety*	*Quantity (kg.)*	*Value (Rs.)*	*Provided to No. of Farmers*
OILSEEDS					
1.	Til	RT 346	800	65900	130
2.	Mustard	Urvashi	65	2545	10
OTHERS (Specify)					
1.	Saunf	RF 125	8	775	-
2.	Wheat	Raj 4083	80	520	10
3.	Barley	RD 2552	15	200	10
4.	Methi	RMt 305	400	10900	75
5.	Papaya fruit	Taiwan	400	8000	25
6.	Tomato	Pramukh	45	300	15
7.	Ajvain	AA 1	15	2500	10
8.	Ber	Gola	-	30100	-
9.	Pickle	-	60	5000	20
10.	Worms	*Assinia foetida*	10 Units	3750	10
11.	Vermi compost khad	-	8500	40600	40

SUMMARY

Sl. No.	*Major group/class*	*Quantity (kg)*	*Value (Rs.)*	*Provided to No. of Farmers*
1	OILSEEDS	865	68445	140
2	OTHERS	1023	58295	165
3	WORMS	10 Units	3750	10
4	Vermi compost khad	8500	40600	40
TOTAL		**10388 + 10 Units**	**171090**	**355**

PLANTING MATERIALS

Major group/class	*Crop*	*Variety*	*Quantity (Nos.)*	*Value (Rs.)*	*Provided to No. of Farmers*
FRUITS/OTHERS	Ber	Gola, Sev	150	3000	50
	Sejna	CO-1	500	5000	250
	Aloevera	NPBGR-1	150	1500	90
	Azolla	-	200	2000	50
	Banana	G 9	10	500	5
	Fig	Black Ishchia	1800	9000	350
	Gunda	Improved	210	4200	170

	Pomegranate	Sindura	200	4000	130
	Papita	Taiwan	350	7000	270
	Napier grass	-	2500	12500	230
	Other plants	-	50	2000	25

SUMMARY

Sl. No.	*Major group/class*	*Quantity (Nos.)*	*Value (Rs.)*	*Provided to No. of Farmers*
1	FRUITS/OTEHRS	**6120**	**50700**	**1620**
	TOTAL	**6120**	**50700**	**1620**

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	*Title*	*Authors name*
a. Abstracts		
	Awareness of farmers about modern information communication technology in Pali district in Rajasthan, XXXIII INCA International Congress on Integrated Decentralised Planning: Geospatial Thinking, ICT and Good Governance, 19-21 September, 2013, Pp : 205	Dheeraj Singh, M.L. Meena and M.K. Choudhary
	Managing sustainable agriculture practices in Western Rajasthan: A case study from Pali district, XXXIII INCA International Congress on Integrated Decentralised Planning: Geospatial Thinking, ICT and Good Governance, 19-21 September, 2013, Pp: 209	M.L. Meena, Dheeraj Singh and M.K. Choudhary
	Impact of E-choupal on knowledge of farmers about agriculture in Rajasthan, International Conference on Extension Education Strategies for Sustainable Agricultural Development- A Global Perspective, UAS, Banagalore, 5-8 December, 203, Pp: 209	M.L. Meena, Dheeraj Singh, M.K. Choudhary and P.K. Tomar
	Developing vocational skills for marginal and small farmers. 14th World Congress of International Association of Agriculture Information Specialist (IAALD), July 22-24, 2013, New York.	Dheeraj Singh, M.M. Roy
	Seed village programme: An innovative approach for small farmer. 14th World Congress of International Association of Agriculture	Dheeraj Singh, M.K. Choudhary, M.L. Meena, M.M. Roy

