

**ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE****PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2013-14****1. General information about the Krishi Vigyan Kendra**

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, Social Change and Development(SCAD) Vagaikulam, Mudivaithanendal Post Thoothukudi 628102 Phone and Fax: 0461-2269306 Email: scad_kvk@yahoo.co.in pcscadkvk@gmail.com Website: www.scadkvk.org
1.2	Name and address of host organization	:	Social Change And Development Bye Pass Road, Vannarapettai Tirunelveli 0462-2501008, 0462-2501007(Fax) scb_scad@yahoo.com
1.3	Year of sanction	:	1995
1.4	Website address of KVK and date of last update	:	www.scadkvkthoothukudi.org 12.2.13

**2. Details of staff as on date**

Sl.No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1	Programme Coordinator	Vacant					
2.2	Subject Matter Specialist	Dr. V.Srinivasan	Animal science	15600-39100	5400	8.7.99	P
2.3	Subject Matter Specialist	S. Sumathi	Home science	15600-39100	5400	1.12.2000	P
2.4	Subject Matter Specialist	P.Velmurugan	Horticulture	15600-39100	5400	30.1.01	P
2.5	Subject Matter Specialist	M.Ashok	Plant protection	15600-39100	5400	17.8.2009	P
2.6	Subject Matter Specialist	A.Murugan	Agronomy	15600-39100	5400	18.07.2011	P
2.7	Subject Matter Specialist	Vacant					
2.8	Programme Assistant	S.Manikandan	Fisheries	9300-34800	4200	1.8.2009	P
2.9	Computer Programmer	J.Jove	Computer science	9300-34800	4200	1.4.2011	P
2.10	Farm Manager	K.Damodaran	Agriculture	9300-34800	4200	31.8.2009	P
2.11	Accountant/Superintendent	S.S. Ganesan	-	9300-34800	4200	1.6.96	P
2.12	Stenographer	A. Vimala	-	5200-20200	2000	1.6.96	P
2.13	Driver 1	Dominic James	-	5200-20200	2000	1.6.96	P
2.14	Driver 2	Gulam Rasul Babu	-	5200-20200	2000	1.7.96	P
2.15	Supporting staff 1	Rajesh	-	5200	1800	1.12.96	P
2.16	Supporting staff 2	Xavier	-	5200	1800	12.11.01	P

## 3. Details of SAC meeting conducted during 2012-13

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2013-14
	<b>26.9.2012</b>	<b>General issues</b>		
3.1		The SMS service by the KVK may be sent to All the SAC Members	Since the SMS sent in English is not useful for the farmers we are taking efforts to send Voice SMS for which negotiations are made with service providers and awaiting for additional fund allotment from ICAR to start the services.	17.5.2013 and 15.11.2013
3.2		Promote farm pond establishment and rain water harvesting structures	4 training programmes were organized to 160 farmers on the rain water harvesting and farm pond usage aspects during the year 2012-13 and planned to organize 10 training programmes during the year 2013-14	
3.3		Efforts should be taken to fulfill the vision of TN Govt. to increase the production Popularization of high yielding varieties should be done	Through FLD Programme we are popularizing the high yielding varieties	
3.4		Suggested to invite all the SAC members to get their views and ideas before finalizing the action plan. A meeting can be organized at KVK exclusively for this purpose	Discussion were made with all the SAC members individually before finalizing the action plan for the year 2013-14 , a separate meeting for the purpose will be arranged in the month of Feb 2014 for the next year Plan preparation	
3.5		All the Data's should be documented properly	Efforts were made by all the staff of KVK in properly documenting the field observation data as suggested	
3.6		Suggested to document five unique achievements of KVK to apply for best KVK award	Planned to document the following achievements of KVK during the year 2013-14 <ol style="list-style-type: none"> <li>1. Technology transfer through women self help group approach</li> <li>2. Promotion of inland fish rearing</li> <li>3. Comprehensive disease control programme and its impact in livestock economy</li> <li>4. Impact on the promotion of biofertilizers and biocontrol agents by KVK</li> <li>5. Impact on the introduction of latest high yielding varieties by the KVK</li> </ol>	
3.7		Cross linking with other KVK may be tried to get their help and share information's	Cross linkage with KVK Dindigul , Aruppukottai , Namakkal,Coimbatore and Theni is established to utilize their expertise	

			and services with respect to technological input supply and expertise	
3.8		A contingent plan should be prepared well in advance to meet the problem of NE monsoon	Contingent plan document was prepared to face the failure in NE monsoon and the same was discussed with the farmers during the training programmes in the year 2012-13	
3.9		Advised all the SMS to find out low cost and no cost technologies for promotion	Efforts are made to document the low cost technologies by the individual SMS in their respective field and planned to bring out a manual on this aspect in the year 2013-14	
3.10		SMS Soil science need to document and create data base on soil sample analysis	Efforts are made as suggested	
<b>Mechanization in agriculture</b>				
3.11		Promote the mechanization in agriculture	Simple mechanical tools like cycle weeder, bhendi plucker, rotary weeder, brush cutter, chaff cutter, and combined seed cum fertilizer drill were introduced by our KVK during the year 2012-13  Training programme is planned for total mechanization in paddy, maize, pulses during the year 2013-14	
<b>Seed production</b>				
3.12		Encourage the farmers to produce certified seeds and to check the seed germination before sowing	Encouraged the farmers to produce certified seeds of pearl millet 1350 kg (Cu-9 Var.) and TFL seeds of sorghum Co(s)30 -500 kg during the year 2012-13	
3.13		Farmers may be encouraged to produce seeds in Chilli with Var. K-1 and KKM-1	We have planned to encourage the farmers to produce seeds of chilli during the year 2013-14 under irrigated condition in Kharif season.	
<b>Crop production</b>				
3.14		Efforts should be made to promote small millets cultivation	We are promoting millets like bajra, sorghum, barnyard millet etc through our FLD and training programmes	
3.15		Proper training may be given to the farmers on the use of herbicides to control weed in the various crops	4 training programme were organized on the use of herbicide to control weeds in pulses and millet crop in the year 2012-13 and planned to conduct 10 training programmes during the year 2013-14	
<b>Horticulture promotion</b>				
3.16		Efforts need to be made to rejuvenate the old trees and orchards Training on pruning techniques may be given to the farmers to increase the productivity	Planned to organize training programme on rejuvenation of old trees and pruning techniques in the year 2013-14	
3.17		Flower cultivation may be promoted	Trainings will be organized to promote flower cultivation in the year 2013-14.	
3.18		Rural youth may be encouraged to	Two training programmes were	

