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ANNUAL PROGRESS REPORT
FROM
APRIL 2012 TO MARCH 2013



JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA
KRISHI VIGYAN KENDRA
MANDLA-481 661 (M.P.)

REPORTING PERIOD – April 2012 to March, 2013

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Mandla	OFTs	12	60	09	45	
Mandla	FLDs – Oilseeds (activity in ha)	5	12	1	12	
Mandla	FLDs – Pulses (activity in ha)	5	12	1	12	
Mandla	FLDs – Cotton (activity in ha)	0	0	0	0	
Mandla	FLDs – Other than Oilseed and pulse crops(activity in ha)	6	54	1	12	
Mandla	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	25	3	25	
Mandla	Training-Farmers and farm women	54	1350	55	1379	
Mandla	Training-Rural youths	5	100	4	89	
Mandla	Training- Extension functionaries	9	225	7	131	
Mandla	Extension Activities	22	4320	22	15640	
Mandla	Seed Production (Number of activity as seeds in quintal)	32	100	10.15	-	44500
Mandla	Planting material ((Number of activity as quantity of planting material in quintal)	5	11.5qt.	35000 (plants)	-	35000
Mandla	Seedling Production (Number of activity as number of seedlings in numbers)	3	15000	-	-	-
Mandla	Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Mandla	Other Bio- products (Biofertilizers, vermicompost, biofungicide)	-	-	12433 Packets	5000	282360
Mandla	Live stock products	-	-	-	-	0
Mandla	SAC Meeting (Date & no. of core/official members- 24.05.2012 and 06.10.12)	2	40	2	34	
Mandla	Newsletters (no.)	4	4000	4	4000	
Mandla	Publication (Research papers, popular article)	6	9000	4	8000	
Mandla	Convergence programmes / Sponsored programmes	-	-	1	32	-
Mandla	KVK-ATMA Linkage programme (Number of activities)	-	-	5	132	-
Mandla	Outreach of KVK in the District (No. of blocks, no. of villages) 9 , 1221	40 villages	950	44	4398	
Mandla	Soil sample tested	-	-			-
Mandla	Water sample tested	-	-			-
Mandla	KMA (No. of messages & beneficiaries)	-	-	48	1752	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Mandla	Programme Coordinator	Dr. H.S. Rai	Programme Coordinator	Ph.D.	Entomology	40240+9000	50720	02.08.06	Temporary	Gen.
Mandla	Subject Matter Specialist1	Dr. Neelu Vishwakarma	SMS	Ph.D.	Home Science	15600+6000	28080	24.01.07	Temporary	OBC
Mandla	Subject Matter Specialist2	Shri Vishal Meshram	SMS	M.Sc., NET	Agri. Extension	15600+6000	25050	31.1.07	Temporary	SC
Mandla	Subject Matter Specialist3	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist4	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist5	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist6	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Programme Assistant	Dr. Pramod Sharma	PA	M.V.Sc.	Animal Nutrition	10230+3600	9958	20.10.2011	Temporary	Gen
Mandla	Programme Assistant	Sri Vijay S. Suryavanshi	PA	M.Sc.	Agronomy	10230+3600	9958	14.10.2011	Temporary	OBC
Mandla	Computer Programmer	Smt. Reshma Jhariya	PA	M.Sc.	Computer	10230+3600	11218	29.03.08	Temporary	SC
Mandla	Accountant / superintendent	-	-	-	-	10230+3600	-	-	-	-
Mandla	Stenographer	-	-	-	-	5200-20200	-	-	-	-
Mandla	Driver	Shri Gajendra singh Dangi	Driver cum Mechanic	12 th	-	6400+1900	8550	7.7.08	Temporary	Others
Mandla	Driver	Shri Rajju Singh Rajput	Driver cum Mechanic	12 th	-	6400+1900	8550	8.7.08	Temporary	Others
Mandla	Supporting staff	-	-	-	-	4440-7440	-	-	-	-
Mandla	Supporting staff	-	-	-	-	4440-7440	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–
Agro climatic Zone –Northern hill of Chhatisgarh

Agro Ecological Situation	Characteristics	
AES-1	Block covered	09 (Mandla, Bichiya, Nainpur, Niwas, Narayanganj, Mawai, Beejadandi, Mohgaon, Ghughri)
	Topography	1. Undulating terrain results in excessive run off during heavy rainfall and moisture stress at later stages of crops growth. Also, excessive human pressure on land is causing denudation of forest which in-turn causes severe erosion problem 2. Soils are low to medium in N and medium in k They are deficient in Zn (some of the soils are extremely deficient) Some of the soils are extremely deficient in p due to high free iron oxide content This causes nutrient imbalance
	Soil	Light - Fertility-Very Less, Water Holding Capacity-Very 46% poor, Tillage –Easy, Humus content –Very low Medium - Fertility-Medium, Water Holding Capacity-Medium 32% Tillage –Moderate, Humus content- Medium Heavy - Fertility-More, Water Holding Capacity-High, Tillage 22% –Difficult, Humus-More
	Major Farming systems	1 – Upland Kodo-fallow Pigeon pea-fallow , Fallow-Niger 2 – Lowland Maize-fallow, Maize-Toria, Paddy-Wheat, Paddy-Gram/Lentil/Linseed Paddy-fallow Crop production, Animal husbandry, Fisheries, Poultry, and Sericulture
	Major crops	Kharif - Paddy, Maize, Pigeon Pea, Niger and Minor millets viz. Kodo-Kutki-Ragi, , , Rabi - Wheat, Gram, Mustard, Lentil and Linseed.

Land Use Pattern			
Particular	Area (ha)		
Geographical area	467150	Below poverty line	111534
Geographical area (Km ²)	8771	families	
Forest Area	80060		
Total cultivated area	243800 (52.8%)	Tahsil	04
Total fallow land	32200	Gram panchayat	472
Net sown area	194300	Janpad panchayat	09
Double Cropped area	66500	Krishi Upaj Mandi	03
Cropping Intensity (%)	106		
SOIL TYPE		Source of Irrigation & Irrigation-16%	
Light Soils (Skeletal)	112148 (46%)	Canal	19800
Medium Soils	78016 (32%)	Tube Well	11637
Heavy Soils	53636 (22%)	Open Well	2732
Farmers		Stop Dam	42
(a) Landless	60941	Others irrigation Tanks	4889
(b) Marginal	35521		
(c) Small	15091		