	Information Specialist (IAALD), July 22-24, 2013, New York.	
	Sustainable Agriculture: A Success Story of Small Farmer from Patherly, India. Agriculture, Food Engineering and Environmental Sciences: Sustainable Approaches, 29-30 March, 2013 at New Delhi	Dheeraj Singh, M.K. Choudhary, M.L. Meena, M.M. Roy
b. Paper		
	Socio-economic impact of drip irrigation technology in dryland farming of Rajasthan, Indian Journal of Dryland Agriculture Research and Development, Vol. 28(2): 80-83.	M.L. Meena and Dheeraj Singh
	Adoption level of sheep farming practices in arid zone of Rajasthan, India, Indian Journal of Animal Research, 2013 vol. 47: 397-401.	M.L. Meena and Dheeraj Singh
	Ethanoveterinary knowledge of Raikas of Marwar for nomadic pastoralism, Indian Journal of Traditional Knowledge, vol. 13(1): 123-131.	Dheeraj Singh, Subhash Kachhawaha, M.K. Choudhary, M.L. Meena and P.K. Tomar
	Farm woman participation in cumin production under arid conditions of Western Rajasthan, IJDARD, 2013 28(1): 101-103	Dheeraj Singh and M.L. Meena
c. Book chapters		
	Sustainable Farm: A Case Study of a Small Farm from Pali, India. In *Mechanism Design for Sustainability: Techniques and Cases*, Zongwei Luo (ed.), Springer,2013, Pp: 221-242.	Dheeraj Singh, M.K. Choudhary, M.L. Meena, S. Kachhawaha and P.K. Tomar
	Underutilized Fruits of Indian Arid Zone. *In Future Crops* Vol. 2, edited by K.V. Peter, Daya Publishing House, 2014, ISBN : 9789351242680, Pp: 51-83.	Dheeraj Singh, M.K. Chudhary, M.L. Meena and Hari Dayal
d. Popular articles		
	साज सज्जा के लिए मेहंदी की व्यावसायिक खेती, फल फूल (अगस्त 2013) : 30–33.	मोती लाल मीणा
	कुमट की व्यावसायिक खेती, खेती (अगस्त, 2013) : 2–4.	महेंद्र कुमार चौधरी, धीरज सिंह, मोती लाल मीणा, पी.के. तोमर
e. Poster		
	सूखे चारे को यूरिया घोल से उपचारित कर चारे की पौष्टिकता बढाना	
	काजरी की बहु पोषक तत्व आहार बट्टिका एवं मिश्रण	
	फसलों को हानि पहुंचाने वाले मुख्य कीट एवं रोकथाम	
	Success story of Sh. Chand Mohammad farmer	
	Success story of Sh. Deda Ram Patel farmer	
	Success story of Sh. Madan Lal Devra farmer	
	Poster on Barley species	
	Poster on Cumin species	
	कलिकायन द्वारा उन्नत फलदार पौधे तैयार करना	

	Seed production programme of vegetables under National Horticulture Mission	
	Poster on Ber rejuvenation	
	Poster on Kachra species	
	किसान भाईयों क्या आप पशुओं के कम दूध उत्पादन से चिंतित हैं ?	
f. Training manual		
	बीजीय मसाला फसलें : किसान की उन्नति का आधार। राष्ट्रीय बीजीय मसाला अनुसंधान केंद्र, तबीजी, अजमेर, 2013	गोपाल लाल, आर.एस. मेहता, आर.एस. मीणा, आर.के. सोलंकी, एन.के. मीणा, एस. पी. मेहरिया, एस.एम. मेहता, दयानन्द, धीरज सिंह, एम.के. चौधरी
	पौधशाला प्रबंधन	धीरज सिंह, महेन्द्र कुमार चौधरी, मोती लाल मीणा, ऐश्वर्य डूडी, लक्ष्मण प्रसाद बलाई

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Name : Sh. Raghu Ram
Village : Giradara
Education : 5th
Income before intervention : Rs. 8000-10000 per month
Income after intervention : Rs. 35000-45000 per month
Intervention : Processing and value addition of fruits
Motivation : KVK training, demonstrations
Impact : Income generate, socio -economic status and distribution of improved seed to other farmers.



Name : Sh. Sravan Singh Rathor
Village : Haziwas
Education : 10th
Income before intervention : Rs. 20000 – 25000 per month
Income after intervention : Rs. 50000 – 52000 per month
Intervention : Fruit, vegetables, goattery and dairy
Motivation : KVK Vocational training
Impact : Income generate, socio -economic status and distribution of improved seeds, planting material and animals



3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: NIL

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Seed storage	Seed storing earthen pot with ash to control of storage pest	Insect control
2.	Cumin	Foliar spray of neem based insecticide	Insect control
3.	Stomach ache in animals	To feed Tumba powder	Control of stomach ache
4.	Methi	Control of powdery mildew	Ash
5.	Cumin	Burning of crop residual at cumin field	Protection from frost
6.	Livestock	Wound of maggot	Crushed leaves of marua for control of maggot