		produce nursery seedlings as an income generation activity	organized to 50 rural youth in the year 2012-13 and planned to organize 4 Trainings to 100 rural youth on this aspect in the year 2013-14	
<b>Value addition</b>				
3.19		Details on Value addition , processing and storage technology may be provided to Agriculture officers for further dissemination to the needy farmers	Planned to organize a training programme to the extension officials on the value addition processing and storage aspects of various crop and horticulture produces during the year 2013-14	
3.20		Advised the SMS (HS) to give information on nutritive value of the products prepared by KVK. Asked her to visit either kannur or pondicherry to get training on value addition. Branding efforts to be made to market the KVK products	We have planned to visit kannur or Pondicherry KVK regarding value addition and branding.	
<b>Aquaculture and its value addition</b>				
3.21		Informed that CMFRI is ready to give training to the needy in collaboration with KVK	We have planned to make use of CMFRI for fisheries related training programme	
3.22		KVK can utilize the expertise of FCRI Thoothukudi in ornamental fish rearing and its breeding	We get the expert opinion and advise in the promotion of ornamental fish rearing from the FCRI Thoothukudi whenever required and promoted 5 units through our FLD programme	
3.23		Fresh water prawn and Tilapia culture can also be promoted	FLD programme were planned on fresh water prawn poly culture and Tilapia culture in 10 locations during the year 2013-14	
<b>Fodder promotion</b>				
3.24		Drought resistant fodder tree cultivation may be promoted	We are already promoting and supplying saplings of fodder trees	
3.25		Green fodder cultivation with CO-4 and Hedge Lucerne can be promoted	KVK promoted green fodder cultivation with CO-4 and Hedgelucerne and supplying seeds to the needy farmers	
3.26		Azolla cultivation as livestock fodder may be promoted	Training programme on azolla rearing was organized to 38 field veterinarians and 200 farmers during the year 2012-13 and planned to conduct training in 2013-14 also. Supplied 20 kg of azolla seed material from KVK to 20 farmers	
<b>Energy conservation and drudgery reduction</b>				
3.27		Demo on SARAI cooker and similar energy saving devices should be given frequently with full information	Demonstration and training programmes are frequently conducted regarding energy saving devices	
<b>Livestock promotion</b>				
3.28		Since goat rearing is very remunerative, it can be promoted Asked the KVK to utilize the service of TANUVAS , Tirunelveli branch	20 training programmes were conducted on goat rearing during the year 2012-13 and planned to conduct 20 training programmes in the year 2013-14	

3.29		KVK can utilize the expertise of TANUVAS , Tirunelveli	KVK collaborate well with the TANUVAS and utilize the expertise for organizing training programmes to field veterinarians and while planning the interventions in livestock and poultry rearing.	
<b>Plant protection</b>				
3.30		Papaya mealy bug problem may be addressed properly and suggested to use parasitoid to control the menace	We use parasitoids available at killikulam to control papaya mealy bug. Planned to release the parasitoids whenever and wherever the problem is noticed.	
3.31		Advised SMS PP to concentrate more on IDM and IPM aspects	Efforts were made as suggested	

#### 4. Capacity Building of KVK Staff

##### 4.1. Plan of Human Resource Development of KVK personnel during 2013-14

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Feed block preparation, salt lick preparation, mineral block preparation	TANUVAS	Very much essential to learn about the latest techniques in feed block preparation using the straw which otherwise goes waste as it is machine cut.
4.1.2	Post harvest packaging technology	CIPHET,Ludhiana	Very much essential for product marketing
4.1.3	Latest technologies for drought prone area agriculture	ICRISAT	Essential for implementing the programmes of drought preparedness and contingency plan for the district

##### 4.2. Cross-learning across KVKs during 2013-14

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring - Namakkal KVK	To learn about PPP model of seed production
4.2.2	Within the zone - Kannur KVK and Pathanamthitta	To learn about product branding and marketing techniques
4.2.3	Outside zone - Baramathi KVK and Ahmednagar	To learn about effective usage of ICT tools in transfer of technology

##### 5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2013-14

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK, Virudhunagar	Expertise in animal science and fisheries	Expertise in dry land technologies
5.2	KVK, Kanyakumari	Expertise in animal science and fisheries	Expertise in Jasmine cultivation
5.3	KVK, Madurai	Expertise in animal science and fisheries	Expertise in Honey bee and banana fibre product preparation
5.4	KVK, Gandhigram	Prosopis juliflora pod as animal feed and fish culture in ponds	Expertise in agro forestry

**6. Operational areas details proposed during 2013-14**

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	<b>Paddy</b>	Low productivity in paddy Lack of non lodging high yield and saline resistant varieties. Lack of knowledge in INM and IPM practices	5000	Semmarikulam, Kalvilai, Naganai	Fld, Field Day, Field Visits, And Training
6.2	<b>Sorghum</b>	Lack of Drought tolerant varieties Lack of Short duration varieties Lack of knowledge in weedicide usage Labour shortage	8500	Kallamparumpu Umarikotti	Fld, Field Day, Field Visits, And Training
6.3	<b>Bajra</b>	Lack of Drought tolerant varieties Lack of Short duration varieties Lack of knowledge in weedicide usage Labour shortage	8500	Jagaverapandiapuram Umarikottai Poovani	Fld, Field Day, Field Visits, And Training
6.4	<b>Blackgram</b>	Lack of Drought tolerant varieties Lack of Short duration varieties Lack of weed management and crop management practices Low yield, lack of high yield varieties.	30000	Ayanpommiapuram Puvani	Fld, Field Day, Field Visits, And Training
6.5	<b>Kuthiraivali</b>	Lack of Drought tolerant varieties Lack of Short duration varieties Lack of weed management and crop management practice Low yield ,lack of high yield varieties and value addition for minor millets	500	K.P.Thalavaipuram Jegaverapandiapuram	Fld, Field Day, Field Visits, And Training
6.6	<b>Coriander</b>	Lack of Drought tolerant varieties Lack of Short duration varieties Low yield ,lack of high yield varieties and technology	1200	Idaichurani Kalkumi	Fld, Field Day, Field Visits, And Training
6.7	<b>Brinjal</b>	1. Less production and higher demand for	650	Aniyaparanallur Kalkumi	

		<p>white colour brinjal</p> <ol style="list-style-type: none"> <li>2. Non availability of seed material when required</li> <li>3. Seasonal preference of KKM-1 var.</li> <li>4. Less or no off seasonal production within the district</li> <li>5. Except KKM-1 no white coloured varieties to cultivate</li> <li>6. Lack of knowledge in IPM practices for sucking pest and shoot and fruit borer</li> </ol>			Fld,OFT Field Day, Field Visits, And Training
6.8	<b>Babycorn/Maize</b>	<ol style="list-style-type: none"> <li>1. Lack of awareness in baby corn cultivation</li> <li>2. Lack of market avenues</li> <li>3. Lack of knowledge in baby corn value addition</li> </ol>	10	Ramanathapuram Aniapanallur	Fld, Field Day, Field Visits, And Training
6.9	<b>Banana</b>	<p>Lack of IPM practice More pest and disease attack Low yield</p>	8000	Kalvilai Ramanathapuram	Fld, Field Day, Field Visits, And Training
6.10	<b>Redgram</b>	<ol style="list-style-type: none"> <li>1. Red gram is not cultivated as main crop due to long cultivation period</li> <li>2. Red gram is cultivated only as border crop/ as a trap crop</li> <li>3. Lack of awareness on transplanted redgram technology</li> </ol>	1000 ha as a border crop	Poovani, Vedanatham, Jegaveerapandiayapurm	OFT AND TRAINING
6.11	<b>Dairy cows</b>	<p>Loss in milk production due to udder infection and mastitis</p>	25 % of cows in milking		OFT AND TRAINING
		<p>Low milk yield in cows due to poor feeding practices</p>	all the low yielding cows maintained by resource poor farmers	Aniyabaranallur, Kalkumi, Kalvilai, Karisalkulam, Velidupatti, Ramanathapuram	OFT AND TRAINING
6.12	<b>Goat</b>	<p>Mortality in goat due to infectious disease Lack of sufficient green fodder for grazing</p>	25% of goat population	Thalavaipuram, Vilathikulam	FLD and Training, FFS
6.13	<b>Poultry</b>	<p>Low laying capacity of desi fowls Mortality in desi birds due to diseases</p>	100 % of the desi fowl population	Vilathikulam, Peroorani, Aniyabaranallur, Kalvilai, jegaveerapandiayapuram	FLD and Training, extension activities