1. Major crops of the District and their Area production and productivity.

S. No	Crop	Area (ha)	Production(Qt.)	Yield (Kg/ha)
Kharif				
1	Paddy	116300	119400	1080
2	Minor millets	37400	9700	258
3	Maize	17800	15900	888
4	Niger	3400	2500	308
5	Sesamum	1600	4800	300
Rabi				
6	Peas	33500	5300	159

7	Lentil	30400	8300	272
8	Wheat	18100	17600	1012
9	Gram	16400	10100	617
10	Mustard	15600	13000	836
11	Linseed	4400	1100	260

Description	2011	2001
Total Population	1,053,522	894,236
Male	525,495	447,956
Female	528,027	446,280
Population Growth	17.81%	14.70%
Per cent of M. P. Population	1.45%	1.48%
Average Literacy (%)	68.28	59.61
Male Literacy (%)	79.49	73.72
Female Literacy (%)	57.20	45.49
Population of ST	-	451,193
Population of SC	-	37981
Population Description	Rural	Urban
Total Population	923,309	130,213
Population (%)	87.64 %	12.36 %
Male Population	459,392	66,103
Female Population	463,917	64,110

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Mandla	Piparpani	2008-09	Mandla	15 km	1120	422
	Bhapsatola			20 km	1300	480
	Patparsingarpur			22 km	612	205
	Lawer			20 km	678	198
	Silpuri			27 km	542	184
Mandla	Tuiyapani	2008-09 & 2010-11	Nainpur	45 km	738	280
	Khirkhiri			42 km	678	215
	Raiwada			49 km	455	189
	Sagoniya			39 km	1019	377
	Bandha			38 km	636	190
Mandla	Baja	2011-12	Mandla Bichhia	12km	1518	435
	Boriya			14km		
	Chougan			24km	550	203
	Jheena			26km	380	183
	Palhara			28km	396	166
Mandla	Premopur,	2012-13	Mandla	15	635	200
	Limarua,			17	900	350
	Tharka,			18	835	225
	Lafra			22	1000	450

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

KVK Name	THRUST AREA
Mandla	Availability of quality seed through seed production technology and Seed replacement.
Mandla	Crop diversification
Mandla	Rainwater and irrigation management
Mandla	Integrated nutrient management
Mandla	Integrated pest management
Mandla	Farm mechanization and drudgery reduction
Mandla	Increasing productivity of vegetables
Mandla	Integrated livestock management
Mandla	Development of rural entrepreneurship for income and employment generation like Bee Keeping and mushroom cultivation
Mandla	Nutritional security at household level and Development of nutritional garden
Mandla	Promotion of organic farming along with balanced nutrition.

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

KVK Name	Problem identified	Methods of problem identification
Mandla	Direct seeding.	PRA
Mandla	High weed infestation.	Group dissection
Mandla	Unavailability of quality seed.	Group dissection
Mandla	Poor adoption of agronomical practices and use of improved varieties.	PRA
Mandla	Lack of knowledge of integrated nutrient management.	Group dissection
Mandla	Imbalance use of fertilizer	PRA
Mandla	High infestation of yellow vein mosaic	Farmers visit
Mandla	Low yield of Maize due to stem borer 9. Indiscriminate use of chemical spray	Farmers visit
Mandla	Low yield of Gram due to pest complex	Farmers visit
Mandla	Poor knowledge & unawareness of value addition & processing.	Group dissection
Mandla	No use of improved implements.	PRA
Mandla	Lack of Knowledge and skill about improved Agril. Implements	Group dissection
Mandla	Poor income in backyard poultry	Group dissection
Mandla	Low income in Lac cultivation	Group dissection

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Mandla	Kharif 2012	Low yield due to use of local variety	Assessment	Varietal Evaluation	Paddy	Rainfed	5	5	Assessment of Paddy variety (MTU-1081)	23 qt	38.7 qt	13300	24570
Mandla	Kharif 2012	Unavailability of Green fodder in summer season	Assessment	Nutrition Management	Livestock	Rainfed	5	5	Assessment of performance of lactating cattle through supplementation of mineral mixture for 3 months after calving	2.37 lit. (Av. Milk yield) 263 kg (Body weight)	3.10 lit. (Av. Milk yield) 285 kg (Body weight)	47.4 (Rs./day/animal)	62.0 (Rs./day/animal)

Mandla	Kharif 2012	High drudgery of FW during hand Weeding of vegetable crop	Assessment	Drudgery reduction	Twin wheel hoe	Rainfed	5	5	Assessment of weeding implements (Twin wheel hoe) for Drudgery reduction	30 m ² /hour Area covered-.25h. Cost of Hand weeding-1386Rs./Acar Physiological stress a-Heart rate, 98 (beats/minute)	142 m ² /hour (150sq.meter area) Cost of Weeding-347Rs./Acar Physiological stress a-Heart rate, 125(beats/minute)	-	-
Mandla	Kharif 2012	Low income of farm women due to high mortality of vegetable seedling	Assessment	Income generation	Nursery Raising	Rainfed	5	5	Assessment of nursery management for Income generation of farm women Variety Chili - HybFireBrinjal-F1Hyb KanhaiyaTomato-H-24	Income Rs./unit 1020 Rs. /unit (100sq.meter area Mortality-70 %	Income Rs./unit 1450 Rs/unit (100sq.meter area) Raised Nursery beds-10cm Mortality-30%	850 Rs. /unit	1250 Rs./unit
Mandla	Rabi 2012-13	Low yield due to use of local variety	Assessment	Varietal Evaluation	Wheat JW-3173	Semi Irrigated	5	5	Assessment of Wheat Variety (JW-3173)	7.41	12.42	2715	9130
Mandla	Rabi 2012-13	Low yield due to use of local variety	Assessment	Varietal Evaluation	Gram JG-12	Rainfed	5	5	Assessment of Gram variety (JG-12)	3.66	8.36	4810	13860
Mandla	Rabi 2012-13	High mortality of Neo-nate Buffalo calf	Assessment	Disease Management	Livestock	-	5	5	Assessment of Efficacy of administration of Piperazine drugs on Parasites in Neo-nate Buffalo and cattle calf	40-45 % (mortality) 25.8 (Body weight)	0 % (mortality) 31.2 (Body weight)	-	-
Mandla	Rabi 2012-13	Low income of farm women due to no value addition	Assessment	Value addition	Mahua	-	5	5	Assessment of income enhancement through Value addition of Mahua(Toffee)	200 Rs/ 5kg	920 Rs./ 5kg	200Rs/ 5 kg	650 Rs. /5 kg
Mandla	Rabi 2012-13	Low income of farm women due to use indigenous variety of Marigold	Assessment	Income generation	Marigold production	Rainfed	5	5	Assessment of Marigold variety (African marigold) for income generation of farm women involve in marigold production	0.8 qt /(1000 sq.meter area)	3.87 qt. /(1000 sq.meter area)	-	-

