

PART I - GENERAL INFORMATION ABOUT THE KVK**1.1. Name and address of KVK with phone, fax and e-mail**

KVK Address	Telephone		Email	Web Address
	Office	Fax		
Senior Scientist and Head ICAR Krishi Vigyan Kendra Kilnelli village, Chithathur post, Vembakkam Taluk, Tiruvannamalai-604410	04182-201525, 293484	-	kvktvmalai91@ gmail.com	www.kvkthiruvannamalai.com

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

Host org. Name	Telephone		Email	Web Address
	Office	Fax		
The President, Tamil Nadu Board of Rural Development, No.24, Crescent park street, T.Nagar, Chennai-17	04424361319	04423461319	tnbrd1978@ gmail.com	-

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.R.Marimuthu	-	9443729789	ammulalithama@gmail.com

1.4. Year of sanction : May - 1991 (No.5(108)/90-KVK Dt. 28.03.1991

1.5. Staff Position (as 31st March 2016)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist and Head	Dr.R.Marimuthu	Senior Scientist and Head	M	Agronomy	Ph.D.,	37400/-	23.04.2014	Permanent	OBC
Pay scale : 15600 – 39100 + GP 5400/-										
2	Subject Matter Specialist	Mr.N.Rameshraj	SMS	M	Horticulture	<i>M.Sc(Ag.) Hort..</i>	23270/-	04.07.2003	Permanent	OBC
3	Subject Matter Specialist	Mrs.T.Margaret	SMS	F	Home Science	<i>M.Sc, M.phil</i>	23270/-	04.07.2003	Permanent	OBC
4	Subject Matter Specialist	Mr.P.Narayanan	SMS	M	Plant Protection	<i>M.Sc(Plant protection)</i>	15600/-	08.01.2014	Permanent	OBC
5	Subject Matter Specialist	Vacant	Vacant	-	Animal Science	-	-	-	-	-
6	Subject Matter Specialist	Mr.V.Suresh	SMS	M	Agri. Extension	<i>M.Sc(Agri. Extn.)</i>	15600/-	20.01.2014	Permanent	OBC
7	Subject Matter Specialist	Mr.P.Rajesh	SMS	M	Agronomy	<i>M.Sc(Ag.)</i>	15600/-	20.01.2014	Permanent	OBC
Pay scale : 9300-34800 + GP 4200/-										
8	Programme Assistant – T4	Mr.O.Sekar	Comp. programmer	M	-	<i>B.Sc, PGDCA</i>	19170/-	01.09.1997	Permanent	OBC
9	Farm manager	Vacant	Vacant	-	Farm Manager	-	-	-	-	-
10	Programme Assistant – T4	Vacant	Vacant	-	Lab Technician	-	-	-	-	-
11	Assistant	Mrs.M.Viji	Assistant/ Accountant	F	-	M.Com.,	20060/-	01.02.1993	Permanent	OBC

Pay scale : 5200-20200 + GP 2400/-										
12	Jr. Stenographer Grade - III	Mrs.A.K.Geetha	Stenographer	F	-	B.Com, DCA	12360/-	01.10.1997	Permanent	OBC
Pay scale : 5200-20200 + GP 2000/-										
13	Driver	Mr.S.Janarthanan	Driver cum Mechanic	M	-	8th	10220/-	01.09.1993	Permanent	OBC
14	Driver	Mr.T.Selvaraj	Driver cum Mechanic	M	-	9th	10060/-	01.01.1996	Permanent	OBC
Pay scale : 5200-20200 + GP 1800/-										
15	Supporting staff	Mr.T.Varadhan	Supporting staff	M	-	5th	8810/-	01.02.1994	Permanent	OBC
16	Supporting staff	Mr.G.Selvam	Supporting staff	M	-	5th	8810/-	01.07.1995	Permanent	OBC

1.6. Total land with KVK (in ha)

S.No	Item	Area (ha)
a.	Under building	2.0
b.	Orchard/Agro-forestry	1.6
c.	Under Crops	9.0
d.	Under Demonstration Units	3.2
e.	Others	4.2
Total		20.0

1.7 Infrastructural Development:

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1997	696	25,34,244.00	Not applicable		
2.	Farmers Hostel	ICAR	1998	305	14,96,643.00			
3.	Staff Quarters							
	1. SMS quarters	ICAR	1997	390	13,42,350.00			
	2. Assistant Quarters	ICAR	1998	300	9,00,000.00			
4.	Demonstration Units							
	1. Animal shed	ICAR	1997	145.0	173384.05			
	2. Poultry shed	ICAR		29.2	88793.75			
	3. Goat shed	ICAR		22.1	88793.75			
	4. Mushroom shed	ICAR		24.7	96797.35			
	5. Workshop	ICAR		65.79	181236.25			
5	Fencing	ICAR		6407.3 Meter	5,58,765.00			
6	Threshing floor	ICAR		270.8	2,92,757.00			
7	Vehicle shed	ICAR	1996	80.4	192764.00			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms./hrs Run	Present status
Jeep : TN-09 AF – 0775	2004	4,82,356/-	214115	Need to be replaced
MF Tractor & Trailer : TN-25 AX 1058	2012	5,70,000/-	928.6	Good
Hero Honda : TN-09 AP 4662	2006	36,890/-	71868	Need to be replaced
Hero Honda passion plus : TN-25 S 0563	2009	49,476/-	59171	Good

C) Equipments & AV aids

Sl. No.	Name of the equipment	Cost (Rs.)	Year of purchase	Present status
1	Table 3x2 sunmica KG-18 with godrej lock	15000	9/15/1993	Good
2	Steel Almirah 5.5 ft. Green colour	2750	9/15/1993	Good
3	Steel Almirah 6.5 ft. Green colour	15200	9/15/1993	Good
4	Wodden table with cup-board L shape	5500	11/20/1993	Good
5	Wodden table with cup-board L shape	6200	11/20/1993	Good
6	Wodden Teapoy 5x2 ft.	1750	11/20/1993	Good
7	Wodden cupboard	3300	11/20/1993	Good
8	Wodden bodium	1100	11/20/1993	Good
9	Wodden Mica table 6x3 and 4x4 (2)	16400	3/24/1994	Good
10	Table 3x2 sunmica KG-18 with godrej lock	12000	6/22/1994	Good
11	Full arm chair KG-18	10500	6/22/1994	Not in use
12	White Board	4250	2/22/1995	Not in use
13	Glass Board	5090	2/22/1995	Not in use
14	Dining table 5x3 with 4 chairs	7000	3/7/1995	Good
15	Wooden cot with bed	5500	3/7/1995	Good
16	Polymer chairs-CH 23 type	285000	3/7/1995	Good
17	Screen 8 x 8	6500	10/14/1995	Good
18	Xerox Machine IR-1600 - Canon	74000	7/9/2004	Good
19	Steel cot super size 6 x 4 ft	33880	9/25/2004	Good
20	Steel dining table 5 x 2 x 2.5 ply wood top	16120	9/25/2004	Good
21	Iron rack	3500	3/1/2005	Good
22	LPG Double Burner stove (friendly)	1262	3/1/2005	Good
23	Revolving stool	565	3/8/2005	Good
24	Digital Conductivity meter	10444	3/10/2005	Good
25	Shaker	49994	3/10/2005	Good
26	Hot air oven - Guna Make	15033	3/10/2005	Good
27	Hot plat - Sunbim Make	24998	3/10/2005	Good
28	Refrigerator - Whirlpool	19998	3/10/2005	Good
29	Scanning Visible Spectro photometer Model SL177	60300	3/17/2005	Good
30	Grinder - NACLE - 65mm x 25mm motor - 1/4 HP Stainless Steel	30009	3/23/2005	Good
31	Electronic balance - AUY 220, Capacity: 20 gms	100242.5	3/26/2005	Good
32	5 KVA Electronic Servo Voltage Stabilizer with High/Low Voltage cut off	9008	3/30/2005	Good
33	Teak plywood table 6 x 2.5 x 2.5 ft-8 x 2.5 x 2.5 ft	86280	1/3/2006	Good
34	Jolapur Bed Spread	8700	1/28/2006	Good
35	Jolapur Bed Sheet	5600	1/28/2006	Good
36	LCD-Panasonic Projector	55000	3/22/2007	Good
37	Air Condition-Onida 1.5 t	0	9/19/2008	Good
38	Computer Tables	0	9/19/2008	Good
39	Printer Tables	0	9/19/2008	Good
40	Chairs	0	9/19/2008	Good
41	Desk Top Computers with 104 key board, Optical mouse-Monitor-17" TFT LCD-SVGA	0	2/17/2009	Not in use
42	Server with 104 key board, Optical mouse-Monitor-17" MPR II	0	2/17/2009	Not in use
43	UPS-3KVA-APC	0	2/17/2009	Good