6.14	<b>Moringa</b>	Low yield ,lack of high yield ,off season varieties and technology		Vilathikulam Kalkumi	OFT AND TRAINING
6.15	<b>Fish rearing</b>	Non utilization of seasonal ponds for fish rearing Non availability of fingerlings at Nov and Dec months for stocking Shorter period of water storage in rainfed tanks leads to low body weight gain in fish Lack of knowledge in backyard ornamental fish rearing		Vilathikulam	FLD , Training and extension activities

\* Support with problem-cause and interventions diagram



**7. Technology Assessment during 2013-14**

S. No .	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Redgram	Low yield and no technology awareness	Cultivation of transplanted Redgram	1 seed dibbling	TNAU	Co -7 seed	10kg	1000	15	30000	<ul style="list-style-type: none"> <li>• No of pods /plants</li> <li>• Yield /ha</li> <li>• BC ratio</li> </ul>	SMS AG SMS PP
				2 transplanting seedling	TNAU	Co 7 seed Sand Red sand Fym Poly bag Rhizophos	1kg 1 load 1 load 1 load 8000 no 10 kg	100 4500 4500 3000 6540 0 500	15			
7.2	Dairy cows	Loss in milk production due to udder infection and mastitis	Herbal therapy for the management of clinical Mastitis with Aloe vera, Turmeric and slaked lime paste topical application on the affected udder	1. Systemic and local Antibiotic administration based on the sensitivity of the causative organism involved along with anti inflammatory and antihistaminic agents (TANUVAS )	TANUVAS	Antibiotic and anti inflammatory  Bacterial culture test	5 doses  1	1250  300	6	9300	Vital signs  Degree of swelling  Colour of milk  CMT score  Antibacterial sensitivity of the infected secretion  Bacterial culture to identify the causative organism	SMS AS

				2.Topical application of ground paste of Aloe vera (one full leaf), turmeric (50g) and slaked lime (5g) at one hour interval until complete cure (TANUVAS, 2012 )	TANUVAS	Aloe vera leaf Slaked lime Turmeric powder Bacterial culture test  CMT reagent	1kg 25g 500g One 100 ml	0 0 80 300 20	10	4000		
				3.Topical application of lime and chalk paste with intramammary antibiotic infusion ( Farmers practice)	Farmers practice	Nil			6	0		
7.3	Dairy cows	Low milk yield in cows due to poor feeding practices	GRAND supplement to improve the milk yield in cows ( which give less than 10 lit of milk per day and not fed with concentrate feed but of	1.Feeding the cows only with gruel and some cereal without any oil cakes apart from grazing					60	2500	Age, parity and milk yield Status of the cow Daily feeding details Daily milk yield in lit Change in appetite, Dung, locomotion and respiration parameters	SMS AS

			gruel and cereal)									
				Supplementing cows with GRAND supplement @ 20 ml per day for 30 days after deworming with albendazole bolus	TANUVAS	GRAND supplement Albendazole bolus	600 ml 1	42	60	2500	Age, parity and milk yield Status of the cow  Daily feeding details  Daily milk yield in lit  Change in appetite, Dung, locomotion and respiration parameters	
7.4	Brinjal	1. Less production and higher demand for white colour brinjal 2. Non availability of seed material when required 3. Seasonal preference of KKM-1 var. 4. Less or no off seasonal production within the district 5. Except KKM-1 no white coloured varieties to cultivate	Off seasonal brinjal production with different varieties ( white colour ) to fetch higher net return per unit area	KKM-1	TNAU	Seed  Neem soap  chlorpyriphos	2000  400  340	1896	10	18960	No.of fruits per plant Fruit weight Yield /plant Yield /season BC ratio Market rate during the season Pest and disease incidence	SMS Horti SMS AG SMS PP

				Vilathikulam local								
				Ottanchathiram local								
7.5	Moringa		Assessment of Pest resistance and yield parameters of PKM 1 Moringa with KDM-1 (Bhagya) moringa variety	PKM -1	TNAU	Seed Chlorpyrifos	100g 200 ml	300 70	10	7400	No. of fruits per plant Fruit weight Yield /plant Yield /season BC ratio Market rate during the season Pest and disease incidence	SMS Horti SMS AG SMS PP
				KDM-1 (Bagya)	UAS, Bagalkot	Seed Chlorpyrifos	100g 200 ml	150 70	10			

**8. Technology Refinement during 2013-14**

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
8.1				1								
				2								
				3								
				4								
8.2				1								
				2								
				3								
8.3				1								
				2								
				3								

## 9. Frontline Demonstrations during 2013-14

S. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
9.1	Cereals	paddy	Low productivity in paddy Lack of non lodging, high yielding and saline resistant varieties. Lack of knowledge in INM and IPM practices	Demonstration on ICMP in Paddy	variety	<b>TRY - 3</b>	TNAU	Azophos Leaf colour chart Seed Neem oil Egg card Trichogramma japonicum-stem borer Trichogramma chilonis-Leaf folder Pheromone traps	1kg/acre 1nos 30 kg 1 lit 20cc - 20cc 8 no	80 60 750 600 300  300 1800	10	20650	No of tillers /plant No of productive tillers /sq.m Yield /ha BC ratio	SMS AG SMS PP
9.2	Millet	sorghum	Lack of Drought tolerant varieties Lack of Short duration	Demonstration of Dual purpose Sorghum variety.	variety	<b>Co (s) 30</b>	TNAU	Sorghum seeds CO(S)- 10Kg/ha Seed hardening 2 %KH 2 Po 4 - Biofertilizers Pseudomonas	10Kg 2% 2.5 kg 2.5 kg	300 100 160 250	10	12300	Yield /ha BC ratio	SMS AG SMS HS

			varieties Lack of knowled ge in weedcid e usage Labour shortage					Atrazine	1.5 kg	420				
		Bajra	Lack of Drought tolerant varieties Lack of Short duration varieties Lack of knowled ge in weedcid e usage Labour shortage	ICMP and value addition Demonstration in Bajra	Variety	Co (cu ) 9	TNA U	Co (cu ) 9 Kcl 2% Azophos MN mixture Atrazine	2kg 2% 800g 5kg 800 gm	500 100 60 560 130	10	12500	<ul style="list-style-type: none"> <li>No of tillers</li> <li>Length of the ear head</li> <li>Yield &amp;B:C ratio</li> </ul>	SMS AG SMS HS
		Barnyard millet	Lack of Drought tolerant short duration varieties  Lack of weed management and crop management practices	Demonstration of ICMP and value addition on barnyard millets	Variety	Co -2	TNA U	Barnyard millets seeds CO 2 @12.5kg/ha Bio fertilizers  Pseudomonas  Atrazine 1.5 Kg/ha	5 kg  1kg  1 kg  600g	500  100  100  430	10	11300	Yield /ha BC ratio	SMS AG SMS HS
9.3	Oilsee													