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Mandla	Assessment of Paddy Variety (MTU-1081)	Yield q/ha.	23 qt	38.7 qt	1200	18000		25300	42570		24570	13300		2.1	2.4	
Mandla	Assessment of performance of lactating cattle through supplementation of mineral mixture for 3 months after calving	Av. Milk Yield Body wt.(Kg)	3.10 lit. 285 kg	2.37 lit. 263 kg	No use of mineral mixture	6.1 Rs./animal/day	-	47.4 (Rs./day/animal)	62.0 (Rs./day/animal)	-	47.4 (Rs./day/animal)	55.9 (Rs./day/animal)	-	1.0	2.39	-
Mandla	Assessment of weeding implements (Twin wheel hoe) for Drudgery reduction	Time/unit area (100sq.meter area) Physiological stress Heart rate (beats/minute)	142 m ² /hour (150sq.meter area) Cost of Weeding-347Rs./Acar Physiological stress Heart rate, 125 (beats/minute)	30 m ² /hour Area covered-.25h. Cost of Hand Weeding 1386Rs./Acar Physiological stress Heart rate, 98 (beats/minute)	-	-	-	-	-	-	-	-	-	-	-	-
Mandla	Assessment of nursery management for Income generation of farm women	Economic indicators Income Rs./unit	1450 Rs/unit (100sq.meter area) Economic indicators Income Rs./unit	1020 Rs./unit (100sq.meter area) Economic indicators Income Rs./unit	150	200	-	1450	1020	-	850 Rs./unit	1250 Rs./unit	-	6.8	7.25	-
Mandla	Assessment of Wheat variety (JW-3173)	Yield q/ha.	7.41	12.42	1115	18630		2715	9130		2715	9130		0.24	0.49	
Mandla	Assessment of Gram variety (JG-12)	Yield q/ha.	3.66	8.36	8000	15400		12810	29260		4810	13860		1.6	1.9	
Mandla	Assessment of	Mortality	0 %	40-45 %	No	8	-	No	No	-	-	-	-	NA	NA	-

	Efficacy of administration of Piperazine drugs on Parasites in Neo-nate Buffalo and cattle calf	Buffalo calf % Body wt. (Kg)	31.2	25.8	use of Medicine	Rs./Buffalo calf		use of Medicine	Mortality in Buffalo calf							
Mandla	Assessment of income enhancement through Value addition of Mahua(Toffee)	Economic indicators Income Rs./unit	920 Rs./ 5kg	200 Rs/ 5kg	200	650	-	200	920	-	144	270	-	1	3.4	-
Mandla	Assessment of variety (African marigold)of Marigold for income generation of farm women involve in marigold production	Economic indicators Yield Rs./unit	3.87 qt. /(1000 sq.meter area)	0.8 qt /(1000 sq.meter area)	180	410	-	800	3870	-	620	3460	-	4.4	9.4	-

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Mandla	Paddy variety found suitable for upland condition and was liked by the farmers due to its high yield potential.
Mandla	Use of mineral mixture increase production and body weight in lactating cattle
Mandla	Piperazine drug reduce the mortality in neo-nate buffalo calf
Mandla	The variety of Marigold found beneficial for Income generation.
Mandla	Variety found for more yield, suitable for limited irrigation, bold grain size in Wheat
Mandla	Variety found for more yield, suitable for limited irrigation, bold grain size in Gram

3. Achievements of Frontline Demonstrations

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

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Mandla	Paddy	Varietal Evaluation	Improved variety of Paddy(JRH-8)	Field visits, Field day, Kisan gosthi, trainings	6	29	14
Mandla	Soybean	IWM	Integrated Weed Management	Field visits, Kisan gosthi, trainings	5	37	18
Mandla	Pigeon pea	IPM	Integrated Pest Management	Field visits, Kisan gosthi, trainings	3	12	7
Mandla	Vegetable	Women in Agriculture	Nutritional Kitchen gardening	Field visits, trainings	12	32	8
Mandla	Hand operated double screen grain cleaner	Drudgery reduction	Drudgery reduction using by hand operated double screen grain cleaner	Demonstration, trainings	2	18	-
Mandla	Gram	Gram	Improved variety of Gram(JG-11)	Field visits, Field day, Kisan gosthi, trainings	3	25	8
Mandla	Wheat	Wheat	Improved variety of Wheat(JW-3211)	Field visits, Field day, Kisan gosthi, trainings	6	18	9
Mandla	Mustard	Mustard	Improved variety of Mustard(Pusa- Agrhani)	Field visits, Kisan gosthi, trainings	4	19	9
Mandla	Value Addition	Anola	Making of Trifla	Demonstration, trainings	2	30	-

Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Mandla	Varietal Evaluation	Paddy	Kharif- 2012	Improved variety of Paddy(JRH-5)	5 ha	Paddy(JRH -5)	42.9	25	41.72	0	0	12	0	12
Mandla	Drudgery reduction	Cono Weeder	Kharif (2012)	Cono Weeder for Drudgery reduction of farm Women during Weeding operation in paddy crop	1 ha.	Paddy crop	790 Rs./Acar Weeding cost	1586 Rs./Acar Weeding cost	Saving 50.1%	0	10	0	0	10
Mandla	Income generation	Mushroom	Kharif (2012)	Mushroom production for income generation of farm women	5 unit	Oyster Mushroom	16.2 kg/uni t	No Mushroom cultivation	-	0	4	1	0	5
Mandla	Varietal Evaluation	Mustard	Rabi (2012-13)	Improved variety of Mustard (Pusha Tarak)	5 ha	Mustard (Pusha Tarak)	9.74	5.49	43.61	0	11	1	0	12
Mandla	Varietal Evaluation	Gram	Rabi (2012-13)	Improved variety of Gram (JG-63)	5 ha	Gram (JG- 63)	15.97	9.25	42.07	0	0	12	0	12
Mandla	Drudgery reduction	Arhar	Rabi (2012-13)	Drudgery reduction and efficiency enhancement by using improved Dal milling implement in Arhar	1 ha.	Arhar	94 kg/ hour Operat ing cost 50Rs./ qtl	4 kg/hour Operating cost 400 Rs./qtl		0	7	3	0	10