44	Batteries	0	2/17/2009	Good
45	UPS-650 VA-APC	0	2/17/2009	Not in use
46	Dot Matrix Printer-TVS-245	0	2/17/2009	Not in use
47	Switch-DAX 24 port	0	2/17/2009	Not in use
48	Laser Printer-Hp LJ 1505	0	2/17/2009	Good
49	Scanner-Hp BJJ3110	0	2/17/2009	Good
50	Fax Machine -Samsung - SCX 4521F	15000	9/3/2009	Good
51	V SAT Antenna-1.8 M Prodelin antenna	0	9/9/2009	Not in use
52	VIASAT Linkstar IDU-C-Band-5 watt-ODU with External PSU & cable	0	9/9/2009	Not in use
53	Pruning saw heavy duty	3474	2/18/2010	Good
54	Lopping shear	1283	2/18/2010	Good
55	Secature	1624	2/18/2010	Good
56	Hedge shear	770	2/18/2010	Good
57	Garden tools	386	2/18/2010	Good
58	Trowel	105	2/18/2010	Good
59	Garden hoe	565	2/18/2010	Good
60	Garden fork with steel handle	291	2/18/2010	Good
61	Leaf rabe with handle	291	2/18/2010	Good
62	Grass knife	410	2/18/2010	Good
23	Waterring cane-10 lit.-Rosecane	822	2/18/2010	Good
64	Wareerring cane-5 lit.-Rosecane	326	2/18/2010	Good
65	Pattero shower-5	239	2/18/2010	Good
66	Fan shower	239	2/18/2010	Good
67	Hand saw	239	2/18/2010	Good
68	Secature-Geneo	445	2/18/2010	Good
69	Secature-Agri	326	2/18/2015	Good
70	Portable Generator --Birla Ecogen-EG 3000 AS Model	77520	3/9/2010	Good
71	Inverter-Usha Zentra digital-1400 VA with Tubular battery SR-2 Nos	27500	3/9/2010	Good
72	Rotavator-Model:36/30	60320	3/25/2010	Good
73	Tope-Round Vessel-10 G-6.700 kg	1045	6/8/2010	Good
74	Tope-Round Vessel-10 G-17.060 kg (52-60")	2750	6/8/2010	Good
75	Kaivadi Big Vegetable stainer-1.400 kg	532	6/8/2010	Good
76	Vegetable Kothu-SS 2.800 kg	700	6/8/2010	Good
77	Milk cane-SS-1.480 kg	385	6/8/2010	Good
78	Bucket- Satha-SS-1.580 kg	253	6/8/2010	Good
79	MS Jarnee-MS-2.060 kg	134	6/8/2010	Good
80	MS Stand-Fire wood Stove stand-16.080 kg	1045	6/8/2010	Good
81	Jug-water	540	6/8/2010	Good
82	Prestige Pressure cooker-20 lit.	3770	6/19/2010	Good
83	Wet Grinder-Jumbo Junior 6" Plate grinding machine with stand, 1.5 HP single phase motor	12540	7/5/2010	Good
84	72 x 48 x 4 " Inch Cushion Double Bed Mattress	76608	8/5/2010	Good
85	72 x 36 x 4 " Cushion Mattress	29352	8/5/2010	Good
86	Pillow	10000	8/5/2010	Good
87	Bed spread	20000	8/5/2010	Good
88	VST-Sakthi Power tiller-130DI with CT85 fitted diesel engine	148190	8/13/2010	Good
89	Prestige mixture Grinder 3 Jar	3465	2/17/2011	Good
90	Idly Pannai - Small	495	2/26/2011	Good

91	Tabara with lid	555	2/26/2011	Good
92	Iron Kadai	400	2/26/2011	Good
93	Hot pack	1300	2/26/2011	Good
94	Public Address system - Ahuja PS x 1200 Amplifier Speaker	10860	3/11/2011	Good
95	Public Address system - Ahuja AW 490 VHL Cordless dual mike	2513	3/11/2011	Good
96	Ahuja SRX 50 x T Speaker box	5587	3/11/2011	Good
97	LED monitor-Dell	6900	3/11/2011	Good
98	DVD Player-Sony-SR700H	4050	3/11/2011	Good
99	BPL-SMX- 1606 EPABX-16 ports with time delay voltage stabilizer, PVC cable	48099	3/19/2011	Good
100	BPL phone	1945	3/19/2011	Good
101	Deep Freezer-110 lit capacity (-200C)-ELANPRO	31500	3/31/2012	Good
102	Refrigerated Centrifuge (Centrifuge tube two types 1.Rotor 2. Ependof) 20000 RPM speed-RCF37570 - 8 to 400C-Remi with Rotor	198500	3/31/2012	Good
103	Vacuum desiccators-Made 3.3 low expansion Borosilicate Glass	5000	3/31/2012	Good
104	Hot air oven-Double walled chamber	30000	3/31/2012	Good
105	Water distillation units-Double still-Double stage lower boiler	90000	3/31/2012	Good
106	Laminar Air flow chamber- Clean air model	57250	3/31/2012	Good
107	BOD Incubator - Horizontal - Capacity : 6 Cubic feet.-Lark	74425	3/31/2012	Good
108	Vortex mixer - 200-2800 RPM variable speed	3738	3/31/2012	Good
109	D.O Meter - Range 0-20 ppm, 0-600C	8400	3/31/2012	Good
110	Digital pH Meter - Range -2.00 to 16.00pH	9450	3/31/2012	Good
111	Digital Colony counter - 5 digit, Size 110mm dia	5000	3/31/2012	Good
112	Thermo hygrometer - Range 0-100 %	1312	3/31/2012	Good
113	Digital moisture meter-VFD Display, Capacity 100gm,	86000	3/31/2012	Good
114	Microscope with stand - Lens dia 145 mm,	5250	3/31/2012	Good
115	UV rays chamber - UV lamp long wave length 365nm	6875	3/31/2012	Good
116	Magnetic stirrer-Fitted with Pilot lamps, Variable speed stirring.	4095	3/31/2012	Good
117	Brix meter-0-45 %	3500	3/31/2012	Good
118	Brix meter-45 to 85 %	3500	3/31/2012	Good
119	Phase contrast microscope-Antifungal and anti reflection	57000	3/31/2012	Good
120	Dissection microscope-ISI standard with movable condenser	1575	3/31/2012	Good
121	Water bath - Tank-Double walled chamber with thermo stat	4725	3/31/2012	Good
122	Autoclave - Vertical -2000 Watage	52300	3/31/2012	Good
123	Stereo zoom microscope - Digital imaging systems	103050	3/31/2012	Good
124	10 KVA Wide range single phase electronic servo voltage stabilizer	21755	3/31/2012	Good
125	Whirlpool Air Conditioner split 1.5 ton 5 Star with stabilizer	33000	3/31/2012	Good
126	IFB Microwave oven-20 lits. Capacity	4500	3/31/2012	Good

1.8. Details SAC meeting conducted in 2015-16 : -

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	-	-	-	-	-

PART II - DETAILS OF DISTRICT

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

Farming Situation	Farming System
Irrigated	Paddy - Paddy (Irrigated)
Irrigated	Paddy-Groundnut - vegetables
Rainfed	Groundnut-Pulses
Irrigated	Vegetable-Vegetables

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

Agro ecological situation	Characteristics
Eastern ghats-(TN uplands) and Deccan plateau	Hot semi arid eco region with red loamy soils

Agro-climatic Zone	Characteristics
North Eastern Zone, Viruthachalam	The Mean average temperature is 28.62°C. Hot during summer (35 - 37°C. Cool during winter periods (24 -26°C. The temperature regime is hyper thermic

2.3 Soil types

Sl.No.	Soil type	Characteristics	Area(ha)
1	Red Loam	The texture varies from sand to clay and the majority being loam. Porous and friable structure, absence of lime free from carbonates	78256
2	Red sandy loam	Contain enough clay materials, dominated by sand particles, having visible particles and having very gritty structure	63160
3	Black Loamy	Consist of mixture of sand clay and decaying organic matter having high nutritive value	18793

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

Crop	Area (ha)	Production (Tonnes)	Productivity (kg/ha)
Paddy	131650	654958	7420
Groundnut	76510	225168	2940
Sugarcane	17520	1401600	80000
Redgram	3213	2567	799
Blackgram	17713	6943	392
Greengram	2354	1883	800
Gingelly	1456	867	595
Sunflower	6129	12258	2000
Cotton	761	2132	2802
Cumbu	590	689	1168

Maize	1053	6458	6133
Brinjal	284	3021	10637
Tomato	124	1496	12065
Bhendi	308	2679	8698
Chillies	481	210	437
Turmeric	1246	6826	5478
Banana	3205	140041	43695
Mango	631	168	266

2.5. Weather data

Month	Rainfall (mm)	Temperature		Relative Humidity (%)
		Temp(Max)	Temp(Min)	
April	114.66	34	32	69
May	62.5	35	31	62
June	81.31	35	30	68
July	92.11	36	32	70
August	177.27	37	32	72
September	124.86	34	30	69
October	127.3	34	30	66
November	325.92	33	29	61
December	142.03	32	29	72
January	8.97	31	28	76
February	0	30	26	82
March	0	30	26	79

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

Category	Population	Population Unit	Production	Production Unit	Productivity	Productivity Unit
Cross breed-Exotic	480704	Nos.	3297000	Nos.	6.86	Lits/day
Indigenous	236632	Nos.	317000	Nos.	1.34	Lits/day
Buffaloes	22686	Nos.	104355	Nos.	4.3	Lits/day
Sheep	366752	Nos.	424140	Nos.	0	-
Goat	272823	Nos.	341440	Nos.	0	-
Pigs	5979	Nos.	17200	Nos.	0	-
Poultry	501552	Nos.	8834000	Nos.	0	-

2.7 District profile has been prepared and submitted Yes / No : Yes

2.8 Details of Operational area / Villages

Taluk Name	Hobli/Block Name	Village Name	How long the village is covered under operational area of the KVK	Major Crops	Major Problems	Identified Thrust Area
Arni	Arni	Ariyapadi	2 Years	Paddy, Millets, Brinjal and Chillies	Imbalanced nutrition, Low yield	Integrated Nutrient Management
Arni	Arni	Panaiyur	2 Years	Poultry	Ranikhet disease	Integrated Disease Management
Chengam	Chengam	Periyakolapadi	1 Year	Groundnut, Tomato, Jasmine	Improper cultivation practices, Low yield, High expenditure, Poor quality seedlings	Integrated Crop Management
Vandavasi	Theallar	Desur	3 Years	Paddy, Sugarcane, Blackgram, Bittergourd, Snake gourd	Improper cultivation practices, Nutrient deficiency, Low yield	Integrated Crop Management
Polur	Polur	Kattukkanallur	3 Years	Paddy, Banana, Turmeric, Brinjal	Shortage of quality seed rhizome, Low yield, Improper nutrition	Integrated Crop Management
Polur	Polur	Reddithoppu	2 Years	Paddy, Sugarcane, Banana, Turmeric	Imbalanced nutrition, Low yield	Integrated Nutrient Management
Vandavasi	Theallar	Achamangalam	3 Years	Paddy, Groundnut, Blackgram, Chillies	Insufficient planting materials, Poor yield, Improper cultivation practices	Integrated Crop Management
Polur	Polur	Pallakollai	2 Years	Paddy, Banana, Sugarcane	Imbalanced nutritional practices, Low yield	Integrated Nutrient Management
Arni	Arni	Sathuperipalayam	1 Year	Paddy, Flowers and Fruit crop	Inadequate knowledge on IFS	Integrated Farming System