	ds													
9.4	Pulses	Black gram	Lack of Drought tolerant varieties, Lack of Short duration and pest and disease resistant varieties, Lack of weed management and crop management practices	Demonstration of Black gram seed Production Techniques	Variety	<b>VBN (Bg) 6</b>	TNA U	VBN (Bg ) 6 Seed Rhizophos Pulses wonder Herbicide Mechanical weeder	8kg 1kg 2kg 5oog 1	1000 100 600 400 400	10	25000	<ul style="list-style-type: none"> <li>No of flower / plant</li> <li>No of pods /plants</li> <li>Yield /ha</li> <li>BC ratio</li> </ul>	SMS AG SMS PP
9.5	Commerci al crops													
		Casurina	Lack of waste land development practices , lesser awareness on the crop cultivation	Demonstration on Casurina and Melia dubia cultivation ( Continuation from 2012-13)	Variety	MTP-2	TNA U	Melia dubia seedling for gapfilling Casurina (MTP-2) seedling EMA	100 250 10 lit	1000 1250 500	5	13750	Plant establishment Growth rate per annum Mortality % Pest and disease incidence	SMS AG SMS PP

9.6	Horticultural crops	Coriander	Low yield, lack of high yield varieties	Introduction of CO-4 coriander with ICM practices	variety	CO-4	TNAU	seed	3kg	900	10	4500 (after 50% contribution from farmers)	Yield in qtl BC ratio	
		Brinjal	Lack of off season varieties, Low yield due to shoot and fruit borer, lack of high yielding varieties	Demonstration on IPM practices for the management of Brinjal shoot and fruit borer	Variety	<b>KKM 1</b>	IARI-2012	Cluster bean seed (intercrop) Azophos – Pseudomonas Neem cake Pheromone traps Egg card (T.brasiana) Thiamethoxam Cyber methrin	1 Kg 1kg 20 kg 8nos 4.5cc 250 g m 250 ml	80 100 700 2000 200 360 240	10	30500	No of affected shoots /plant No of affected plant /m2 Yield /ha BC ratio	SMS HORT I SMS PP
		Baby corn	Lack of awareness in baby corn cultivation Lack of market avenues in the local, Lack of knowledge in baby corn value addition	Demonstration of Baby Corn cultivation and Value addition	Hybrid	<b>CO(B C)-1 or G5414</b>	TANU Syngenta	Baby corn seed @20kg/ha Azophos – 2.5kg/ha Atrazine  Establishment of marketing outlet	4 kg 500g 300g	1400 40 84  25000	10	40240	• Yield /ha • BC ratio • income generation by value addition	SMS HS SMS AG
		Banana	Lack of IPM practice,	Demonstration of ICMP in banana Var.	Variety	<b>Robusta</b>		Carbandezim 1kg/ac Carbofuran 4kg/ac	1 kg 1.0kg 4kg /ac	260 540	10	54300 (after 50% contribution)	• Yield /ha	SMS Hort SMS



			low soil fertility, More pest and disease attack, Low yield and lack of knowledge on ICMP	Robusta				IIHR MN mix – 2kg/ac  SOP -2kg/ac Bunch cover-860/ac	2kg/ac  2kg/ac 860/ac	240  220 9600		on from farmers)	<ul style="list-style-type: none"> <li>• BC ratio</li> <li>• income generation by value addition</li> </ul>	PP
		Lab lab	Lack of Short duration and off season varieties Low yield ,lack of high yield varieties	Introduction of New CO(Gb)14 bush type lab lab beans & ICM practices for round the year cultivation	Variety	CO(Gb)14	TNA U	seed	14kg	1800	10	9000 (after 50% contribution from farmers)	Pods collected per person in kg per season  Pod flour produced and sold per season  Coffee and syrup produced and sold per season  BC ratio	SMS Hort SMS PP
9.7	Live-stock	Goat rearing	Lack of sufficient green fodder for feeding	Broiler goat rearing technology		Non descript goat	KVK, Calicut	Goat feed Broken rice Liver tonic Fish oil For 20 kids for 10 demo= 12000	20kg 20Kg 200ml 200ml	400 400 200 200	10	6000 (after 50% contribution from farmers)	Survival rate  Weekly body weight  Dressing percentage at slaughter  BC ratio	SMS AS, SMS HS
		Back yard Poultry	Low laying capacity of desi fowls Mortality	Demonstration of Scientific Backyard Poultry Rearing and Chick production	Bred	NDC-1	TAN UVA S, 2010	chicks -20 per demo Cages for rearing chicks and adult  Homestead	20  one	1800  4000	10	49000 (after 50% contribution from farmers)	Survival rate No of eggs / annum Body weight at 2 <sup>nd</sup> and 3 <sup>rd</sup>	SMS AS, SMS HS

			in desi birds due to diseases	model with Commodity group approach to promote rural entrepreneurshi p				incubator -1/ 10 units ( 1 x 40000)	one unit for 10 demo	4000			month Hatchability Income from sale of chicks. BC ratio	
9.8	Fisher ies	Fish	Non utilizatio n of seasonal ponds for fish rearing Non availabili ty of fingerlin gs at Nov and Dec months for stocking Shorter period of water storage in rainfed tanks leads to low body weight gain in fish Lack of knowled ge in backyard ornament	Demonstration of Composite fish culture with stunted yearlings	bre ed		TAN UVA S	Stunted fish yearlings (2000/acre)	1000	10,000	5	37,500  (after 25% farmer's contributi on)	<ul style="list-style-type: none"> <li>➤ Body weight of fish during stocking &amp; harvest</li> <li>➤ Yield /ha</li> <li>➤ BC ratio</li> </ul>	PA fish SMS AS

			al fish rearing											
		ornamental Fish		Demonstration of backyard ornamental fish culture to promote rural entrepreneurship			TAN UVA S	1.Cement tank 12 nos (breeding tank-4 ,rearing tank-8) 2.Live bearers 50 nos 3.Feed 4 kg/year 4. Aerator & other accessories	6  25  4kg	10,000	2	15,000          (after 25% farmer's contribution)	➤ Color of fishes ➤ Survival rate ➤ BC ratio	PA fish SMS AS
		Tilapia Fish		Demonstration of Genetically Improved Farmed Tilapia (GIFT) culture in Village common ponds			TAN UVA S, 2012	Genetically Improved Farmed Tilapia (GIFT) fingerlings	2000	10,000		23,500          (after 25% farmer's contribution)	➤ Body weight of fish during harvest ➤ Yield /ha ➤ BC ratio	PA fish SMS AS
		Prawn + Fish		Demonstration of Poly culture of freshwater prawn with carps in individual farm ponds			TAN UVA S,	1.Prawn seeds 1000/acre 2.Carp seeds 2000/acre	1000  2000	5,000	4	15,000          (after 25% farmer's contribution)	➤ Body weight of fish& prawn during harvest ➤ Yield /ha ➤ BC ratio	PA fish SMS AS
9.9	Others	Integrated farming system model for garden	Lack of Sustainable agriculture practices , Lack of	Demonstration of IFS model for garden land			TNA U	<b>Agriculture crop</b> Maize <b>Horticulture crop</b> Bhendi Banana <b>Trees</b> Mango Guava	1acre  0.5Acre o.5 Acre  0.1Acre 0.1Acre	1500  1000 2500  500 500	5	98250 (after 50% contribution from farmers)	Yield per unit per season  BC ratio	SMS Ag SMS AS SMS PP SMS HS