3.10 Indicate the specific training need analysis tools/methodology followed

- Identification of courses for farmers/farm women
- Rural Youth
- In-service personnel

3.11 Field activities

i. Number of villages adopted : 15
ii. No. of farm families selected : 140
iii. No. of survey/PRA conducted : Village Kharda and Phulad

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	*No. of participants*	*% of adoption*	*Change in income (Rs.)*	
			Before (Rs./Unit)	*After (Rs./Unit)*
Multi-nutrient feed block/ Mixture preparation	35	61.30	Nil	6500 per month
Urea molasses	20	59.20	Nil	5200 per month
Vermi-composting unit	50	66.10	Nil	6000 per month

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption: NIL
(Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

Impact of training

Pre and Post evaluation of On-campus trainings

Title of Training	*No. of farmers*	*Knowledge level (%)*		*Know. Gain (%)*
		Pre	*Post*	
Improved agricultural implements technology	30	30.1	50.1	20
Adoption of fruits and vegetables production technology	40	26.1	54.35	28.25
Processing, packaging, storage and export of horticulture crops	50	33.15	60.1	26.95
Field crop production technology	45	40.4	66.33	25.93
Rain water harvest management	45	43.9	67.77	23.87
Production technology of fodder crops	40	37.15	53.09	15.94
Nursery management of flowers	40	36.12	64.99	28.87
Stitching of baby garments	22	20.1	48.5	28.4
Production technology of vegetables	50	40.13	50.15	10.02
Adoption technology of arid fruits	50	40.1	57.54	17.44
Propagation of fruit and vegetable in arid and semi arid regions	40	40.53	55.66	15.13
Weed management in rabi crops	40	42.1	70.85	28.75
Bandhej technique	20	30	46	16
Preservation and value addition of fruit and vegetables	40	27	65.35	38.35
Indigenous technology use in agriculture production	40	30.15	59.13	28.98
Modern information technology	45	25.9	60.22	34.32
IPM in seed spices	40	20.33	57.42	37.09
Cultivation practices of arid fruits and vegetables	35	27.12	58.1	30.98
Adoption of improved varieties of wheat and mustard crops	40	16.2	67.33	51.13
Indigenous technology used in livestock	35	15.3	70.60	55.3

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	*Nature of linkage*
• CAZRI, RRS, Pali	Collaborative training programme, OFT, delivering lectures, meeting and Kisan mela / field days etc
• ATMA	Collaborative training programme, demonstration, meeting and Kisan mela, field days, infrastructural development etc

• Dept of Agriculture	Participation in joint diagnostic survey, kisan melas, field days, farmers meeting, delivering lectures.
• NABARD	Implementation of recent scheme of Technology Transfer Clubs having basic philosophy of Self Help Groups
• Dept of Horticulture	Collaborative training programme, meeting and Kisan mela, field days etc.
• Dept of Soil Conservation	Joint course as per need is being conducted
• DRDA	Participation as technical expert in various training and developmental programmes and activities
• ICDS	Participation as technical expert in various women empowerment programmes and activities
• Nehru Yuva Kendra	Participation as technical expert in various rural youth development activities
• State Fisheries Department	Production technologies of improved fish farming
• State Forest Department	Improved nursery technology for arid fruits and ornamental plants
• AFRI	Collaboration for training programme and conservation of natural forest
• DWR	Collaboration for training programme and awareness for farmer right protection and recently released wheat varieties
• NRCSS	Collaboration for training programme and awareness for recently released seed spices varieties
• DRMR	Collaboration for training programme and awareness for recently released mustard varieties
• CSSRI	Collaboration for training programme and awareness for recently released saline resistant wheat and mustard varieties
• NHM	Collaboration for training programme, meetings, demonstrations and farmer school
• CIPMC	Collaboration for farmers' farm school and training programme
• ARS, SKRAU	New varieties of vegetables and wheat crops
• NAARM	Training programme of newly recruited scientists

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

S. No.	*Project Title*	*Fund (Rs.)*
	NHM	
	Model Nursery of medicinal plants at KVK farm	20,00,000.00
	NABARD	
	RIF project on panchkutta	7,70,000.00
	FIPF project on CAZRI pasture establishment technology	9,98,000.00
	Grand Total	**37,68,000.00**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No: Yes

S. No.	*Programme*	*Nature of linkage*	*Remarks*
1.	Training	Collaborative training programme and meeting etc.	-
2.	Farmers school	Training to farmers	-
3.	Demonstrations	Production technology	-