Vandavasi	Theallar	Mettukudisai	2 Years	Paddy, Groundnut, Vegetables	Improper plant protection methods, Low yield	Integrated Pest Management
Arni	West Arni	Ammapalayam	1 Year	Paddy, Banana, Turmeric, Vegetables	Improper cultivation aspects, Poor yield, Quality Seed rhizome	Integrated Crop Management
Arni	West Arni	Ramanathapuram	3 Years	Banana, Paddy, Sugarcane, Vegetables	Poor control of disease, Low yield, Improper cultivation practices	Integrated Crop Management
Chengam	Chengam	Veppurchekkadi	2 Years	Tomato, Blackgram, Groundnut, Paddy, Watermelon	Poor yield, Improper cultivation practices, Problem of severe pest and diseases	Integrated Crop Management
Vandavasi	Theallar	Kodayankuppam	3 Years	Vegetables, Paddy, Blackgram	Poor yield, Inadequate knowledge on IPM practices	Integrated Crop Management

2.8.1 Priority thrust areas

- Integrated crop management practices.
- Integrated Nutrient and weed Management
- Farm Mechanization
- Demonstration of high yielding varieties /hybrids
- Growth regulators application in Vegetable crops
- Scientific nursery management in vegetable crops
- Integrated Pest and disease management
- Organic farming
- Post harvest management
- Integrated Farming System
- Scientific livestock farming
- Value addition, Drudgery reduction

PART III - TECHNICAL ACHIEVEMENTS**3.A. Details of target and achievements of mandatory activities**

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
3	3	19	19	13	12	139	134

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
122	116	2430	1316	389	455	2500	3654

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
5.5	7.64	6500	13960

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
1100	326	70	850

3B.1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions											
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (QtL)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products		
													No.	Kg	
1	ICM	Paddy	Severe water logging and algal growth, Leaf browning and drying, Poor tillering, Patchy growth, Leaf scorching, Stunted growth	Assessment of paddy varieties for saline soils	-	1	-	-	-	-	Paddy seeds- TRY 3-0.43, CSR23-0.58, VTL-0.76	-	-	-	-
		Sugarcane	Poor yield, Usage of old variety, Imbalanced nutrition	-	-	1	-	-	-	-	-	-	-	-	-
2	Weed management	Paddy	Weed menace	-	-	1	-	-	-	-	-	-	-	-	
		Groundnut	Weed menace	-	-	2	-	-	-	-	-	-	-	-	
3	Mechanization	Groundnut	Labour cost, non availability of farm labours, less knowledge on farm mechanization	-	Mechanization in groundnut	1	-	-	4	-	-	-	-	-	

4	INM	Groundnut	Imbalanced nutrient management, Poor yield	-	-	1	-	-	-	-	-	-	-	-
		Cucurbit, Tomato, Brinjal, Chilli	Imbalanced nutrition	-	-	4	-	-	2	-	-	-	-	-
5	Seed production	Groundnut	Usage of traditional variety, Inadequate supply	-	-	1	-	-	-	-	-	-	-	-
6	Varietal evaluation	Sesame	Cultivation of old variety, Low yield, Sterility Mosaic disease incidence	-	Demonstration of TMV(SV)7	1	-	-	3	TMV(SV)-7 : 0.25	-	-	-	<i>Trichoderma viride</i> -13
		Blackgram & Greengram	Cultivation of old variety, Severe incidence YMV Poor yield	-	Demonstration of COGg8	1	-	-	4	CO(Gg)8-1.05	-	-	-	Rhizobium CRM6-2.6, <i>Trichoderma viride</i> -13,
7	Varietal evaluation & ICM	Millet	Use of own seed, Poor tillering, high blast incidence, Poor yield	Assessment of performance of finger millet under rainfed condition	Demonstration of CO4 little millet under rainfed condition	2	-	-	6	Finger Millet: GPU67-0.07, CO15-0.07, Little Millet seed: CO4- 0.65	-	-	-	<i>Azospirillum</i> -15.8, <i>Phosphobacteria</i> -2.8, <i>P. fluorescence</i> -13

8	Organic farming	Field crops	Indiscriminate usage of fertilizers, Cost of fertilizers, Reduction in soil microbes	-	-	1	-	-	-	-	-	-	-	-
		Vegetables	Indiscriminate use of pesticides and fertilizers	-	-	1	-	-	2	-	-	-	-	Vermicompost-100
9	INM-Soil fertility	Field crops	Imbalanced nutrient management, Poor yield	-	-	1	-	-	-	-	-	-	-	-
10	Nursery management	Vegetables	Poor quality seedlings and field establishment	-	-	2	-	-	3	-	-	-	-	<i>Trichoderma viride-51</i>
11	ICM, Varietal demonstration	Brinjal, chillies, Water melon, Ridge Gourd, Bittergourd	Lack of adoption of improved production technologies	Assessment of chilli hybrids	ICM in ridge gourd, ICM in water melon	6	-	-	4	Seeds: CO(CH)1-0.0014, Arka Meghana-0.0014	-	-	-	<i>Trichoderma viride-82,</i>
12	High Density Planting	Banana	Lack of knowledge on improved planting methods	-	-	1	-	-	1	-	-	-	-	-

13	IPDM	Paddy	Lack of awareness on pest and disease management practices	-	IPDM in paddy	6	-	-	26	-	-	-	-	<i>Pseudomonas fluorescence</i> - 10	
		Pulses	Lack of knowledge on storage pests management	-	-	2	-	-	5	-	-	-	-	-	-
		Groundnut	Sever incidence of root rot, rust and tikka diseases	-	-	2	-	-	18	-	-	-	-	-	-
		Sugarcane	Yield loss due to sever incidence of borer	-	-	2	-	-	4	-	-	-	-	-	-
		Cotton	Yield loss due to Root rot (complete wilting of plants)	-	Demonstration on management of cotton root rot disease	1	-	-	4	-	-	-	-	-	<i>Bacillus subtilis</i> -20, <i>Pseudomonas</i> -20, <i>Trichoderma viride</i> -20
IPDM	Brinjal	Incidence of shoot & fruit borer and little leaf, Blight, Low yield	-	-	2	-	-	10	-	-	-	-	-	-	
	Turmeric	Leaf spot and rhizome rot	-	Management of leaf spot disease in turmeric	2	-	-	7	-	-	-	-	-	<i>Pseudomonas fluorescence</i> - 10	
	Snakegourd	Fruit fly, Sucking pests	-	-	1	-	-	3	-	-	-	-	-	-	

		Tomato	Incidence of Fruit borer, Leaf curl, Lack of location specific hybrids	-	-	1	-	-	11	-	-	-	-	-
		Banana	Sever yield loss due to wilt, rot, sigatokka leaf spot and pests	-	-	1	-	-	9	-	-	-	-	-
14	Feed and fodder management	Fodder	Lack of awareness on Green fodder, Poor milk yield, Low economic return	-	Demonstration of fodder sorghum COFS31	2	-	-	4	COFS31-0.10	-	-	-	-
15	Dairy management	Cow	Mastitis, Lack of awareness on newly released technologies	-	-	2	-	-	5	-	-	-	-	-
16	Animal Nutrition management	Small ruminants	Pica, Stunted growth, Less conception, Early abortion, Worm infestation	-	Demonstration of mineral block in small ruminants	2	-	-	3	-	-	-	-	-
17	Scientific livestock farming	Livestock	Poor adoption of scientific mgt. techniques	-	-	1	-	-	-	-	-	-	-	-
18	Nutritional garden	Vegetable	Poor utilization of waste water and Lack knowledge on nutritive value	-	Demonstration on Nutritional garden at school	1	-	-	5	Seed kit-0.005	-	-	-	<i>Trichoderma viride-5</i>

19	Value addition	Field crops	Low market price and Lack knowledge on value addition	-	-	7	-	-	-	-	-	-	-	-	
		Fruits and vegetables	Low market price and Lack knowledge on value addition	-	-	3	-	-	-	-	-	-	-	-	-
		Milk	Low market price and Lack knowledge on value addition	-	-	1	-	-	-	-	-	-	-	-	-
		Mushroom	Lack of awareness on cultivational practices	-	-	2	-	-	1	-	-	-	-	-	-
		Bakery	Lack knowledge on bakery techniques	-	-	1	-	-	-	-	-	-	-	-	-
20	Capacity building	Farmers club	Poor knowledge on newly released varieties and techniques	-	-	1	-	-	-	-	-	-	-	-	

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/ enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others – Extension Activities
1	2	3	4	5	6	7	8
1	Integrated Crop Management	TNAU, CSSRI, KAU	Paddy	1	-	-	-
2	Integrated Crop Management	TNAU	Little millet	-	1	1	4
3	Integrated Crop Management	TNAU	Sugarcane	-	-	1	-
4	Integrated weed management	TNAU	Paddy	-	-	1	-
5	Integrated weed management	TNAU	Groundnut	-	-	2	-
6	Mechanization	TNAU	Groundnut	-	1	1	4
7	Integrated Nutrient management	TNAU	Groundnut	-	-	1	-
8	Integrated Nutrient management	TNAU	Paddy, Pulses	-	-	2	-
9	Seed production	TNAU	Groundnut	-	-	1	-
10	Varietal evaluation	TNAU	Sesame	-	1	1	3
11	Varietal evaluation	TNAU	Greengram	-	1	1	4
12	Varietal evaluation	TNAU, UAS	Finger millet	1	-	1	2
13	Organic farming	TNAU	Field crops	-	-	1	-
14	Nursery management	TNAU	Vegetables	-	-	2	3
15	Integrated Crop Management	TNAU, IIHR	Brinjal, chillies, Water melon, Ridge Gourd, Biitergourd	1	2	6	4
16	Integrated Nutrient Management	TNAU, IIHR	Cucurbits, Tomato, Brinjal, Chilli	-	-	4	2