		land	income generation technologies, Improper land utilization practices, Lack of IFS new technology				Sapota <b>Animal husbandary</b> Cow (or) Goat Chicks <b>Fodder production</b> Co-4 (or) Hedge Lucerne <b>Vermicomposting</b> Silpaulin bag	0.1Acre 1 No (or) 10 No 20 No 0.1Acre 1 No.	500  25000 2500 1300 3000				SMS Horti
		Protect ed vegeta ble cultiva tion		Off season vegetable production under net house in 100 sq.m area		TNA U Agrip ortal/ hortic ulture	GI pipe (20'x1/2'' dia) Plastic sheet Exhaust fan Humidifier Other fixing material	10nos 210sq.m 1no 1no -	4500 7350 5500 12000 2000	2	62700	Seasonal vegetable production Net return CB ratio	SMS Horti and SMS PP

**10 Training for Farmers/ Farm Women during 2013-14**

S.No .	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/ FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Black gram	Low yield Non availability of quality seeds and Pest and disease	FLD	Seed production technology in pulses	2	40	SMS Ag
		Paddy	Low production due to imbalance fertilizer application Soil salinity	FLD	ICMP for Paddy	2	40	SMS Ag, SMS S.S
		Bajra	Lack of knowledge on ICMP Low price for commodity	FLD	ICMP for Bajra	2	40	SMS Ag
		Sorghum	Lack of knowledge on ICMP, Low price for commodity	FLD	ICMP for Sorghum	2	40	SMS Ag
		Red gram	Low productivity in red gram	OFT	Transplanted red gram cultivation practices	2	40	SMS Ag & SMS PP
		Barnyard millet	Lack of knowledge on value addition, No improved varieties	FLD	Cultivation and ICMP Barnyard millet	3	60	SMS H.sc, SMS Agr, SMS PP
10.2	Horticulture Production	Lab Lab	Non availability of suitable variety for round the year cultivation	FLD	Package of practices for Lab lab with ICM techniques	2	50	SMS Hort, SMS PP, SMS Agr
		Coriander	No improved variety Lower production during off season	FLD	Package of practices for Coriander with ICM techniques	2	50	SMS Hort, SMS PP, SMS Agr
		Moringa	Lower productivity, Bud worm and hairy, caterpillar infestation	FLD	Package of practices for Moringa with ICM techniques	2	50	SMS Hort, SMS PP, SMS Agr
		Brinjal	Seasonality of vegetables, Non availability of seeds when required	Assessment through OFT	Package of practices for Brinjal with ICM techniques	2	50	SMS Hort, SMS PP, SMS Agr

		Hybrid vegetables	Low productivity High incidence of pest and diseases	Assessment through OFT	Cultivation of Hybrid vegetables under shade net	4	100	SMS Hort, SMS PP, SMS Agr
		Solanaceous vegetables	Non availability of seeds, lack of knowledge on seed production	Training	Scientific seed production techniques for Solanaceous vegetables	2	40	SMS Hort
10.3	Livestock Production							
		Backyard poultry rearing	Poor productivity of the desi birds, predator attack, mortality in birds	FLD	Improved backyard poultry rearing	6	120	SMS AS
		cattle	High production cost , production loss due to mastitis , production diseases and infectious diseases and infertility due to poor breeding practices	FLD	Profitable dairy farming practices	6	120	SMS AS
		Dairy cattle	Delayed fertility or infertility in cattle	FLD	Dairy cattle infertility management and prevention	2	40	SMS AS
		Fodder	Non availability of green fodder	FLD	Green fodder cultivation	2	40	SMS AS SMS Ag
		Goat	Mortality in goats due to infectious diseases and parasitism	FLD	Feeding and disease management in goats	6	120	SMS AS
10.4	Home Science	Sorghum	Lack of knowledge on value addition, No improved varieties	FLD	Post harvest technology & Value addition in Sorghum – Branding and marketing of value added products	3	60	SMS H.sc, SMS Agr, SMS PP
		Bajra	Lack of knowledge	FLD	Post harvest	3	60	SMS H.sc,

			on value addition, No improved varieties		technology & Value addition in Bajra – Branding and marketing of value added products			SMS Agr, SMS PP
		Barnyard millet	Lack of knowledge on value addition, No improved varieties	FLD	Post harvest technology & Value addition in Barnyard millet – Branding and marketing of value added products	3	60	SMS H.sc, SMS Agr, SMS PP
		Baby corn	Lack of knowledge on value addition, No improved varieties	FLD	Post harvest technology & Value addition in Baby corn – Branding and marketing of value added products	3	60	SMS H.sc, SMS Hort
		Pulses	Lack of knowledge on value added product preparation Low price for commodity	OFT	Value addition on pulses	1	40	SMS H.Sc
		Farm implements	Drudgery to farm women, Lack of awareness on usage of farm implements	Trainings	Usage of different weeders in dry land cultivation	2	40	SMS H.Sc SMS Agr
		Energy saving Devices	Lack of awareness on improved devices, health problems to women	Trainings	Importance of Improved cookery and energy saving devices	2	40	SMS H.Sc
10.5	Plant Protection	Banana	Low yield due to Low awareness on nutrient management  low yield due to wilt disease and stem weevil	FLD	Integrated pest and disease management in banana	2	40	SMS PP, SMS Horti

		Paddy	Low yield due to Low awareness on pest management	FLD	Integrated pest management on paddy	2	40	SMS PP,SMS Ag
		Green gram	Low yield due to Low awareness on pest management	FLD	Integrated pest management on green gram and black gram	2	40	SMS PP,SMS Ag
		Chilli	Lack of knowledge for biological pest management	FLD	Biological method of pest control on chilly	2	40	SMS PP, SMS Horti
		Jasmine	Lower productivity, Bud worm and red mite	Trainings	Integrated pest management for jasmine	2	40	SMS PP, SMS Horti
		Pulses	Lack of knowledge on value added product preparation Low price for commodity	FLD	Method of storage for pulses	2	40	SMS PP,SMS Ag
		Coconut	Lack of knowledge for traps in pest management		Integrated pest management for fruit trees	2	30	SMS PP,SMS Ag
		Black gram	Low yield due to Low awareness on pest management		Integrated pest management and store pest	2	60	SMS PP,SMS Ag
		Brinjal			Integrate pest management for organic pest control	2	50	SMS PP,SMS Ag
10.6	Production of Inputs at Site							
10.7	Soil Health and Fertility	All crops	Low yield in Problem soil Low yield due to poor soil health and excessive fertilizer application	FLD and Trainings	Soil sampling and importance of analysis	6	120	SMS SS and SMS AG
					Vermicomposting , Panchakavya , EM	6	120	SMS SS , SMS PP,