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Mandla	Paddy	Improved variety of Paddy(JRH-5)	Yield/ha	42.9	25	18000	12000	46200	27500	28200	15500	3.85	1.5
Mandla	Cono Weeder	Cono Weeder for Drudgery reduction of farm Women during Weeding opration in paddy crop	Area covered Weeding cost Physiological stress, Heart rate (Beats/minute)	106 m ² / hour 790Rs/Acar 117	26 m ² / hour 1586Rs./Acar 98	-	-	-	-	-	-	-	-
Mandla	Mushroom	Mushroom production for income generation of farm women	Yield/unit	16.2 kg/unit	No Mushroom cultivation	380	-	1296	-	916	-	3.41	-
Mandla	Mustard	Improved variety of Mustard (Pusha Tarak)	Yield/ha	9.74	5.49	5000	3500	29212.5	16473	24212	12973	5.85	3.71
Mandla	Gram	Improved variety of Gram (JG-63)	Yield/ha	15.97	9.25	12000	8000	55895	32376	40495	24375	4.65	4.05
Mandla	Pigeon pea	Drudgery reduction and efficiency enhancement by using improved Dal milling implement in Pigeon pea	Milling efficiency Operating cost	94 kg/ hour Operating cost 50Rs./qtl	4 kg/hour Operating cost 400 Rs./qtl	6050	3100	6200	3500	6050	3100	1	1.12

***Market Selling Rate of Paddy 1100 Rs/Qt.**

3.4 Feedback of the Farmers

Name of KVK	Feedback
Mandla	The technology found beneficial due to bold seed & more yield in Paddy crop
Mandla	The technology should be beneficial for weeding of Paddy
Mandla	The mushroom Cultivation found beneficial for Income generation
Mandla	Pusa Tarak variety of Mustard found suitable for Rainfed/irrigated situation & more yield potential.
Mandla	The Gram variety JG-63 can be used in Rainfed/ irrigation situation in medium soil & Yield was good & less incidence of wilt
Mandla	Farmers liked the technology of Drudgery reduction using by improved Dal milling implement in Pigeon pea

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mandla	Paddy	Field days	1	26	-
		Farmers Training	7	156	-
		Media coverage	-	-	-
		Training for extension functionaries	1	11	-
Mandla	Mushroom	Field days	-	-	-
		Farmers Training	1	20	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Mandla	Mustard	Field days	-	-	-
		Farmers Training	1	22	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Mandla	Gram	Field days	-	-	-
		Farmers Training	4	134	-
		Media coverage	2	-	-
		Training for extension functionaries	3	71	-
Mandla	Pigeon pea	Field days	-	-	-
		Farmers Training	1	22	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Mandla	Farmers and FW	diagnostic field visit, group discussion, and exploratory survey etc.	28.06.12 Keharpur	17
Mandla	Farmers and FW	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.	31.08.12 Tikaria	41
Mandla	Rural youth	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.	6.11.12 (Beejadandi)	12
Mandla	Rural youth	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.	12.10.12 Tharka	68

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandla	FW	OFC	LPM	Enhancement of Nutritional requirement of Animal feed through Urea treatment of Wheat Straws	1	1	3	0	0	0	10	0	4	0
Mandla	FW	OFC	WOE	Gender mainstreaming through SHG,s for income generation by vegetables Nursery	1	1	4	0	2	1	3	6	3	3
Mandla	FW	OFC	CRP	Nutrient management of Paddy Crop	1	1	0	0	0	0	3	0	21	0
Mandla	FW	OFC	CRP	Production and application of Manure FYM green Manure	1	1	0	0	0	0	9	6	0	2
Mandla	FW	OFC	CRP	Cultivation technology of Kharif Crops	1	1	0	0	0	0	26	0	0	0
Mandla	FW	OFC	CRP	Cultivation technology & Pest management of Kharif Crops	1	1	0	0	0	3	38	0	0	0
Mandla	FW	OFC	CRP	Weed management of Paddy crop	1	1	0	0	0	0	2	0	25	0
Mandla	FW	OFC	LPM	Poultry rearing for income generation in Rural Area	1	1	0	0	0	0	8	0	9	0
Mandla	FW	OFC	HOV	Protected cultivation technologies for vegetables	1	1	3	0	16	0	9	0	0	0
Mandla	FW	OFC	CRP	Micro propagation technique of Sugar cane	1	1	1	0	0	0	3	0	18	0
Mandla	FW	OFC	LPM	Goat rearing for income general in rural areas	1	1	3	0	1	0	20	0	0	0
Mandla	FW	OFC	CRP	Production technology of Kharif Crops	1	1	0	0	0	0	19	4	4	0
Mandla	FW	OFC	CRP	Production technology of Rabi Crops	1	1	0	0	2	0	2	0	6	0
Mandla	FW	OFC	WOE	Household food security by Kitchen gardening	1	1	0	0	0	0	4	10	0	0
Mandla	FW	OFC	CRP	Integrated Nutrient management of Rabi crops	1	1	0	0	0	1	2	0	15	1
Mandla	FW	OFC	WOE	Value addition of Minor millets	1	1	0	0	0	0	0	7	0	2
Mandla	FW	OFC	CRP	Seed treatment technology for Rabi crops	1	1	0	0	0	0	2	1	8	4
Mandla	FW	OFC	CRP	Seed production technology for Rabi crops	1	1	0	0	0	0	0	0	13	0
Mandla	FW	OFC	CRP	Crop production technology for Rabi crops	1	1	0	0	1	0	0	0	12	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandla	FW	OFC	LPM	Disease management of in poultry	1	1	0	0	0	0	12	0	3	0
Mandla	FW	OFC	WOE	Drudgery reduction of Farm Women through agricultural improved tools	1	1	0	0	0	0	0	0	10	7
Mandla	FW	OFC	CRP	Crop production technology for Rabi crops	1	1	0	0	0	0	0	0	17	4
Mandla	FW	OFC	WOE	Development of supplementary food of child and pregnant women	1	1	0	0	0	0	0	0	1	24
Mandla	FW	OFC	CRP	Production technology of Chest nut cultivation	1	1	0	0	0	0	3	0	12	0
Mandla	FW	OFC	WOE	Processing technology of Chest nut	1	1	0	0	0	0	15	4	2	0
Mandla	FW	OFC	CRP	Production technology of Rabi crops	1	1	0	0	0	0	19	3	1	0
Mandla	FW	OFC	CRP	Cultivation technology of Pulse crops	1	1	0	0	0	0	10	2	1	1
Mandla	FW	OFC	WOE	Household food security through Kitchen Gardening	1	1	0	0	0	0	2	8	8	0
Mandla	FW	OFC	CRP	Integrated management of Rabi crops	1	1	0	0	0	0	26	2	7	0
Mandla	FW	OFC	LPM	Method of hygienic Milk production	1	1	0	0	0	0	26	0	4	0
Mandla	FW	OFC	CRP	Integrated nutrient management of Rabi crops	1	1	0	0	0	0	14	0	9	0
Mandla	FW	OFC	LPM	Techniques to reduce the mortality in buffalo calves	1	1	0	0	0	0	25	0	12	0
Mandla	FW	OFC	CRP	Improved technology of Rabi crops	1	1	0	0	0	0	24	0	3	0
Mandla	FW	OFC	LPM	Technology of Poultry management	1	1	0	0	0	0	38	0	3	0
Mandla	FW	OFC	CRP	Integrated weed management in Rabi Crops	1	1	0	0	0	0	56	0	3	0
Mandla	FW	OFC	LPM	Disease of Goats and its treatment	1	1	0	0	2	0	17	0	0	7
Mandla	FW	OFC	CRP	Seed production technology of Rabi crops	1	1	0	0	0	0	24	3	2	0
Mandla	FW	OFC	CRP	Integrated Pest management in Rabi crops	1	1	0	0	0	0	31	0	14	0
Mandla	FW	OFC	CRP	Integrated Weed management in Rabi crops	1	1	0	0	0	0	21	0	0	0
Mandla	FW	OFC	WOE	Development of low cost of nutritional diet	1	1	0	0	0	0	0	0	0	25
Mandla	FW	OFC	WOE	Household food security by Kitchen gardening	1	1	0	0	0	2	0	6	0	21
Mandla	FW	OFC	CRP	Crop protection during climate changing	1	1	0	0	2	0	23	5	3	20
Mandla	FW	OFC	WOE	Design and development of low/minimum cost diet from local food material	1	1	0	4	0	2	0	4	0	16
Mandla	FW	OFC	WOE	Household food security by Kitchen gardening	1	1	0	1	0	0	0	30	0	3
Mandla	FW	OFC	CRP	Production technology of wheat	1	1	0	0	0	0	2	4	5	11