17	High Density Planting	TNAU, NRCB	Banana	-	-	1	1
18	Organic farming	TNAU	Vegetables	-	-	1	2
19	Integrated Pest and Disease Managment	TNAU	Paddy	-	1	6	26
20	Integrated Pest and Disease Managment	TNAU & NCIPM	Pulses	-	-	2	5
21	Integrated Pest and Disease Managment	TNAU	Groundnut	-	-	2	18
22	Integrated Pest and Disease Managment	TNAU	Sugarcane	-	-	2	4
23	Integrated Pest and Disease Managment	TNAU & CICR	Cotton	-	1	1	4
24	Integrated Pest and Disease Managment	TNAU & IIHR	Brinjal	-	-	2	10
25	Integrated Pest and Disease Managment	TNAU	Turmeric	-	1	2	7
26	Integrated Pest and Disease Managment	TNAU	Snakegourd	-	-	1	3
27	Integrated Pest and Disease Managment	TNAU	Tomato	-	-	1	11
28	Integrated Pest and Disease Managment	TNAU	Banana	-	-	1	9
29	Feed and fodder managment	TANUVAS	Fodder	-	1	2	4
30	Dairy management	TANUVAS	Cow	-	-	2	5
31	Animal Nutrition managment	TANUVAS	Small ruminants	-	1	2	3
32	Scientific livestock farming	TANUVAS	Livestock	-	-	1	-
33	Nutritional garden	TNAU	Vegetable	-	1	1	5
34	Value addition	TNAU	Field crops	-	-	7	-
35	Value addition	TNAU	Fruits and vegetables	-	-	3	-
36	Value addition	TANUVAS	Milk	-	-	1	-
37	Income Generation	TNAU	Mushroom	-	-	2	1
38	Value addition	TNAU	Bakery	-	-	1	-
39	Capacity building	-	Farmers club	-	-	1	-

3.B2 contd...

S. No	No. of farmers covered															
	OFT				FLD				Training				Others –Extension activities			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	7	6	7	6	0	0	8	2	2	0
3	0	0	0	0	0	0	0	0	16	0	3	0	0	0	0	0
4	0	0	0	0	0	0	0	0	10	2	2	2	0	0	0	0
5	0	0	0	0	0	0	0	0	18	6	6	9	0	0	0	0
6	0	0	0	0	9	0	4	0	16	2	1	0	6	2	0	0
7	0	0	0	0	0	0	0	0	8	0	12	5	0	0	0	0
8	0	0	0	0	0	0	0	0	14	1	13	5	0	0	0	0
9	0	0	0	0	0	0	0	0	14	4	5	0	0	0	0	0
10	0	0	0	0	8	5	0	0	15	0	0	0	5	2	0	0
11	0	0	0	0	13	0	0	0	25	0	0	0	3	1	0	0
12	7	0	0	0	0	0	0	0	5	14	0	0	8	2	0	0
13	0	0	0	0	0	0	0	0	13	2	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	28	0	0	0	50	10	4	0
15	6	1	0	0	25	0	0	0	81	12	0	0	80	20	18	0
16	0	0	0	0	0	0	0	0	57	5	0	2	36	5	1	0
17	0	0	0	0	0	0	0	0	18	2	1	0	21	2	0	1
18	0	0	0	0	0	0	0	0	20	1	1	0	46	4	1	1

19	0	0	0	0	10	0	0	0	97	2	2	0	87	9	0	0
20	0	0	0	0	0	0	0	0	15	9	15	0	8	1	0	0
21	0	0	0	0	0	0	0	0	33	3	0	0	22	4	2	0
22	0	0	0	0	0	0	0	0	33	1	0	0	17	3	0	0
23	0	0	0	0	9	1	0	0	17	6	0	0	4	2	0	0
24	0	0	0	0	0	0	0	0	37	4	3	0	13	4	8	0
25	0	0	0	0	10	0	0	0	31	2	0	0	29	2	1	0
26	0	0	0	0	0	0	0	0	15	0	0	0	5	1	0	0
27	0	0	0	0	0	0	0	0	0	0	17	0	8	0	1	0
28	0	0	0	0	0	0	0	0	12	5	2	2	26	4	1	0
29	0	0	0	0	10	0	0	0	29	2	0	0	6	2	1	0
30	0	0	0	0	0	0	0	0	33	2	0	0	5	1	0	0
31	0	0	0	0	12	0	0	0	14	28	0	0	7	2	0	0
32	0	0	0	0	0	0	0	0	19	0	1	0	0	0	0	0
33	0	0	0	0	5	0	0	0	0	0	10	6	296	130	0	0
34	0	0	0	0	0	0	0	0	62	50	10	28	0	0	0	0
35	0	0	0	0	0	0	0	0	49	10	4	6	0	0	0	0
36	0	0	0	0	0	0	0	0	5	20	0	1	0	0	0	0
37	0	0	0	0	0	0	0	0	21	4	1	0	41	0	0	0
38	0	0	0	0	0	0	0	0	0	0	11	14	0	0	0	0
39	0	0	0	0	0	0	0	0	13	10	0	0	0	0	0	0
Total	17	2	0	0	111	6	11	6	900	215	121	80	837	215	40	2

PART IV - On Farm Trial**4.A1. Abstract on the number of technologies assessed in respect of crops**

Thematic areas	Cereals	Oilseeds	Puls	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	-	-	-	1	-	-	-	-	2
Resource Conservation Technology	1	-	-	-	-	-	-	-	-	1
Total	2	-	-	-	1	-	-	-	-	3

4.A2. Abstract on the number of technologies refined in respect of crops : Nil

4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises : Nil

4.A4. Abstract on the number of technologies refined in respect of livestock enterprises : Nil

4.B. Achievements on technologies Assessed and Refined**4.B.1. Technologies Assessed under various Crops**

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
INM	-		-	-	-
Varietal Evaluation	Chillies	Varietal Assessment for higher productivity in chillies	7	7	0.2
	Finger millet	Assessment of performance of finger millet under irrigated condition	7	7	0.2
Resource Conservation technology	Paddy	Assessment of paddy varieties for saline soils	5	5	0.2
Total	-	-	19	19	-

4.B.2. Technologies Refined under various Crops : Nil

4.B.3. Technologies assessed under Livestock and other enterprises : Nil

4.B.4. Technologies Refined under Livestock and other enterprises : Nil

4.C1. Results of Technologies Assessed

Results of On Farm Trial

A. Agronomy

1. Assessment of paddy varieties for saline soils

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rabi	Saline soil	Assessment of paddy varieties for saline soils	5	TO1: Cultivation of Paddy ADT37	<ul style="list-style-type: none"> ▪ Yield/Q/ha ▪ Plants-Nos./Sqm ▪ Tillers-Nos./Plant 	49.92	TO 3 resulted in 22.70 % increase in yield.	* TO 3 is economically viable. * TO 3 is better in net income compared to TO1, TO2 & TO4	No	-
					58.6						
					17.4						
					56.97						
							32.0				
					TO2: Cultivation of TRY3		31.8				
					TO3: Cultivation of CSR23		61.25				
					TO4: Cultivation of VTL7		31.8				
							35.8				
							57.87				
							62.6				
							31.6				

Contd...

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Cultivation of Paddy ADT37	TNAU	49.92	Q/ha	19316.60	1.48
TO2: Cultivation of TRY3	TNAU	56.97	Q/ha	31622.00	1.75
TO3: Cultivation of CSR23	CSSRI	61.25	Q/ha	41588.00	2.01
TO4: Cultivation of VTL7	KAU	57.87	Q/ha	36325.00	1.87

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- 1 Title of Technology Assessed : Assessment of paddy varieties for saline soils
2. Problem Definition : Cultivation of paddy in Saline soil
- 3 Details of technologies selected for assessment
- TO1** : Cultivation of Paddy ADT37
- TO2** : Cultivation of TRY3
- TO3** : Cultivation of CSR23
- TO4** : Cultivation of VTL7
- 4 Source of technology : **TO1 : TNAU, TO2 : TNAU, TO3: CSSRI TO4: KAU**
- 5 Production system and thematic area : Irrigated- Varietal Evaluation
- 6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options			
		TO1	TO2	TO3	TO4
1	Plants-Nos./Sqm	58.6	32.0	31.8	62.6
2	Tillers-Nos./Plant	17.4	31.8	35.8	31.6
3	Yield : Qtl/ha	49.92	56.97	61.25	57.87

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

Performance Indicators	Technological options			
	TO1	TO2	TO3	TO4
Tillers-Nos./Plant	0	2	3	1
Yield	1	1	3	2
Net return	0	1	3	2
BCR	0	1	3	2

(High – 3, Moderate – 2, Low – 1, Very low – 0)

- 8 Final recommendation for micro level situation : CSR 23 found better in terms of yield and net returns and best suitable variety for under salinity condition in Thiruvannamalai district.
- 9 Constraints identified and feedback for research : The seed availability should be ensured and need a short duration slender variety
- 10 Process of farmer's participation and their reaction : Among the cultivars CSR23 performed better than other varieties followed by VTL7

2. Assessment of performance of finger millet under irrigated condition

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Finger millet	Rabi	Cultivation of low yielding varieties	Assessment of performance of finger millet under irrigated condition	7	TO1: Cultivation of low yield variety GPU 28	<ul style="list-style-type: none"> ▪ Yield/Q/ha ▪ Plant population/Nos/Sqm ▪ Tillers-Nos./Plant 	29.66	TO 3 resulted in 27.98 % increase in yield.	* TO 3 is economically viable. * TO 3 is better in net income compared to TO1 & TO2.	No	-
					TO2: Cultivation of CO15 finger millet		28.0				
					TO3: Cultivation of GPU 67 finger millet		3.14				
							32.01				
							30.14				
							4.43				
							37.96				
							30.29				
							6.0				

Contd...