					preparation and its usage			
10.8	PHT and value addition	Banana	Lack of knowledge on value addition	FLD	Preparation of value added product preparation from banana	1	25	SMS HS
		Aonla	Lack of knowledge on value addition	Training	Preparation of value added product preparation from Aonla	1	25	SMS HS
10.9	Capacity Building Group Dynamics	WSHG	Lack of knowledge on group dynamics	Training	Capacity building and group dynamics	5	100	SMS HS
10.10	Farm Mechanization	All crops	Lack of knowledge in farm mechanization	FLD	Mechanized cultivation in various crops	2	50	SMS AG
10.11	Fisheries Production Technologies	Fish	Lack of awareness on fresh water fish culture	FLD	Fresh water Ornamental fish culture	5	100	PA fish
		Fish	Non Utilization of potential freshwater bodies	FLD	Composite fish culture and Poly culture	5	100	PA fish
10.12	Mushroom production	Oyster mushroom			Mushroom cultivation and spawn production	2	40	
10.13	Agro forestry	Casurina and Melia tubia	Lack of knowledge on agro forestry	FLD	Role of agroforestry in increasing the income from farm	4	100	
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl. specify							

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

**11. Training for Rural Youth during 2013-14**

S.No .	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/ FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	Pulses	Low yield Non availability of quality seeds and Pest and disease	FLD	Seed production and marketing for higher net income from the unit area	1	30	SMs Ag
		Cereals & minor millets	Low yield Non availability of quality seeds and Pest and disease	FLD	Recent advances in crop production for paddy, pulses and millets	1	30	SMs Ag
11.2	Horticulture Production	Hybrid vegetables	Lower productivity during off season, Lower productivity, lower income	trainings	Hitech vegetable cultivation under shade net	2	50	SMS Hort
		Post harvest technology	Wastage of fruits and vegetables, lack of knowledge on preservation	trainings	Post harvest technologies and preservation methods of fruits and vegetables	2	50	SMS Hort, SMS H.Sc
		Nursery management	Under employment/unemployment	Trainings	Production of quality seedlings under shade house and protay	2	50	SMS Hort
11.3	Livestock Production							
		Goat rearing	Low productivity	FFS	Goat rearing as an entrepreneurial activity	3	45	SMs As
		Quail	Non availability	FLD	Quail farming	5	60	SMs As
		Turkey	Non availability	FLD	Turkey farming	2	40	SMs As
11.4	Home Science	Milk	Lack of knowledge on value added products and marketing facilities	FLD	Value addition on milk and milk products	1	20	SMs HSc
		Prosopis juliflora	Lack of knowledge in the multiple uses of	FLD	Preparation of value added products from Prosopis juliflora	1	20	SMS H.SC & As

			prosopis					
		Minor millets	Lack of knowledge on value added products and marketing facilities	FLD	Value addition on minor millets	2	40	SMs HSc
		Millets	Less subsidiary occupation Seasonal employment Low price for commodity	FLD	Value addition on sorghum and bajra	2	40	SMS Hsc
11.5	Plant Protection	All crops	Lack of knowledge in organic input preparation		Preparation and marketing of organic inputs like vermicompost, panchakavya, EM, Poochivirati	2	40	SMS PP
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group Dynamics	WSHG	Lack of knowledge on group dynamics and entrepreneurial skills	Training	Entrepreneurial Development training	1	30	SMS HS
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies	Fish	Lack of awareness on hygienic handling of harvested fish	FLD	Value addition on fish through solar tent drier	2	40	PA Fish
		Fish	Low Income	FLD	Value addition on fish	2	40	PA Fish
		Fish	Lack of awareness	FLD	Marine ornamental fish rearing	5	60	PA Fish
11.12	Mushroom production	Mushroom	Lack of knowledge on value added	FLD	Scientific mushroom production techniques and value addition on	2	40	SMS PP

			products and marketing facilities		mushroom			
11.1 3	Agro forestry							
11.1 4	Bee Keeping							
11.1 5	Sericulture							
	<b>Others, pl. specify</b>							

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

### 12 Trainings for Extension Personnel during 2013-14

S.No .	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Transplanting Red gram production technology for rain fed cultivation	2	40	SMS Ag
		Recent advances in crop production technology	2	40	SMS Ag
12.2	Home Science				
		Importance and usage of energy saving devices	2	50	SMS H.Sc
		Value addition on minor millets	4	80	SMS H.Sc
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Precision farming techniques for vegetables and flowers	2	40	SMS hort, SMS Agr, SMS PP
		Commercial Flower cultivation under shade house	2	40	SMS hort, SMS Agr, SMS PP
12.5	Livestock Production & Management	Recent advances in dairy cattle management practices for profitable dairy	1	40	SMS As
		Breeds, rearing techniques, fodder and feeding and disease prevention practices	1	40	SMS As
		Broiler goat rearing technique	1	40	SMS As
		Recent advances in backyard poultry rearing	1	40	SMS As
12.6	Plant Protection	Integrated pest management in cereals	2	40	SMS PP
		Integrated pest management in pulses	2	40	SMS PP
		Organic cultivation and registration methods	2	40	SMS PP
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.1 0	Sericulture				

<b>12.1</b>	Fisheries				
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\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

### 13 Vocational trainings during 2013-14

Sl.No	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Integrated farming system practices	2 (2 days)	Youth & women	40		SMS Ag
		Recent advances in dry farming practices	2 (2 days)	Youth & women	40		SMS Ag
13.2	Home Science	Value addition on minor millets	2 (4 days)	Youth & women	40		SMS H.Sc
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Commercial nursery establishment	2 trainings, 2days duration for each training	Youth, SHG's	25/training	ATMA	SMS Hort
13.5	Livestock Production & Management	Ram lamb fattening and broiler goat rearing	2 trainings, 5days duration for each training	Youth, SHG's	25/training	ATMA	SMS AS
		Recent advances in backyard poultry rearing	2 trainings, 5days duration for each training	Youth, SHG's	25/training	ATMA	SMS AS
13.6	Plant Protection	Oyster mushroom cultivation	2 trainings, 2days duration for each training	Youth, SHG's	25/training	ATMA	SMS PP
13.7	Farm Mechanization						
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture						
13.11	Fisheries						

\* Training title should specify the major technology/skill to be transferred.

**14 Sponsored trainings during 2013-14**

Sl.No	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	ICMP in paddy	2	Farmers and youth	60	ATMA	SMS Ag,PP
		ICMP in Minor millets	2	Farmers and youth	60	ATMA	SMS Ag,PP,H.Sc
14.2	Home Science	Post harvest technology and value addition in Banana	2	Farmers and youth	60	ATMA	SMS H.Sc, Horti
		Post harvest technology and value addition in minor millets	2	Farmers and youth	60	INSIMP	SMS H.Sc, Horti
14.3	Capacity Building and Group Dynamics	Entrepreneurial development training programme	2 (6 week duration)	Farmers and youth	60	MOFPI	SMS H.Sc, A.Sc
14.4	Horticulture	Commercial nursery establishment	2 trainings, 2days duration for each training	Youth, SHG's	25/training	ATMA	
14.5	Livestock Production & Management	Recent advances in dairy cattle management practices for profitable dairy	2	Farmers and youth	60	ATMA	SMS AS
		Goat Breeds, rearing techniques, fodder and feeding, disease prevention practices	2	Farmers and youth	60	ATMA	SMS AS
14.6	Plant Protection						
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

\* Programme title should specify the major technologies/skills to be transferred /refreshed.