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandla	FW	OFC	HOV	Production technology of Horticultural crop	1	1	1	0	2	0	2	0	20	0
Mandla	FW	OFC	HOV	Production technology of vegetable crops	1	1	0	0	2	0	5	0	18	0
Mandla	FW	OFC	CRP	Production technology of Arhar	1	1	0	0	0	0	0	18	0	0
Mandla	FW	OFC	CRP	Production technology of Urd	1	1	0	0	0	0	0	14	0	0
Mandla	FW	ONC	CRP	Seed production technique of hybrid Paddy	1	1	2	0	3	3	22	0	4	1
Mandla	FW	ONC	CRP	Grain storage technology	1	1	0	0	0	0	26	6	0	0
Mandla	FW	ONC	CRP	Production technology of Oilseed and Pulses	1	1	0	0	0	0	22	0	0	0
Mandla	FW	ONC	CRP	Production technology of Rabi crops	1	1	0	0	4	0	44	0	2	0
Mandla	FW	ONC	CRP	Production technology of Rabi crops	1	1	0	0	0	0	15	0	0	0
Mandla	FW	ONC	CRP	Integrated nutrient management of Jayad crop	1	1	0	0	0	0	24	3	0	0
Mandla	In Service	In Service	CRP	Nursery management in Paddy	1	1	4	0	1	0	2	0	4	0
Mandla	In Service	In Service	HOV	Rejuvenation of old orchards	1	1	1	0	0	0	13	0	3	0
Mandla	In Service	In Service	HOV	Nursery management in Vegetable crops	1	1	1	0	1	0	8	0	5	0
Mandla	In Service	In Service	CRP	Integrated nutrient management of Rabi crops	1	1	3	2	0	0	19	0	6	0
Mandla	In Service	In Service	CRP	Weed management of Rabi crops	1	1	3	0	0	0	20	0	4	0
Mandla	In Service	In Service	CRP	Crop production techniques of Rabi crops	1	1	2	0	0	0	7	0	7	0
Mandla	In Service	In Service	WOE	Role of Micronutrient of growing child	1	1	3	0	2	0	10	0	0	0
Mandla	RY	Vocational	WOE	Mushroom cultivation for income generation of farm women	1	5	0	0	1	0	8	9	1	1
Mandla	RY	Vocational	WOE	Bag making for income generation by old cloths	1	5	0	0	0	0	0	15	0	6
Mandla	RY	Vocational	WOE	Fruit and vegetable preservation technology	1	2	0	0	0	0	0	14	0	2
Mandla	RY	Vocational	CRP	Cultivation technology of Oilseed and pulses	1	11	0	0	5	0	24	0	4	0

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Mandla	Mushroom cultivation for income generation of farm women	Mushroom	Income generation	5	1	0	8	9	1	1
Mandla	Bag making for income generation by old cloths	Beg making	Income generation	5	0	0	0	15	0	6
Mandla	Fruit and vegetable preservation technology	Fruit and vegetable preservation	Income generation	2	0	0	0	14	0	2
Mandla	Cultivation technology of Oilseed and pulses	Oilseed and pulses	CRP	11	5	0	24	0	4	0

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Mandla					
Mandla					
Mandla					

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Mandla	Cultivation technology of Oilseed and pulses	Crop production	CRP	RY	11	01	4	0	5	0	24	0	M P Council for Vocational Education & Training, Gas Relief ITI Building, Govindpura, Bhopal - 462023	-

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members: NIL

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Mandla														
Mandla														

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Mandla	Cultivation Technology of Paddy	167	13	35	6-7	12-15	5000-6000	9000-12000	1. 35000 ha. area covered 2. 30000 Farmers 3. 35 % change in income
Mandla	Cultivation technology on oilseeds	23	5	10	1.5-2.0	3.5-50	800-1000	2000-2500	1. 800 2. 80
Mandla	Cultivation Technology of Pulse Crop	24	6-7	15-20	8-9	14-15	4000-4500	12000-13000	
Mandla	Seed production technology of Kharif crop	32	3-4	6-7	-	1.5-2	-	37500	1. 10-15 2. 25-37 3. -
Mandla	Resource conservation technologies in Kharif crops	72	5	8	-	-	-	-	-
Mandla	Weed management in Kharif Crop	91	4-5	6-7	32	42	32000	42000	1. 40 2. 100-120 3. 31.25
Mandla	Rejuvenation of old orchards	36	1	3-4	-	-	-	-	-
Mandla	Plant propagation techniques	25	3-4	7-8	28	46	28000	46000	1. 45 2. 110-125 3. 64
Mandla	Nursery Management of Kharif Crops	17	2-3	6-8	30	51	30000	51000	1. 40-45 2. 120-130 3. 3.70
Mandla	IDM in Kharif	53	3-4	7-9	28	44	28000	44000	1. 40-50 2. 120-130 3. 57.13
Mandla	IPM of Kharif Crops	61	4	15	32	42	32050	42000	1. 42-50 2. 125-130 3. 31.25
Mandla	IPM of Kharif Crops	21	5	15	32	44	32000	42000	1. 40-50 2. 125-130 3. 31.25