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Cultivation of low yield variety GPU 28	TNAU	29.66	Q/ha	29461.00	1.99
TO2: Cultivation of CO15 finger millet	TNAU	32.01	Q/ha	35365.00	2.23
TO3: Cultivation of GPU 67 finger millet	UAS, Bengaluru	37.96	Q/ha	55067.00	2.94

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Assessment of performance of finger millet under irrigated condition

2. Problem Definition : Cultivation of low yielding varieties

3 Details of technologies selected for assessment

TO1: Cultivation of low yield variety GPU 28

TO2: Cultivation of CO15 finger millet

TO3: Cultivation of GPU 67 finger millet

4 Source of technology : **TO1 : TNAU, TO2 : TNAU, TO3: UAS, Bengaluru**

5 Production system and thematic area : Irrigated- Varietal Evaluation

6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options		
		TO1	TO2	TO3
1	Plants-Nos./Sqm	28	30.14	30.29
2	Tillers-Nos./Plant	3.14	4.43	6.0
3	Yield : Qtl/ha	29.66	32.01	37.96

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

Performance Indicators	Technological options		
	TO1	TO2	TO3
Plants-Nos./Sqm	1	2	3
Tillers-Nos./Plant	1	2	3
Yield : Qtl/ha	1	2	3
BCR	1	2	3

(High – 3, Moderate – 2, Low – 1, Very low – 0)

8 Final recommendation for micro level situation : GPU 67 performed better than other varieties both in terms of net return & Disease incidence.

9 Constraints identified and feedback for research : Short duration varieties with higher yield to be evolved in the future.

10 Process of farmers participation and their reaction : Found that the variety GPU67 recorded higher yield compared to other two varieties and also observed that very low disease incidence.

3. Varietal Assessment for higher productivity in chillies

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chillie	Irrigated	Cultivation of low yielding local varieties and private hybrids	Varietal Assessment for higher productivity in chillies	7	TO1: Cultivation of private hybrids TO2: Cultivation of CO(CH)-1 Chilli TO3: Cultivation of Arka meghana Chilli hybrid	<ul style="list-style-type: none"> ▪ Yield (Q/ha) ▪ Fruit length-Cm ▪ Dry recovery % 			In progress		

Contd...

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Cultivation of private hybrids	-				
TO2: Cultivation of CO(CH)-1 Chilli	TNAU				In progress
TO3: Cultivation of Arka meghana Chilli hybrid	IIHR				

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- | | | | |
|----|---|---|---|
| 1 | Title of Technology Assessed | : | Varietal Assessment for higher productivity in chillies |
| 2 | Problem Definition | : | Cultivation of low yielding local varieties and private hybrids |
| 3 | Details of technologies selected for assessment
TO1: Cultivation of private hybrids
TO2: Cultivation of CO(CH)-1 Chilli seeds
TO3: Cultivation of Arka meghana Chilli hybrid | | |
| 4 | Source of technology | : | TO2 : TNAU, TO3 : IHR |
| 5 | Production system and thematic area | : | Irrigated-Varietal assessment |
| 6 | Performance of the Technology with performance indicators | : | - |
| 7 | Feedback, matrix scoring of various technology parameters done through Farmer's participation / other scoring techniques | : | - |
| 8 | Final recommendation for micro level situation | : | - |
| 9 | Constraints identified and feedback for research | : | - |
| 10 | Process of farmers participation and their reaction | : | - |

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2015-16

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated
1	Oilseeds	Irrigated	Rabi summer	Groundnut	TMV-13	-	Mechanization	<p><u>Mechanization in Groundnut</u></p> <ul style="list-style-type: none"> ▪ Tractor Drawn seed drill and TNAU ▪ Improved dryland weeder for groundnut cultivation.
		Rainfed	Rabi summer	Sesame	TMV(SV)7	-	Varietal Evaluation	<p><u>Demonstration of TMV(SV)7 sesamum</u></p> <ul style="list-style-type: none"> ▪ Demonstration of TMV(SV)7 sesamum ▪ Trichoderma viride + TNAU PPFM
2	Pulses	Rainfed	Kharif	Greengram	COGg8	-	Variety Introduction	<p><u>Demonstration of COGg Greengram</u></p> <ul style="list-style-type: none"> ▪ Sowing of CO (Gg)-8 seeds ▪ Seed treatment with Rhizobial culture (CRM6) 200 gm ▪ Foliar spray of TNAU pulse wonder 5 Kg/ha at 30 DAS
3.	Cereals	Irrigated	Rabi	Paddy	CO(R) 51	-	Integrated Pest and Disease Management	<p><u>IPDM in paddy</u></p> <ul style="list-style-type: none"> ▪ Soil Application of Pseudomonas fluorescens @ 1 kg ▪ Release of Trichogramma japonicum @ 2cc/ac ▪ Release of Trichogramma chilonies @ 2cc/ac ▪ Installation of solar insect light trap @ 1/ac ▪ Installation of TNAU YSB Pheromone trap 20/ac ▪ Need based application of Azadiractin 1% ▪ Foliar spray of Pseudomonas fluorescens @ 0.2%

4	Millets	Rainfed	Kharif	Little millet	CO4	-	Integrated Crop Management	<p><u>Demonstration of CO 4 Little millet under rainfed condition</u></p> <ul style="list-style-type: none"> ▪ Demonstration of CO 4 Little millet ▪ Maintaining optimum plant population with fluted roller seed drill ▪ Seed treatment with Trichoderma viride 4 g/kg ▪ Soil application of T. viride 1 kg/ac ▪ Adopting the spacing of 25 x 10 cm
5	Vegetables	Irrigated	Kharif	Ridgegourd	-	Naga	Integrated Crop Management	<p><u>ICM in Ridgegourd</u></p> <ul style="list-style-type: none"> ▪ NPK application based on soil test ▪ Soil application of Arka microbial consortium @12.5kg/ha. ▪ Vegetable special Spray @ 0.1 % ▪ Soil application of neem cake @ 250 kg/ha. ▪ Spraying of Ethrel @ 100 ppm. ▪ Spraying of Neem, Pongamia soaps @ 1% ▪ Installation of Pheromone traps @ 12/ha. ▪ Installation of yellow sticky traps @ 25/ha.
6	Flowers	-	-	-	-	-	-	-
7	Ornamentals	-	-	-	-	-	-	-
8	Fruits	Irrigated	Rabi summer	Watermelon	-	Maharaja	Integrated Crop Management	<p><u>ICM in watermelon</u></p> <ul style="list-style-type: none"> ▪ ICM practices-NPK application based on soil test ▪ Vegetable special spray @ 0.1 % ▪ Soil application of Arka microbial consortium @12.5kg/ha,neem cake @ 250kg/ha. ▪ Installation of Pheromone traps @ 12/ha. ▪ Spraying of neem, Pongamia soap @ 1% ▪ Installation of Blue sticky traps @ 25/ha.

9	Spices and condiments	Irrigated	Kharif	Turmeric	Erode local	-	Integrated Disease Management	<u>Management of leafspot in Turmeric</u> <ul style="list-style-type: none"> ▪ Soil application of Pseudomonas fluorescence 1 kg/ac ▪ Foliar application of Propiconazole 0.1 % on 45 and 90 DAP
10	Commercial crops	Irrigated	Rabi	Cotton	RCH-20 Bt	-	Integrated Disease Management	<u>Demonstration on management of cotton root rot disease</u> <ul style="list-style-type: none"> ▪ Seed treatment with consortia Pf1+Bs+ TV (10g/kg seed) ▪ Soil application of 2.5 kg of consortia/ ha during sowing ▪ Soil application of 2.5 kg of consortia/ ha at 90 DAS
11	Medicinal and aromatic	-	-	-	-	-	-	-
12	Fodder	Irrigated	Kharif	Fodder sorghum	COFS31	-	Integrated Crop Management	<u>Demonstration of Fodder Sorghum CO (FS) 31</u> <ul style="list-style-type: none"> ▪ Fodder Sorghum CO (FS) 31 ▪ Seed treatment with T. Viride: 4gm/Kg seed ▪ Soil application of T. Viride: 1 kg/Acre
13	Plantation	-	-	-	-	-	-	-
14	Fibre	-	-	-	-	-	-	-
15	Dairy	-	-	-	-	-	-	-
16	Poultry	-	-	-	-	-	-	-
17	Rabitory	-	-	-	-	-	-	-
18	Piggery	-	-	-	-	-	-	-
19	Sheep and Goat	-	-	Goatary	-	-	Nutrition Management	<u>Demonstration of Mineral Block in Small Ruminants</u> <ul style="list-style-type: none"> ▪ Deworming with fenbendazole ▪ Demonstration of Mineral block in Small Ruminants
20	Duckery	-	-	-	-	-	-	-
21	Common crops	-	-	-	-	-	-	-

22	Mussels	-	-	-	-	-	-	-
23	Ornamental fishes	-	-	-	-	-	-	-
24	Oyster mushroom	-	-	-	-	-	-	-
25	Button mushroom	-	-	-	-	-	-	-
26	Vermicompost	-	-	-	-	-	-	-
27	Sericulture	-	-	-	-	-	-	-
28	Apiculture	-	-	-	-	-	-	-
29	Implements	-	-	-	-	-	-	-
30	Others – Kitchen Garden	Homestead	Rabi	Vegetable crops	-	-	Kitchen Garden	<p><u>Demonstration on nutritional garden at school</u></p> <ul style="list-style-type: none"> ▪ Kitchen garden establishment ▪ Vermicompost and Dissemination of knowledge on balanced diet