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	*Programme*	*Nature of linkage*	*Constraints if any*
1.	Training	Training of farmers	-
2.	Seed multiplication programme	Seed production	
3.	Seed grading unit	Improved seed for farmers	
4.	Fruit orchard development	Fruit production	
5.	Model Nursery	Development of model nursery	-

5.5 Nature of linkage with NABARD

S. No.	*Programme*	*Nature of linkage*	*Remarks*
1.	Rain water harvesting	Water conservation	-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	*Demo Unit*	*Year of estt.*	*Area*	*Details of production*			*Amount (Rs.)*		*Remarks*
				Variety	*Produce*	*Qty.*	*Cost of inputs*	*Gross income*	
1.	Ber	1998	0.7	Gola, Sev	Auctioned	98 plants	5500	30100	-
2.	Lemon	2004	0.5	Kagji Lime	Auctioned	80 plants	1200	4500	-
3.	Date palm	1998	0.5	Khadravi	-	55.5 kg	400	1100	-

6.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	*Date of sowing*	*Date of harvest*	*Area (ha)*	*Details of production*			*Amount (Rs.)*		*Remarks*
				Variety	*Type of Produce*	*Qty. (Kg) approx.*	*Cost of inputs*	*Gross income*	
Cereals									
Pulses									
Oilseeds									
Til	16.7.2013	25.10.2013	2.5	RT 346	Seed	200	6500	Not sold	-
Fibers									
Spices & Plantation crops									
Cumin	25.11.2013	-	1.0	GC-4	Seed	0	0	0	-
Saunf	24.11.2013	-	0.5	RF 125	Seed	-	1050	-	-
Methi	24.11.2013	20.3.2014	0.2	RMt 305	Seed	-	1500	Not sold	-
Mustard	15.10.2013	20.2.2014	0.2	Crop museum (18 var.)	Seed	80	1200	-	
Wheat	30.11.2013	25.3.2014	0.5	Crop museum (25 var.)	Seed	100	600	Not sold	
Ajvain	24.11.2013	31.3.2014	0.2	AA 1	Seed	50	500	Not sold	
Floriculture									
Fruits									
Vegetables									
Tomato	25.2.2014	-	0.1	Pramukh	Fruit	0	600	0	-
Others									
Aloe vera	-	-	0.2	NPBG-1	Plant	250 no.	1150	5500	-
Grass	-	-	10	Dhaman, Napier	Fodder	-	700	50000	-
Ber	-	-	0.5	Gola	Fruit	-	4500	30100	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	*Title of the training course*	*Client (PF/RY/EF)*	*No. of Courses*	*No. of Participants including SC/ST*			*No. of SC/ST Participants*		
				Male	*Female*	*Total*	*Male*	*Female*	*Total*
	Integrated water management technology/ Management of saline water in arid condition	PF	12	180	35	215	20	10	30

6.5 Utilization of hostel facilities

Accommodation available (No. of beds): 20 (3 dormitory capacity 8 each)

Months	Title of the training course/Purpose of stay	*No. of trainees stayed*	*Trainee days (days stayed)*	*Reasons for shortfall (if any)*
Apr.-13	Vermicompost technology	20	2	-
May-13	Training and pruning of ber plants	20	1	-
June-13	Summer ploughig	0	0	-
July-13	Rainwater harvesting technology	21	1	-
Aug.-13	Weed management in kharif crops	0	0	-
Sept.-13	Disease management in kharif crops	45	2	-
Oct.-13	Cultivation practices of rabi crops	23	1	-
Nov.-13	Seed treatment of seed spices	0	0	-
Dec.-13	Farm implements	0	0	-
Jan.-14	Drip irrigation in rabi crops	25	1	-
Feb.-14	Balance fertilizer of seed spices	0	0	-
March-14	Harvesting techniques of rabi crops	0	0	-
Total		**154**	**8**	

7.0 FINANCIAL PERFORMANCE

7.1 Utilization of KVK funds during the year 2012-13 and 2013-14 (upto 1st April 2014) (year-wise separately) (current year and previous year)

YEAR 2012-2013 (1.4.2012 – 31.3.2013)