Mandla	INM in Kharif crops	18	2	17	28	52	28000	52000	1. 40-45 2. 125-135 3. 85.71
Mandla	Gender Mainstreaming through SHG	17	6	11	-	-	-	-	-
Mandla	Income generation through grading & packaging.	29	2	8	-	-	-	-	-
Mandla	Storage technique of Grains at house hold level	31	2	15	-	-	-	-	-
Mandla	Water purification technique in rural areas	22	2	20	-	-	-	-	-
Mandla	Household security by kitchen garden	35	8	20	-	-	-	-	-
Mandla	Low calories nutrient food	24	1	8	-	-	-	-	-
Mandla	Income generation through mushroom cultivation	23	2	15	0.1	0.9	5000	9000	1. - 2. - 3. 1.80

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Mandla	Field Day	6	2	27	0	34	3	0	0	FLD	Paddy (JRH-5) Black Gram	Harves ting
Mandla	Kisan Mela	2	3	403	21	2086	477	16	06	Kharif &Rabi Season	Cultivation technology of Kharif crops, Cultivation technology of Rabi crops, Potato cultivation techniques	-
Mandla	Kisan Ghosthi	4	2	336	38	1337	298	13	04	Paddy- Kharif, Gram- Rabi	Under-TSP Project& DBT	Harves ting
Mandla	Exhibition	2	3	347	18	1852	704	17	03			
Mandla	Film Show	4	7	37	19	87	31	3	1	Trainings and visits	SRI-Method, Poultry, Soy Processing	
Mandla	Method Demonstrations	4	4	5	9	38	38	-	-		Soy Processing	
Mandla	Farmers Seminar	0	0	0	0	0	0	0	0			
Mandla	Workshop	0	0	0	0	0	0	0	0			
Mandla	Group meetings	12	5	35	29	30	5	0	0	Trainings and SHG's group meeting	Crop production, Chestnut processing & Mall -nutrient ion	
Mandla	Lectures delivered as resource persons	14	9	-	-	-	-	-	-	Kharif &Rabi Season	Cultivation technology of Kharif crops, Cultivation technology of Rabi crops, Potato cultivation techniques	All stages
Mandla	Newspaper coverage	40	10	-	-	-	-	-	-	-		
Mandla	Radio talks	8	2	-	-	-	-	-	-	-		
Mandla	TV talks	4		-	-	-	-	-	-	-		

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Mandla	Popular articles	20	9	-	-	-	-	-	-			
Mandla	Extension Literature	8	6	-	-	-	-	-	-			
Mandla	Farm advisory Services	60	80	309	39	503	232	7	2			
Mandla	Scientific visit to farmers field	20	57	142	28	442	40	10	3			
Mandla	Farmers visit to KVK	8	42	647	56	1786	253	-	-			
Mandla	Diagnostic visits	2	3	10	5	38	7	4	1			
Mandla	Exposure visits	0	-	-	-	-	-	-	-			
Mandla	Ex-trainees Sammelan	1	0	0	0	0	0	0	0			
Mandla	Soil health Camp	2	-	-	-	-	-	-	-			
Mandla	Animal Health Camp	3	2	27	0	24	0	0	0	Vaccination and health checkup		
Mandla	Agri mobile clinic	1	-	-	-	-	-	-	-			
Mandla	Soil test campaigns	1	-	-	-	-	-	-	-			
Mandla	Farm Science Club conveners meet	2	-	-	-	-	-	-	-			
Mandla	Self Help Group conveners meetings	2	-	-	-	-	-	-	-			
Mandla	Mahila Mandals conveners meetings	-	3	-	18	-	32	-	-	SHG's Formation	Income generation and marketing of local food material	Miner millets
Mandla	Celebration of important days (Parthenium Weak & world food day)	-	2	12	03	27	06	2	-			

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

7.1 KVK Newsletters (Jawahar Krishi Sandesh)

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Mandla	April 2012	Three month	1000	1000
Mandla	July 2012	Three month	1000	1000
Mandla	October 2012	Three month	1000	1000
Mandla	January 2013	Three month	1000	1000

7.2 Literature developed/publication

KVK Name	Type	Title	Author's name	Number of copies
Mandla	18-03.2013	सब्जियों की पौध तैयार करने की तकनीक ।	Dr. H.S. Rai	2000
Mandla	18-03.2013	जवाहर जैव उर्वरक- नील हरित शैवाल " खाद एक लाभ अनेक" Til Utpadan Takniki	Dr. H.S. Rai	2000
Mandla	18-03.2013	जवाहर राइजोबियम जैव उर्वरक अपनाये दलहनी फसलों की पैदावार बढ़ायें ।	Dr. H.S. Rai	2000
Mandla	18-03.2013	स्फुर घोलिय जैव उर्वरक (पी.एस.बी.) कल्चर से स्फुर की बचत कीजिये ।	Dr. H.S. Rai	2000

7.3 Details of Electronic Media Produced:

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Mandla	Audio CD	Kishan Mela for Potato cultivation	1
Mandla			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Mandla	Cereals	Ragi	GPU-48	SD	3.90	Qtl.	19500	-
Mandla	Pulses	-	-	-	-	-	-	-
Mandla	Oilseeds	Linseed	JLS-27	SD	6.25	Qtl	25000	-
Mandla	Fruits							-

8.2 Planting Material production:

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

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income (Rs.)	
Mandla	BIOFERTILIZERS				Purchased from JNKVV, Jabalpur and sold by KVK
Mandla	Azotobactor	1755 packets		35100	
Mandla	Rhizobium (Gram)	2959 Packets		59180	
Mandla	Rhizobium (Pea)	979 Packets		19580	
Mandla	PSB	4536 Packets		113400	
Mandla	BIO PESTICIDES (Trichoderma)	2204 Packets		55100	