Contd 5A

Sl. No.	Category	Crop	Area (ha)/ No. of Animal		No. of farmers/ demonstration			Reasons for shortfall in achievement
			Proposed	Actual	SC/ST	Others	Total	
1.	Oilseeds	Groundnut : Mechanization – TMV-13	5	5	-	13	13	-
		Sesame : Varital evaluation – TMV(SV) 7	5	5	-	13	13	-
2	Pulses	Greengram : Variety Introduction –COGg8	5	5	-	13	13	-
3	Cereals	Paddy : IPDM-CO(R) 51	4	4	-	10	10	-
4	Millets	Little millet-ICM – CO4	5	5	13	-	13	-
5	Vegetables	Ridgegourd : ICM – Naga hybrid	3	3	-	15	15	-
6	Flowers	-	-	-	-	-	-	-
7	Ornamentals	-	-	-	-	-	-	-
8	Fruits	Watermelon : ICM – Maharaja hybrid	4	4	-	10	10	-
9	Spices and condiments	Turmeric – IDM – Erode local	4	4	-	10	10	
10	Commercial	Cotton – IDM – RCH-20 Bt	4	4	-	10	10	
11	Medicinal and aromatic	-	-	-	-	-	-	-
12	Fodder	Fodder sorghum – ICM - COFS31	2	2	-	10	10	
13	Plantation	-	-	-	-	-	-	-
14	Fibre	-	-	-	-	-	-	-
15	Dairy	-	-	-	-	-	-	-
		-	-	-	-	-	-	-
16	Poultry	-	-	-	-	-	-	

17	Rabitory	-	-	-	-	-	-	-
18	Pigerry	-	-	-	-	-	-	-
19	Sheep and Goat	Goats – Nutrition Management	100	100	-	12	12	-
20	Duckery	-	-	-	-	-	-	-
21	Common carps	-	-	-	-	-	-	-
22	Mussels	-	-	-	-	-	-	-
23	Ornamental fishes	-	-	-	-	-	-	-
24	Oyster mushroom	-	-	-	-	-	-	-
25	Button mushroom	-	-	-	-	-	-	-
26	Vermicompost	-	-	-	-	-	-	-
27	Sericulture	-	-	-	-	-	-	-
28	Apiculture	-	-	-	-	-	-	-
29	Implements	-	-	-	-	-	-	-
30	Others	Kitchen garden – Vegetable crops	5	5	-	5	5	-
Total			46 (100)	46 (100)	13	121	134	-

5.A. 1. Soil fertility status of FLDs plots during 2015-16

Sl. No.	Category	Farming Situation	Season And Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil			Previous crop grown
									N	P	K	
1	Oilseeds	Irrigated	Rabi summer	Groundnut	TMV 13	-	Mechanization	Mechanization in Groundnut	H	M	L	Paddy, Groundnut
		Rainfed	Rabi summer	Sesame	TMV (SV)7	-	ICM	Demonstration of Sesamum TMV(SV)7	L	M	M	Paddy
2	Pulses	Rainfed	Kharif	Green gram	COGg8	-	Variety introduction	Demonstration of COGg Greengram	L	M	L	Paddy, Groundnut
3	Cereals	Irrigated	Kharif	Paddy	ADT-45	-	IPDM	IDM in paddy	L	M	L	Paddy
4	Millets	Rainfed	Kharif	Little millet	CO4	-	ICM	Demonstration of CO 4 Little millet	M	M	L	Groundnut
5	Vegetables	Irrigated	Kharif	Ridge gourd	-	Naga	ICM	ICM in Ridgegourd	L	L	M	Bittergourd
6	Flowers	-	-	-	-	-	-	-	-	-	-	-
7	Ornamental	-	-	-	-	-	-	-	-	-	-	-
8	Fruit	Irrigated	Rabi summer	Watermelon	-	Magaraja	ICM	ICM in Watermelon	M	L	M	Groundnut
9	Spices and condiments	Irrigated	Kharif	Turmeric	Erode local	-	IDM	Management of leafspot in Turmeric	M	M	M	Blackgram Paddy
10	Commercial	Irrigated	Rabi	Cotton	RCH-20 Bt	-	IDM	Demonstration on management of cotton root rot disease	L	L	L	Groundnut, Paddy
11	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-
12	Fodder	Irrigated	Kharif	Fodder	COFS31	-	ICM	Demonstration of Fodder Sorgum CO (FS) 31	L	M	L	-
13	Plantation	-	-	-	-	-	-	-	-	-	-	-
14	Fibre	-	-	-	-	-	-	-	-	-	-	-
15	Others- KG	Home stead	-	Kitchen garden	-	-	Kitchen Garden	Demonstration on nutritional garden at school	-	-	-	-

5.B. Results of Frontline Demonstrations

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo .	Area (ha)	Yield (q/ha)				% Increase
							Demo			Check	
							H	L	A		
Oilseeds											
Groundnut	<u>Mechanization in Groundnut</u>	TMV-13	-	Irrigated	13	5	25.68	23.34	24.75	19.76	25.25
	<ul style="list-style-type: none"> ▪ Tractor Drawn seed drill and TNAU ▪ Improved dryland weeder for groundnut cultivation. 										
Sesame	<u>Demonstration of TMV(SV)7 sesamum</u>	TMV (SV)7	-	Rainfed	13	5	8.67	8.12	8.41	6.59	27.61
	<ul style="list-style-type: none"> ▪ Demonstration of TMV(SV)7 sesamum ▪ Trichoderma viride + TNAU PPFM 										
Pulses											
Greengram	<u>Demonstration of COGg Greengram</u>	COGg8	-	Rainfed	13	5	13.03	10.08	12.05	8.13	48.21
	<ul style="list-style-type: none"> ▪ Sowing of CO (Gg)-8 seeds ▪ Seed treatment with Rhizobial culture (CRM 6) 200 gm ▪ Foliar spray of TNAU pulse wonder 5 Kg/ha at 30DAS 										

Cereals											
Paddy	<p><u>IPDM in paddy</u></p> <ul style="list-style-type: none"> ▪ Soil Application of <i>Pseudomonas fluorescens</i> @ 1 kg ▪ Release of <i>Trichogramma japonicum</i> @ 2cc/ac ▪ Release of <i>Trichogramma chilonis</i> @ 2cc/ac ▪ Installation of solar insect light trap @ 1/ac ▪ Installation of TNAU YSB Pheromone trap 20/ac ▪ Need based application of Azadiractin 1% ▪ Foliar spray of <i>Pseudomonas fluorescens</i> @ 0.2% 	CO(R) 51	-	Irrigated	10	4	58.06	56.37	57.19	49.51	15.51
Millets											
Little millet	<p><u>Demonstration of CO4 Little millet under rainfed condition</u></p> <ul style="list-style-type: none"> ▪ Demonstration of CO4 Little millet ▪ Maintaining optimum plant population with fluted roller seed drill ▪ Seed treatment with <i>Trichoderma viride</i> 4 g/kg ▪ Soil application of <i>T. viride</i> 1 kg/ac ▪ Adopting the spacing of 25 x 10 cm 	CO4	-	Rainfed	13	5	18.64	16.34	17.39	10.19	70.65

Vegetables											
Ridgegourd	<p><u>ICM in Ridgegourd</u></p> <ul style="list-style-type: none"> ▪ NPK application based on soil test ▪ Soil application of Arka microbial consortium @12.5kg/ha. ▪ Vegetable special Spray @ 0.1 % ▪ Soil application of neem cake @ 250 kg/ha. ▪ Spraying of Ethrel @ 100 ppm. ▪ Spraying of Neem, Pongamia soaps @ 1% ▪ Installation of Pheromone traps @ 12/ha. ▪ Installation of yellow sticky traps @ 25/ha. 	-	Naga	Irrigated	15	3	434.31	421.22	428.21	342.62	24.98
Ornamentals	-	-	-	-	-	-	-	-	-	-	-
Fruits											
Watermelon	<p><u>ICM in watermelon</u></p> <ul style="list-style-type: none"> ▪ ICM practices-NPK application based on soil test ▪ Vegetable special spray @ 0.1 % ▪ Soil application of Arka microbial consortium @12.5kg/ha,neem cake @ 250kg/ha. ▪ Installation of Pheromone traps @ 12/ha. ▪ Spraying of neem, Pongamia soap @ 1% ▪ Installation of Blue sticky traps @ 25/ha. 	-	Maharaja	Irrigated	10	4	In Prog.	-	-	-	-

Spices and condiments											
Turmeric	<u>Management of leafspot in Turmeric</u> <ul style="list-style-type: none"> ▪ Soil application of Pseudomonas fluorescense 1 kg/ac ▪ Foliar application of Propiconazole 0.1 % on 45 and 90 DAP 	Erode local	-	Irrigated	10	4	186.09	181.06	183.26	159.24	15.08
Commercial crops											
Cotton	<u>Demonstration on management of cotton root rot disease</u> <ul style="list-style-type: none"> ▪ Seed treatment with consortia Pf1+Bs+ TV (10g/kg seed) ▪ Soil application of 2.5 kg of consortia/ ha during sowing ▪ Soil application of 2.5 kg of consortia/ ha at 90 DAS 	RCH-2-20 Bt	-	Irrigated	10	4	25.32	23.15	24.11	19.76	22.01
Medicinal and aromatic											
Fodder sorghum	<u>Demonstration of Fodder Sorghum CO (FS) 31</u> <ul style="list-style-type: none"> ▪ Fodder Sorghum CO (FS) 31 ▪ Seed treatment with T. Viride: 4gm/Kg seed ▪ Soil application of T. Viride: 1 kg/Acre 	COFS31	-	Irrigated	10	2	1649.78	1598.97	1632.10	229.95	609.76
Fibre											
Other- Kitchen garden	<u>Demonstration on nutritional garden at school</u> <ul style="list-style-type: none"> ▪ Kitchen garden establishment ▪ Vermicompost and Dissemination of knowledge on balanced diet 	-	-	-	5	5	In progress	-	-	-	-

(Contd...5BI)