**15. Extension programmes during 2013-14**

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	50	2500	ALL SMS
15.2	Diagnostic visits	32	520	ALL SMS
15.3	Field Day	12	1200	ALL SMS
15.4	Group discussions	12	2000	ALL SMS
15.5	Kisan Ghosthi			
15.6	Film Show	4	200	ALL SMS
15.7	Self -help groups	50	1000	ALL SMS
15.8	Kisan Mela	1	500	ALL SMS
15.9	Exhibition	12	5000	ALL SMS
15.10	Scientists' visit to farmers field	60	1200	ALL SMS
15.11	Plant/Soil health/Animal health camps	40	4000	ALL SMS
15.12	Farm Science Club	12	240	ALL SMS
15.13	Ex-trainees Sammelan	2	250	ALL SMS
15.14	Farmers' seminar/workshop	6	620	ALL SMS
15.15	Method Demonstrations	15	450	ALL SMS
15.16	Celebration of important days	4	2000	ALL SMS
15.17	Special day celebration	5	5000	ALL SMS
15.18	Exposure visits	10	1000	ALL SMS
15.19	Technology week,	2	750	ALL SMS
15.20	FFS	2	60	SMS AS , SMS Ag , SMS PP
15.21	Farm innovators meet	1	25	ALL SMS
15.22	Awareness programs	20	800	ALL SMS
15.23	Farmers meeting	45	800	ALL SMS
15.24	WSHG Meetings	80	1500	ALL SMS
15.25	PLF Meetings	24	600	ALL SMS
15.26	PRA	5	120	ALL SMS
15.27	Soil Health Campaign	12	250	SMS Ag, SMS SS, SMS PP
15.28	Animal health campaign	48	1500	SMS AS

**16. Activities proposed as Knowledge and Resource Centre during 2013-14****16.1 Technological knowledge**

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	Nursery	1 ha	Farm manager, SMS As, SMS Horti, , SMS P.P, SMS Ag
		Herbal plants	.5 ha	Farm manager, SMS As, SMS Horti, SMS P.P, SMS Ag
		Mango	1 ha	Farm manager, SMS As, SMS Horti, SMS P.P, SMS Ag
		Coconut( TXD)	3 ha	Farm manager, SMS As, SMS Horti, SMS P.P,
		Coconut (Tall)	0.8ha	Farm manager, SMS

				As, SMS Horti, SMS P.P,
		Sapota	1 ha	Farm manager, SMS As, SMS Horti, SMS P.P,
		Moringa	0.4 ha	Farm manager, SMS As, SMS Horti, SMS P.P, SMS Ag
		Casurina	0.4 ha	Farm manager, SMS As, SMS Horti, SMS P.P, SMS Ag
		Green fodder ( CO-4)	0.2 ha	Farm manager, SMS As,
		Green fodder ( CO-3)	0.2 ha	Farm manager, SMS As, SMS P.P,
		Tapioca	1 cent	
		HDP Banana	30 cent	
		Barnyard millet	1 cent	
		Sorghum Co s 30	1 cent	
		Babycorn	1 cent	
16.1.2	Demonstration Units	vermi compost unit	1	SMS S.s
		Mushroom unit	1	SMS P.P
		Fish rearing unit	3 unit (360sqm)	SMS As, PA Fisheries
		Fish farm pond	2 unit (700 sqm)	SMS As, PA Fisheries
		Fish hatchery unit	1	SMS As, PA Fisheries
		Mushroom unit	20m <sup>2</sup>	Farm manager, SMS As, SMS P.P,
		Rabit unit	3 +1	Farm manager, SMS As, SMS P.P,
		Poultry	60	Farm manager, SMS As, SMS P.P,
		Japanese Quail	200	Farm manager, SMS As, SMS P.P,
		Vermicompost	20 m <sup>2</sup>	Farm manager, SMS As, SMS P.P,
		Goat Unit	12 +1	Farm manager, SMS As, SMS P.P,
		Poultry hatchery	120 and 240 egg capacity	
16.1.3	Lab Analytical services	Soil and water test lab	250 samples	SMS Ss, SMS As,
		Bio tech lab	1000 kg of biofertilizers	SMS As, SMS P.P, SMS Ss
16.1.4	Technology Week	Suitability of high yielding varieties for groundnut, chilli, bajra, sorghum, baby corn, backyard poultry, stunted fingerlings,	2 days	All SMS



**16.2 Technological Products**

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2013-14	Names of the team members involved
16.2.1	Seeds	Sorghum Co(s)-30	4	SMS Ag , SMS HS and FM
		VBN(Bg)-5	2	SMS Ag , SMS HS and FM
		VBN(Bg)-6	2	SMS Ag , SMS HS and FM
		Co-6(GG)	2	SMS Ag , SMS HS and FM
		Co(Cu)-9	10	SMS Ag , SMS HS and FM
16.2.2	Planting materials	Coconut	3000	SMS Horti, and FM
		Mango , sapota graft plants	5000	SMS Horti, and FM
		Subabul	2000	SMS Horti, and FM
		Glyricidia	2000	SMS Horti, and FM
		Casurina	5000	SMS Horti, and FM
		Vegetable seedling in protray	20000	SMS Horti, and FM
		CN-CO-4	100000 numbers	SMS AS and Ag, FM
16.2.3	Bio-products	Azophos	10qtl	SMS (PP) and Lab assistant
		Rhizophos	10qtl	SMS (PP) and Lab assistant
		Potassium solubilizing bacteria	1qtl	SMS (PP) and Lab assistant
		T.viridi	2 qtl	SMS (PP) and Lab assistant
		Pseudomonas fluorescense	2 qtl	SMS (PP) and Lab assistant
		Mushroom spawn	500 pkts	SMS PP,
16.2.4	Livestock strains	NDC-1 chicks	3000	SMS As, FM
		JQNKL-1 chicks	3200	SMS As, FM
		Turkey poults	150	
		Goat kids	10	SMS As, FM
16.2.5	Fish fingerlings	Stunted fingerlings	20000	PA fish, FM

**16.3 Technological Information**

Sl. No	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	04	SMS Ag, Pp, Ss
	Horticulture	02	SMS Horti, PP
	Animal Husbandry	04	SMS As
	Fisheries	02	PA Fisheries
	Agricultural Engineering	02	SMS (H.Sc)
	Home science		
16.3.2	Literature/publication	10	All SMS &PA Fisheries
16.3.4	Electronic Media	Technological Video preparation -5 no.s	SMS Horti, SMS AG, SMS H.Sc, PP, SMS As, LT, FM
16.3.5	Kisan Mobile Advisory Services	1000 farmers	Comp prog, SMS As, Hs, Ag, Horti, PP
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion. (June 2013)	Comp prog, SMS As, Hs, Ag, Horti, PP