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Mandla	Cattle						
Mandla	Buffalo						
Mandla	Sheep and Goat	Jamunapari (Goat)	Kids Bulks Does	11 13 18	Female- 2200/- Male- 3500/-		Yet to sell (Note sheet send to DES, JNKVV, Jabalpur for approval)
Mandla	Poultry						
Mandla	Fisheries						
Mandla	Others (Specify)						

9. Activities of Soil and Water Testing Laboratory: NA

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

Year of establishment : -

9.1 Details of soil & water samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Mandla	Sample analysis in department of agriculture lab	51	51	5	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Mandla	-	-	-	-	-	-	-	-	-	-

11. Utilization of Farmers Hostel facilities: Yes

Accommodation available (No. of beds) : *As a use of office building and training purpose*

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Mandla							

12. Utilization of Staff Quarters facilities: NA

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

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mandla	24.05.2012	13	Short duration variety introduces through demonstration of Paddy, Niger and Maize crop Should be increase no. of members of KMA Collection and Nursery develop on mother plants of Mango variety <i>Totapari, and Baigan Palli</i> .
Mandla	06.10.12	21	1. Soil testing facilities should be available in KVK, Mandla 2. Front line demonstration must be conducted in improve breed of Poultry bird. 3. Small size Demonstration Unit should be constructed and training organized of Fisheries by KVK. 4. Intercropping of Horticulture crop like turmeric, ginger etc. 5. Medium duration and early maturity of Wheat and Maize variety. 6. KMS service provided by KVK, Mandla increase members more than two thousand. 7. Demonstration should be organized at farmers field for improve variety of Gram 8. Organized Animal health health and vaccination camp

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Mandla	48	1752	70	Should be increase no. of members of KMA and covered all blocks of the district

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Mandla	ATMA	Central		State level Kishan Mela-1/Part. 3523, Interface-2/ Part. 50, Kishan Gosthi-11/ Part.1440, FLD-125/Part. 125, Trainings, Field visit	Niwas, Nainpur, Mandla, Bichia, Narayanganj	Technical Advice and on programme
Mandla	MNREGA	Central		Farm development	KVK Farm	
Mandla	NHM					
Mandla	RKVY					
Mandla	DRDA					
Mandla	Zila Panchyat					
Mandla	Seed village					
Mandla	NAIP					
Mandla	Climate Change					
Mandla	Others (Plz. Specify) 1. DBT	Central	-	Trainings, demonstrations, Sangosthi, Kisan mela	Jheena, Palehra, Chaugan	
	2. RAWE	JNKVV, Jabalpur	-	Rural work experience		
	3. TSP Agro Forestry	IIPR, Kanpur (Central)	120000	-		

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Mandla	20031	100000	136306	136306

17. Awards & Recognitions: NII

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Mandla				

18. PREMLAL SANGOUR – A Pioneer of Integrated Farming System

Best Progressive Farmer – KVK MANDLA

Premlal Sangour
Village Boriya
City-Mandla,
State-Madhya Pradesh



Premlal sangour, a farmer by profession was born on ,1964 at Boriya village, Tehsil Mandla, District Mandla (M.P.).He got his BA(art) education from his own village. His academic career was good and intelligent in reading, but due to poverty he could not get higher education. When he was therty five years old he had to take responsibility of family and started cultivation on 3.2 ha. irrigated land, in his family there are Six family members. Being the eldest, he had to take on the responsibility of his family.

In his 35 years experience of cultivation, he has expent only three years in adopting improved production technology, but in a very little time, he got tremendous change in his livelihood. In 2007-08, he introduced himself to the scientists of Krishi Vigyan Kendra Mandla. He asked question to the KVK scientists for increasing the production of Paddy using low cost input technology. Looking to the need, KVK scientists asked him for gathering of cultivators of his own Boriya village to get training on system of Rice Intensification KVK Mandla organized training and cultivators of the village got training on SRI and out of which 6 farmers were ready to adopt SRI on their fields.

He is the first in the district who are adopting the integrated farming system even after he bears a very less land (3.2 ha. irrigated land), further he is the first ever in the district who adopted system of Rice intensification and got record production (75 q/ha. variety PS-5, MTU-1010). Some of the problems that Premlal faced during the adoption of SRI were his own family members and villagers. They didn't want to do as practices of SRI were told because their traditional method of transplanting was 21 days old seedlings 100 kg seed rate per ha. without seed treatment not good prepared Nursery, closer spacing and submerged condition of fields. When he told about the SRI to the family members, they threatened him for not reaching the fields. In spite of these problems, he decided to go with scientist and adopted the SRI first ever in the district. He prepared good raised bed Nursery size 2m x 10m, 5 kg seed per ha. treating with fungicide & insecticide, mixing of vermicompost, 10 days old seed-lings were transplanted at spacing 25cm x 25cm, irrigated the fields when required, timely controlled of the weeds by weedicide & manually and applied insecticide and fungicide when required. Finally he got record production of PS-5 (75 q/ha.) as he used to get only 20 q/ha by traditional method. Family members were very happy to see the higher production.

After three years now he has become a progressive farmer. He has prepared a NADEP pit and Biogas plant with the help of Agriculture Department. Further using biogas plant he is lightening his house, consuming gas for cooking. There are 5 Mango fruit plants on the bunds of his fields. He is taking lac production on Mango fruit plants and Banana getting income Rs. 10000 per annum. At present he has two cows, two bullocks, 4 goats, 6 hens, a small kitchen garden, some fruit plants, some improved tools, sprinkler etc.

He is a winner of best of progressive farmer of Mandla district. He is adopting improved varieties and hybrids of Paddy i.e. MTU-1010, PS-3 and Wheat crop variety JW-3211. In his uncultivable land he has transplanted 200 plants of Aonla and Guava.