Crop	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oilseeds								
Mechanization-Groundnut-TMV-13	52982.85	136137.69	83154.85	2.57	52155.77	108654.62	56498.85	2.08
ICM-Sesame-TMV(SV)-7	36680.38	92465.62	55785.23	2.52	36553.77	72439.23	35885.46	1.98
Pulses								
Variety introduction-Greengram-COGg8	35969.00	109260.00	73291.00	3.04	34273.36	73195.20	38921.84	2.14
Cereals								
IPDM-Paddy-CO(R) 51	42805.00	87214.90	44409.90	2.04	47546.50	75501.00	27954.50	1.59
Millets								
IDM-Little millet CO4	19040.48	69561.60	50521.12	3.65	18843.24	40747.20	21903.96	2.16
Vegetables								
Varietal evaluation-Ridgegourd-Naga	162766.33	512467.47	349701.13	3.15	166539.00	400871.00	234332.00	2.41
Flowers								
Ornamentals								
Fruits								
ICM-Watermelon-Maharaja	In prog.	-	-	-	-	-	-	-
Spices and condiments								
IDM-Turmeric-Erode local	125706.00	293217.60	167511.60	2.33	130203.00	254782.40	124579.40	1.96
Commercial crops								
IDM-Cotton- RCH-2-20 Bt	55104.00	135027.20	79923.20	2.45	57064.50	110667.20	53602.70	1.93
Medicinal and aromatic								
Medicinal and aromatic								
Fodder- Sorghum-COFS31	14229.10	57123.10	42894.00	4.02	7505.00	10344.40	2839.40	1.38
Others-Kitchen garden								
In prog.								

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)

Crop	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	Demo	Check
Mechanization-Groundnut-TMV-13	Plant per M2 (Nos.)	30.62	29.46
	Labour use efficiency (%)	63.62	48.58
ICM – Sesame – TMV(SV) 7	Disease incidence (%)	4	11.98
	Capsule per plant (Nos)	126	66
	Branches per plant (Nos)	10	5
Variety introduction-Greengram- COGg8	Plant per M2 (Nos.)	29.04	24.28
	Tillers per plant (Nos)	30.92	24.0
IPDM-Paddy-ADT - 45	Percent Disease Index (%)	17.88	52.03
	Percent infestation (%)	2.36	16.89
ICM little millet – CO4	Plant per M2 (Nos.)	35.76	26.28
	Tillers per plant (Nos)	6.52	3.64
ICM Ridgegourd - Naga	Average fruit wt (gm)	755.60	589.38
	Pest Incidence %	1.40	13.83
IDM-Turmeric-Erode local	PDI- (%) Leaf spot	3.18	44.00
IPM-Cotton- RCH-2-20 Bt	Percent Disease incidence (%)	6.49	35.16
ICM-fodder sorghum	Tiller per plant (Nos)	15.30	2.20

5.B.2. Livestock and related enterprises :

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (Lit/day)/ Duration of treatment (Days) Mortality (%)			Check if any	% Increase
					Demo				
					H	L	A		
Dairy				-					
Poultry				-					
Rabbitry				-					
Pigerry				-					
Sheep and goat	<u>Demonstration of Mineral Block in Small Ruminants</u> <ul style="list-style-type: none"> ▪ Deworming with fenbendazole ▪ Demonstration of Mineral block in Small Ruminants 	In prog.	-	-	-	-	-	-	
Duckery				-					
Others				-					

5.B.2. Continue

Type of livestock	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy								
Poultry								
Rabbitry								
Pigerry								
Sheep and goat	In prog.	-	-	-	-	-	-	-
Duckery								
Others (pl.specify)								

5.B.3. Fisheries : Nil

5.B.4. Other enterprises : Nil

5.B.5. Farm implements and machinery : Nil

5.B.6. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	10	201	-
2	Farmers Training	14	244	-
3	Media coverage	6	-	-
4	Training for extension functionaries	-	-	-
5	Others (Please specify)-Group discussion	5	449	-
	Method demonstration	5	69	-

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs/ha)				*Economics of check (Rs/ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ridgegourd	ICM Ridgegourd	Naga	15	3	434.31	421.22	428.21	342.62	24.98	162766.33	512467.47	349701.13	3.15	166539.00	400871.00	234332.00	2.41
Others-	ICM in Watmelon	Maharaja	10	4	In progress												
Total	-	-	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops																	
Others (pl.specify)	IDM in Cotton	RCH-2-20 Bt	10	4	25.32	23.15	24.11	19.76	22.01	55104.00	135027.20	79923.20	2.45	57064.50	110667.20	53602.70	1.93
Total	-	-	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	35	11	-	-	-	-	-	-	-	-	-	-	-	-	-

PART VII. TRAINING**7.A. Training of Farmers and Farm Women including sponsored training programmes (On campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	2	18	6	24	6	9	15	24	15	39
Integrated Crop Management	6	78	26	104	5	0	5	83	26	109
Production of organic inputs	1	14	1	15	5	0	5	19	1	20
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	39	2	41	0	0	0	39	2	41
Off-season vegetables	1	13	0	13	0	0	0	13	0	13
Nursery raising	1	15	0	15	0	0	0	15	0	15
Protective cultivation	1	14	1	15	1	0	1	15	1	16
b) Fruits	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0
Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0
Livestock Production and Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	2	14	28	42	0	0	0	14	28	42
Feed and Fodder technology	1	17	0	17	0	0	0	17	0	17
Others (pl.specify)	1	19	0	19	1	0	1	20	0	20

Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	11	3	14	4	7	11	15	10	25
Designing and development for high nutrient efficiency diet	2	21	2	23	1	0	1	22	2	24
Minimization of nutrient loss in processing	1	0	0	0	11	6	17	11	6	17
Value addition	10	99	79	178	8	28	36	107	107	214
Women empowerment	2	22	0	22	13	15	28	35	15	50
Agril. Engineering	0	0	0	0	0	0	0	0	0	0
Plant Protection										
Integrated Pest Management	4	38	9	47	15	0	15	53	9	62
Integrated Disease Management	3	47	6	53	2	2	4	49	8	57
Fisheries	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics										
Group dynamics	1	13	10	23	0	0	0	13	10	23
Agro-forestry	0	0	0	0	0	0	0	0	0	0
TOTAL	42	492	173	665	72	67	139	564	240	804

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	10	1	11	2	2	4	12	3	15
Cropping Systems	2	16	2	18	8	6	14	24	8	32
Integrated Crop Management	1	10	0	10	0	0	0	10	0	10
Integrated Nutrient Management	2	25	0	25	12	5	17	37	5	42

Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	3	33	4	37	0	0	0	33	4	37
Nursery raising	1	13	0	13	0	0	0	13	0	13
b) Fruits										
Cultivation of Fruit	1	14	0	14	1	0	1	15	0	15
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0
Soil Health and Fertility Management										
Soil fertility management	3	32	17	49	3	0	3	35	17	52
Livestock Production and Management										
Dairy Management	2	33	2	35	0	0	0	33	2	35
Feed and Fodder technology	1	10	0	10	0	0	0	10	0	10
Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0
Agril. Engineering	0	0	0	0	0	0	0	0	0	0
Plant Protection										
Integrated Pest Management	13	199	15	214	22	0	22	221	15	236
Fisheries	0	0	0	0	0	0	0	0	0	0
	30	395	41	436	48	13	61	443	54	497

- 7.C. Training for Rural Youths including sponsored training programmes (on campus) : Nil
- 7.D. Training for Rural Youths including sponsored training programmes (off campus) : Nil
- 7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus) : Not allotted
- 7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus) : Nil

7.G. Sponsored training programmes conducted :

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Crop production and management										
1.a.	Increasing production and productivity of crops	3	33	26	59	2	0	2	35	26	61
2.	Production and value addition	0	0	0	0	0	0	0	0	0	0
3.	Soil health and fertility management	0	0	0	0	0	0	0	0	0	0
4.	Production of Inputs at site	1	14	1	15	5	0	5	19	1	20
5.	Methods of protective cultivation	0	0	0	0	0	0	0	0	0	0
6.	Others (pl.specify)-Vegetables-Nursery raising	0	0	0	0	0	0	0	0	0	0
7.	Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
8.	Farm machinery	0	0	0	0	0	0	0	0	0	0
9.	Livestock and fisheries	0	0	0	0	0	0	0	0	0	0
10.	Livestock production and management	0	0	0	0	0	0	0	0	0	0
10.e.	Others (pl.specify)-Newly technology released	1	19	0	19	1	0	1	20	0	20
11.	Home Science										
11.a.	Household nutritional security	1	11	3	14	4	7	11	15	10	25
11.b.	Economic empowerment of women	2	22	0	22	13	15	28	35	15	50
11.d.	Others (pl.specify)-Value addition	6	85	36	121	8	10	18	93	46	139
12	Agricultural Extension	0	0	0	0	0	0	0	0	0	0
12.a.	Capacity Building and Group Dynamics	1	13	10	23	0	0	0	13	10	23
	Total	15	197	76	273	33	32	65	230	108	338

Details of sponsoring agencies involved

- 1.1.a. : ATMA, Vembakkam, Cheyyar, Thellar
4 : ATMA, Cheyyar
10.e : ATMA, Vandavasi
11.a : National Mission on Food Processing Industries, Chennai
11.b. : National Mission on Food Processing Industries, Chennai
11.d : ATMA, Chetpet
12.a : ATMA, Arcot

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth : Nil

S. No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Crop production and management											
1.e.	Organic farming	1	13	1	14	1	0	1	14	1	15	
2	Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	
3.	Livestock and fisheries	0	0	0	0	0	0	0	0	0	0	
4.	Income generation activities	0	0	0	0	0	0	0	0	0	0	
5	Agricultural Extension	0	0	0	0	0	0	0	0	0	0	
	Grand Total	1	13	1	14	1	0	1	14	1	15	