**17. Additional Activities Planned during 2013-14**

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	Ministry of Food Processing Industry	Entrepreneurship Development Programme	2 Trainings (each training for 6 weeks )	2 Progm x 2 lakhs = Rs 4 lakhs	SMS H.Sc, SMS A.S, SMS Hort

**18. Revolving Fund****18.1 Financial status**

Opening balance as on 01.04.2012 (Rs.in Lakh)	Expenditure incurred during 2012-13 (Rs.in Lakh)	Receipts during 2012-13 (Rs.in Lakh)	Closing balance as on 31.01.2013 (Rs.in Lakh)	Expected closing balance by 31.12.2013 (Including value of material in stock)
5.23	2.98	2.23	3.0	6.0

**18.2 Plan of activities under Revolving Fund**

S.No.	Proposed activities	Expected output	Approximate expenditure (Rs.)	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Improved poultry chick production	3000	75000	150000	SMS (AS) and FM
18.2.2	Co-4 Fodder slip production	100000	25000	50000	SMS (AS) and FM

18.2.3	Goat kid production	10	12000	30000	SMS (AS) and FM
18.2.4	Paddy seed production under PPP mode	10qtl	15000	25000	SMS (Ag) and SMS (PP)
18.2.5	Blackgram seed production under PPP mode	10 qtl	45000	55000	SMS (Ag) and SMS (PP)
18.2.6	Pearl millet seed production under PPP mode	10 qtl	15000	25000	SMS (Ag) and SMS (PP)
18.2.7	Barnyard millet seed production under PPP mode	2 qtl	6000	7000	SMS (Ag) and SMS (PP)
18.2.8	Sorghum seed production under PPP mode	10 qtl	15000	25000	SMS (Ag) and SMS (PP)
18.2.9	<b>Biofertilizer production</b>				
	Azophos	10 qtl	30000	38000	SMS (PP) and Lab assistant
	Rhizophos	10qtl	30000	38000	SMS (PP) and Lab assistant
	Potassium solubilizing bacteria	1 qtl	3000	3800	SMS (PP) and Lab assistant
18.2.10	<b>Biocontrol agents</b>				
	Pseudomonas	2 qtl	15000	20000	SMS (PP) and Lab assistant
	Trichoderma viridi	2 qtl	15000	20000	SMS (PP) and Lab assistant
	Metarizhium sp.	1 qtl	8000	10000	SMS (PP) and Lab assistant
18.2.11	Vermicompost	100 qtl	60000	80000	SMS (PP) and Lab assistant
18.2.12	Earthworm	0.2 qtl	0	20000	SMS (PP) and Lab assistant

### 19. Activities of soil, water and plant testing laboratory during 2013-14

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	250	SMS SS, SMS Ag
19.2	Water	50	SMS SS
19.3	Plant	20	SMS SS
19.4	Others	20	SMS SS

**20. E-linkage during 2013-14**

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Website updating	Daily	Action plan, Monthly event
20.2	Text SMS and Voice SMS	June 2013	
20.3	District Profile, Weather Details, Crop Production Details	August 2013	
20.4	Trainees and Training database	August 2013	Title wise, area wise and SMS wise

**21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)**

S. No	Activities planned	Remarks if any
21.1		
21.2		

**22. Innovative Farmer's Meet**

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	September
22.3	Brief action plan in this regard	

**23. Farmer's Field School planned**

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Goat rearing	Scientific goat rearing with the emphasis on comprehensive disease control	50000

**24. Budget - Details of budget utilization (2012-13) up to 31 January 2013****(Rs.)**

<b>S. No.</b>	<b>Particulars</b>	<b>Sanctioned</b>	<b>Released</b>	<b>Expenditure</b>
<b>24.1</b>	<b>Recurring Contingencies</b>			
24.1.1	<b>Pay &amp; Allowances</b>	6075000	6075000	6078427
24.1.2	<b>Traveling allowances</b>	150000	150000	149150
24.1.3	<b>Contingencies</b>			
24.1.4.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	340000	340000	337680
<i>I</i>				
<i>B</i>	POL, repair of vehicles, tractor and equipments	300000	300000	296115
<i>C</i>	Meals/refreshment for trainees (@Rs.75/day/trainee for residential and @ Rs.40/day/trainee for non-residential trainings)	80000	80000	79840
<i>D</i>	Training material (need based materials and equipments for conducting the training)	80000	80000	79516
<i>E</i>	Frontline demonstration	330000	330000	328385
<i>F</i>	FLD on special Pulses Programme			
<i>G</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	65000	65000	64255
<i>H</i>	Training of extension functionaries	25000	25000	24500
<i>I</i>	Maintenance of building	25000	25000	24815
<i>J</i>	Extension Activities	25000	25000	24650
<i>K</i>	Farmers' Field School	25000	25000	24865
<i>L</i>	Library (Purchase of Journal, Periodicals, News Paper and Magazines)	5000	5000	4955
<b>24.1</b>	<b>Total Recurring</b>	<b>7525000</b>	<b>7525000</b>	<b>7517153</b>
<b>24.2</b>	<b>Non-Recurring Contingencies</b>			
24.2.1	<b>Works</b>			
24.2.2	<b>Equipments including SWTL &amp; Furniture</b>			
24.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
24.2.4	<b>Library</b>			
<b>24.2</b>	<b>Total Non Recurring</b>			
<b>24.3</b>	<b>REVOLVING FUND</b>	<b>7525000</b>		<b>7517153</b>
<b>24.4</b>	<b>GRAND TOTAL (A+B+C)</b>			

**25. Details of Budget Estimate (2013-14) based on proposed action plan**

<b>S. No.</b>	<b>Particulars</b>	<b>BE 2013-14</b>
<b>24.1</b>	<b>Recurring Contingencies</b>	
24.1.1	<b>Pay &amp; Allowances</b>	7290000
24.1.2	<b>Traveling allowances</b>	200000
24.1.3	<b>Contingencies</b>	
24.1.4	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	600000
<i>A</i>		
<i>B</i>	POL, repair of vehicles, tractor and equipments	400000
<i>C</i>	Meals/refreshment for trainees (@Rs.75/day/trainee for residential and @ Rs.40/day/trainee for non-residential trainings)	200000
<i>D</i>	Training material (need based materials and equipments for conducting the training)	200000
<i>E</i>	Frontline demonstration	456190
<i>F</i>	FLD on special Pulses Programme	0
<i>G</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	72040
<i>H</i>	Training of extension functionaries	50000
<i>I</i>	Maintenance of building	50000
<i>J</i>	Extension Activities	50000
<i>K</i>	Farmers' Field School	50000
<i>L</i>	Library (Purchase of Journal, Periodicals, News Paper and Magazines)	10000
<b>24.1</b>	<b>Total Recurring</b>	9628230
<b>24.2</b>	<b>Non-Recurring Contingencies</b>	
24.2.1	<b>Works</b>	
24.2.2	<b>Equipments including SWTL &amp; Furniture</b>	
24.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	
24.2.4	<b>Library</b>	
<b>24.2</b>	<b>Total Non Recurring</b>	
<b>24.3</b>	<b>REVOLVING FUND</b>	9628230
<b>24.4</b>	<b>GRAND TOTAL (A+B+C)</b>	9628230