2. Shri Ramesh Tiwari – A Pioneer of Vegetable Farming System

Name -Shri Ramesh Tiwari

Village -Paijwara

City -Mandla,

State -Madhya Pradesh



Ramesh Tiwari a young farmer of Paijwara village, Mandla district, practiced conventional farming in Highbred vegetable crops like Capsicum & Tomato in the medium sandy loam soil. Last year he visited Singarpur vegetable farm at Mohgoun Block, Mandla district and make a lesson our self. He visited in a progressive farmer in Singarpur vegetable farm at Mohgoun Block, of district and approached vegetables farming with help of KVK. He was visited to KVK concern with scientist for growing highbred vegetable and marketing linkage. He approached to KVK time to time for further advise . He planned to cultivate Capsicum and Tomato. Then, he prepared his land under the supervision of scientists of Krishi Vigyan Kenrda follow making of bed in *Israeli* technology. He started the cultivation of Capsicum variety (Sinzenta Indra) & Tomato variety (Laxami,US-1080) in his own field in an area of 31 Acar. He ploughed the lands four times and applied NPK 100:50:50 Through DAP , Zinc sulphate , potash and fYM @ 200 qt./ ha as a basal dose. Then he formed raised beds of 75 cm with at an interval of 60 cm for sowing and placed the laterals on the centre of each row at the rate one drip pipe. The beds are wetted through drip irrigation. Then capsicum & Tomato sowing was done in the month of 5th August and 11th August. Balance remain fertilizer dose are gave through drip system. He also planted the two lines in one bed. He sprayed Glicell weedicide. he transplanted seedlings in between the plant to plant spacing of 30 cm .He applied 5kg Calcium nitrate and Ammonium sulphate at five days interval by fertigation method throughout the cropping period.

He irrigated the field daily as per the need of the soil. He sprayed fungicide like Amidaclopid and Dithane 45 @ 2ml /lit of water on 20 days after sowing for the control of leaf spots. He sprayed Melathian pesticide @ 2ml /lit to crop on 30th day after sowing for controlling thrips. He harvested the crop in 3-4 month of after sowing, 275 days after sowing. He earned 1.25/ acar of Capsicum and 1.10/acar He sold local market Rs.7-8/kg. of season and Rs.15-20/kg.

He got high yield and quality farm produce by using sufficient water and fertilizers. Particularly vegetable fetched high price in markets of summer season. Agent and costumers came to field to take the produce directly. He spent Rs. 1.25/ acar of Capsicum and 1.10/acar of Tomato for cultivation practices. Ramesh is one of the happiest farmer in the region. He is enjoying precision farming with his family.

19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Mandla	Crop Cafeteria	<p>Kharif</p> <p>Paddy PS-1,PS-5, Tarori Basmati, IR-64, IR-36, JR -201, Mahamaya, JRH-8, JRH-5 MTU-1010, MTU 1081, Bamleshwari, Shamleshwari,, GWL-32100</p> <p>Soybean JS-9752, JS-9560, JS-335</p> <p>Green Gram – Ganga-8, JM- 721, TN-99-37, Samrat</p> <p>Black Gram PDU-4, LBG-20, T-9, PU-35</p> <p>Niger – JNC-1, JNC-9</p> <p>Maize- HQPM-1, JM-216, Sweet corn, Pop Corn</p> <p>Rabi</p> <p>Finger millet JK-39, JK-439,</p> <p>Wheat-HI-8498, GW-273, JW -2004, JW -3163, JW-3020, JW-3269,JW -3211, JW-17, Sujata,</p> <p>Gram – JG-226, JG-218, JG-130,JG-315,JG-11, JG-74,JGK-3, JGG-1, JG-12, JG-14</p> <p>Line seed JL-27, JL-9, Mustered- JM-2,Pusa –Agrani.</p>
Mandla	Technology Desk	
Mandla	Visitors Gallery	
Mandla	Technology Exhibition	Vermicompost, Goatery, Micro irrigation system, BGA production
Mandla	Technology Gate-Valve	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Mandla	Shri Virendra Sing Rana, Board Member, JNKVV, Jabalpur	06/05/2012	
Mandla	Hon'ble Vice chancellor , JNKVV, Jabalpur	16-17/09/2012	-
Mandla	DES, JNKVV, Jabalpur	16-17/09/2012	
Mandla	DRS, JNKVV, Jabalpur	16-17/09/2012	
Mandla	Dr.A.P.Dwivedi, Sr. Scientist (Agronomy), ZPD Zone VII, ICAR, New Delhi	8-9/12/2012	

21. Status of KVK Website: Available (www.kvkmandlazpdvii.org)

22. E-CONNECTIVITY: NA

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Mandla							

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Mandla	Gosthies			
Mandla	Lectures organized	3	56	Parthenium Week
Mandla	Exhibition			
Mandla	Film show	1	18	Parthenium Week
Mandla	Fair			
Mandla	Farm Visit	3	56	Parthenium Week
Mandla	Diagnostic Practical's			
Mandla	Distribution of Literature (No.)	3	56	Parthenium Week
Mandla	Distribution of Seed (q)			
Mandla	Distribution of Planting materials (No.)			
Mandla	Bio Product distribution (Kg)			
Mandla	Bio Fertilizers (q)			
Mandla	Distribution of fingerlings (No)			
Mandla	Distribution of Livestock specimen (No.)			
Mandla	Total number of farmers visited the technology week	3	56	Parthenium Week

24. INTERVENTIONS ON DROUGHT MITIGATION

(a) Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Mandla	Paddy- PS-3	100	250
Mandla	Wheat JW-3173	0.2	5

(b) Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Mandla	Oilseeds (Mustard- Pusa Tarak)	5	12
Mandla	Pulses (Gram JG-63, JAKI 9218 & JG-12)	45.2	117
Mandla	Cereals (Wheat-3173)	0.2	5
Mandla	Vegetable crops		
Mandla	Tuber crops		
Mandla	Fruits		
Mandla	Spices		
Mandla	Cotton		
Mandla	Total		

(c) Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Mandla	Dairy Management	8	271
Mandla	Disease management	6	108
Mandla	Feed and fodder technology	5	135
Mandla	Poultry management	7	221
Mandla	Goat management	8	240

(d) Animal health camps organised

Name of KVK	Number of camps	No. of animals	No. of farmers
Mandla	2	51	43
Mandla			

(e) Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Mandla				
Mandla				
Mandla				

(f) Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Mandla				

(g) Bio-control Agents

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

(h) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mandla	Azotobactor	1755 packets	702	1023
Mandla	Rhizobium(Gram)	2959 Packets	1183.6	1365
Mandla	Rhizobium (Pea)	979 Packets	391.6	391
Mandla	PSB	4536 Packets	1814.4	1689
Mandla	Trichoderma	2204 Packets	881.6	532

(i) Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Mandla	-	-	-	-
Mandla				

(j) Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and list of resource conservation technologies introduced	Area (ha)	Number of farmers
Mandla	JRH-4, JR-201, IR-64, MTU-1010, ICPH -2671, JW-3020, JW-3211, JRH-5, JR-201, JAKI- 9218, Pusa Arhani, JLS-27	278	521
Mandla			

(k) Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Mandla	66	2214	2	2026	2	64	9	3019	10	2941	7	178

25. **Status of KVK Website:** Already having website/under construction
If available, please provide the address of website: www.kvkmandlazpdvii.org