S. No.	*Particulars*	*Sanctioned*	*Released*	*Expenditure*
A. Recurring Contingencies				
1	**Pay & Allowances**	6700000	6700000	6645196
2	**Traveling allowances**	100000	100000	59422
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	380000	380000	371000
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	570000	570000	559081
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
TOTAL (A)		**7750000**	**7750000**	**7634699**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**7750000**	**7750000**	**7634699**

YEAR 2013-2014 (1.4.2013 – 31.3.2014)

S. No.	*Particulars*	*Sanctioned*	*Released*	*Expenditure*
A. Recurring Contingencies				
1	**Pay & Allowances**	7250000	7250000	6698323
2	**Traveling allowances**	300000	300000	95751
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	440000	440000	439000
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	810000	810000	823129
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
TOTAL (A)		**8800000**	**8800000**	**8056203**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**8800000**	**8800000**	**8056203**

7.2 Status of revolving fund (Rs. in lakhs) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2011 to March 2012	39521	323276	280025	82904
April 2012 to March 2013	82904	266042	90497	258449
April 2013 to March 2014	258449	436500	-	447702*

* Final bills not adjusted with Headquarter.

8.0 PLEASE INCLUDE INFORMATION WHICH HAS NOT BEEN REFLECTED ABOVE (WRITE IN DETAIL).

8.1 Constraints

(a) Administrative

1. Post of administrative staff viz. **one Stenographer and two drivers are also vacant**.

(b) Financial : Nil

(c) Technical : **Lack of farm security** leads to unbearable losses making it difficult to utilize revolving fund remuneratively through seed and commercial crop production programmes

Annexures

District Profile - I

Include the details of

1. General census : **20,38,533**
2. Agricultural and allied census : **13,25,046**
3. Agro-climatic zones : **Transitional plain of Luni basin (Zone II b)**
4. Agro-ecosystems : **Western Dry Region (XIV)**
5. Major and micro-farming systems : **Crop+sheep and goat husbandry; Cattle+crop husbandry**
6. Major production systems like rice based (rice-rice, rice-green gram, etc.), cotton based, etc. : **Wheat-Mustard-Chickpea-Cumin-Fennel-Fenugreek-Green gram-Sesame-Sorghum**
7. Major agriculture and allied enterprises : **Animal husbandry, horticulture**

Agro-ecosystem Analysis of the focus/target area - II

Include

1. Names of villages, focus area, target area etc. : **Phulad, Kharda, Bhimalia, Kharchia ke Dhani, Hemawas, Haziwas, Kisan nagar, Bed kala**
2. Survey methods used (survey by questionnaire, PRA, RRA, etc.) : **PRA**
3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc. : **Questionnaire, village transect, social map, resource map, ranking, wealth diagram, seasonal calendar and Vann diagram**
4. Analysis and conclusions : **Assessment**
5. List of location specific problems and brief description of frequency and extent/ intensity/severity of each problem : **Low soil fertility, salinity effect, lack on input seeds**
6. Matrix ranking of problems : **Nil**
7. List of location specific thrust areas : **Low rainfall**
8. List of location specific technology needs for OFT and FLD : **Timely provide improved seeds.**
9. Matrix ranking of technologies : **Nil**
10. List of location specific training needs : **Fodder production, IPM in seed spices, soil fertility management, balance diet of cattle**

Technology Inventory and Activity Chart - III

Include

1. Names of research institutes, research stations, regional centres of NARS (SAU and ICAR) and other public and private bodies having relevance to location specific technology needs
2. Inventory of latest technology available *

Sl. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation
1.	GC 4	Cumin	2009	AAU, Anand	-

3. Activity Chart

Crop/Animal/ Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
Cumin	Low productivity of cumin under rainfed condition in sandy soil	1) Imbalance fertilizer application 2) Pest and disease	1. Application of recommend dose of fertilizer 2. Integrated Pest management control of aphid 3. Integrated disease management control of powdery mildew of cumin	1. Single component FLD to demonstrate effect of recommended dose of fertilizer 2. Training and FLD programme on integrated pest management and disease managment 3. OFT on management of wilt incumin	-

1. Details of each of the technology under Assessment, Refinement and demonstration Include

a. Detailed account on varietal/breed characters for each of the variety/breed selected for FLD and OFT

Improved seed and bio-fertilizer

b. Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under FLD and OFTs

Trichoderma 2.5gm/kg of seed to control of wilt in cumin; dieomethoat 30EC 2 ml per liter water spray on cumin crop to control of aphid