PART VIII – EXTENSION ACTIVITIES

a. Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	154	30	184	7	3	10	6	1	7
Kisan Mela	1	43	0	43	0	0	0	4	0	4
Exhibition	1	80	5	85	0	0	0	0	0	0
Film Show	1	54	0	54	0	0	0	0	0	0
Method Demonstrations	5	52	8	60	5	4	9	0	0	0
Farmers Seminar	1	38	1	39	0	0	0	0	0	0
Group meetings	6	416	30	446	9	10	19	4	0	4
Lectures delivered as resource persons	22	591	29	620	8	4	12	23	5	28
Popular articles	23	0	0	0	0	0	0	0	0	0
Extension Literature	5	0	0	0	0	0	0	0	0	0
Advisory Services-Help line	54	46	18	64	9	2	11	5	1	6

										50
Scientific visit to farmers field(FAS)	82	790	80	870	21	8	29	1	0	1
Farmers visit to KVK	0	330	73	403	0	0	0	0	0	0
Diagnostic visits	109	243	29	272	18	8	26	1	0	1
Animal Health Camp	1	231	0	231	0	0	0	1	0	1
Soil test campaigns	1	125	23	148	0	0	0	2	0	2
Farm Science Club Conveners meet	1	50	0	50	0	0	0	4	0	4
Celebration of important days- World Food Day	1	0	39	39	0	0	0	0	1	1
Any Other – Parthenieum Awareness	1	56	5	61	0	0	0	1	0	1
Farmers meet	2	41	0	41	0	0	0	0	0	0
Total	327	3340	370	3710	77	39	116	52	8	60

b. Other Extension activities

Other Extn. Activity	Extension Number
Animal Health Camps (Number of animals treated)	1
Electronic Media (CD/DVD)	3
Extension Literature	13
News paper	5
Popular Articles	18
Technical Articles	6

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS**9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy	CO 51	-	2.45	7315.00	11
Oilseeds	Groundnut	TMV13	-	2.85	19885.00	1
Pulses	Greengram	COGg8	-	1.16	10175.00	7
	Blackgram	VBN6	-	0.33	3045.00	6
Fodder crop seeds	Leucerne	Local	-	0.85	425.00	3
Total	-	-	-	7.64	40845.00	28

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Fruits	Guava	L49	-	86	3360.00	15
	Mango	Local	-	2	100.00	1
	Jack	Local	-	31	465.00	4
	Pomegranate	Bhagua	-	22	880.00	6
Ornamental plants	Crotons	Local	-	180	4650.00	25
Plantation	Coconut	T x D	-	1000	570000.00	37
Spices	Curryleaf	Pachai kambu	-	721	7210.00	7
Fodder crop saplings	Slips	CO4	-	4830	2790.00	3
Forest Species	Timber	-	-	11918	79478.00	184
Total	-	-	-	18790	668933	282

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Agents	Bacillus substillis	20.0	2500.00	10
	Trichoderma viride	437.0	54625.00	237
	<i>P. flurorescence</i>	393.0	49125.00	217
Others (specify)	Earthworms	15.35	6190.00	11
	Vermicompost	6242.0	26211.00	38
	Azolla	4.5	45.00	4
	Vegetable special	407.25	60660.00	55
Total	-	7519.10	199356.00	572

9.D. Production of livestock materials :

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals	-	-	-	-
Poultry				
Duals (broiler and layer)	Chittacong	103	22750.00	50
Japanese Quail	Japanese	223	7805.00	32
Piggery	-	-	-	-
Fisheries	-	-	-	-
Total	-	326	30555.00	82

9.E. Others

Products	Name of the product	Quantity Kg/Nos/Lits.	Value (Rs.)	Number of farmers to whom provided
Mushroom	Spawn	5	175.00	1
Machineries	Drum seeder	16	72350.00	16
Instant mix	(Cereals, Oil seeds)	4.95	873.00	10
Pickles	Amla	7.9	1185.00	5
Total	-	-	74583.00	32

PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

10. A. Literature Developed/Published (with full title, author & reference)**(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)**

News Letter Name	Start Date	Distributed Copies (Nos)	Volume Number	Issue Number	Copies Print/Circulated
Pasumaikathir	7/13/2015 12:00:00 AM	200	1	36	75
Total		200	1	36	75

(B) Literature developed/published

Item	Title	Authors name	No.
Extension literature			
Leaflets	-	-	-
Pamphlets	Ethanoveterenary medicines used for small ruminants	Dr.A.Elamaran, P.Rajesh & V.Suresh	1000
	Fodder Crops - Cultivation Aspects	Dr.A.Elamaran, P.Rajesh & V.Suresh	1000
	Foliar Nutrition in Vegetable Crops	N.Rameshraj, Dr.R.Marimuthu & V.Suresh	1000
	Foot and Mouth Disease in Cattle	Dr.A.Elamaran, P.Rajesh & V.Suresh	1000
	Gingelly Cultivation aspects	Dr.R.Marimuthu, P.Rajesh & V.Sursh	600
	INM & Bunch Covering in Banana	N.Rameshraj, Dr.R.Marimuthu & V.Suresh	1000
	IPM in Tomato	P.Narayanan, Dr.R.Marimuthu & N.Rameshraj	1000
	KVK - Roles and Activities	V.Suresh	1000
	Pest and Disease management in Brinjal	P.Narayanan & N.Rameshraj	2000
	Production Technologies for Groundnut	Dr.R.Marimuthu, P.Rajesh, T. Margaret & V.Sursh	700
	Solar Light Trap in IFS	P.Narayanan, Dr.R.Marimuthu & V.Suresh	1000
	Watermelon - Production techniques	N.Rameshraj, T.Margaret & V.Suresh	1000
Booklets	IPM in Paddy	P.Narayanan, P.Rajesh & V.Suresh	200
Total	-	-	12500.00

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	CD	Foot and Mouth Disease in cattle	50
2	DVD	KVK Roles and Activities	50
3	DVD	Mechanization in paddy	9
Total			109

10.C. Success Stories : View with the following links

Title	URL Name
Quality seed production in paddy	http://kvkthiruvannamalai.com/Success/SS-Quality%20Seed%20Production%20in%20Paddy.pdf
IPDM practices for improve the yield and environmentally safe in paddy	http://kvkthiruvannamalai.com/Success/SS-IPDM%20practices%20for%20improve%20the%20yield%20and%20Oenvironmentally%20safe%20in%20paddy%20cultivation.pdf
Seed production in Blackgram	http://kvkthiruvannamalai.com/Success/SS-Seed%20Production%20in%20Blackgram.pdf
Fruits and vegetable preservation	http://kvkthiruvannamalai.com/Success/SS-Fruits%20and%20Vegetables%20Preservation.pdf
Improved Bittergourd cultivation in Pandal system	http://kvkthiruvannamalai.com/Success/SS-Improved%20Bitter%20gourd%20cultivation%20in%20Pandal%20System.pdf

10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Nil

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

Crop/Enterprise	Source	ITK Practiced	Purpose
Termites production	Farmer	Spreading of gunny bags under the shade randomly.	Whatever the production of termites under the gunny bags will be used as feed materials for cattle's.
Redgram	Farmer	Coating the redgram seed with red earth	Controlling of brukit attack
Paddy	Farmer	Tieing of dry palm leaves around the paddy field.	Controlling of rat

10.F. Indicate the specific training need analysis tools/methodology followed for identification of courses.

▪ **FARMERS AND FARM WOMEN**

Survey, field visit, group discussion, information from panchayat presidents and progressive farmers. Discussion with line departments, NGO's and DRDA.

▪ **RURAL YOUTH**

Survey, information from Nehru Yuva Kendra and line department. Discussion with Women Development Corporation and DRDA.

▪ **IN SERVICE PERSONNEL**

Discussion with higher officials of the Line departments, NGO's feedback information from the ex-trainees.

10.G. Field activities

i.	No. of villages adopted	:	15
ii.	No of families selected	:	163
iii.	No. of survey/PRA conducted	:	8

10.H. Activities of Soil, Water Testing Laboratory & Plant Health Diagnostic Lab

1. Date of establishment : 06.05.2005
2. List of equipments purchased with amount

A) Soil, Water Testing Laboratory:

S.No	Name of the Equipment	Qty.	Cost (Rs.)
a. Non-Recurring			
1	Spectrometer	1	60301.00
2	Flame photometer	1	50250.00
3	pH meter	1	10010.00
4	Conductivity bridge	1	10444.00
5	Physical balance	1	9840.00
6	Chemical balance	1	100242.50
7	Water distillation still	1	99544.00
8	Kjeldahl digestion and distillation	2	60140.00
9	Shaker	2	49994.00
10	Refrigerator	1	19998.00
11	Oven	1	15034.00
12	Hotplate	1	24996.00
13	Grinder	1	30009.00
	Laboratory set up equipments :		
14	Iron rack	2	2500.00
15	Gas stove	1	1262.00
16	Revolving chair	2	565.60
17	Stabilizer	1	9008.00
18	Cement concrete table with ceramic tile top, exhaust fan, working platform, stainless steel sink, sintex tank, electrical and plumbing work etc.,	-	270000.00
19	Syntax door for cupboard	-	37115.00
Total Rs.			8,61,252.50

B) Plant Health Diagnostic Lab

S.No	Name of the Equipment	Qty.	Cost (Rs.)
Non-Recurring			
1	Deep freezer	1	31,500.00
2	Refrigerated Centrifuge with rotor	1	1,98,500.00
3	Vortex mixer	1	3,738.00
4	D.O Meter	1	8,400.00
5	Digital pH Meter	1	9,450.00
6	Digital Colony counter	1	5,000.00

7	Thermo hygrometer	1	1,312.00
8	Vaccum desiccators	1	5,000.00
9	Digital moisture meter	1	86,000.00
10	Magnoscope with stand	1	5,250.00
11	UV rays chamber	1	6,875.00
12	Magnetic stirrer	1	4,095.00
13	Brix meter - 0-45 %	1	3,500.00
14	Brix meter - 45 to 85 %	1	3,500.00
15	Phase contrast microscope	1	57,000.00
16	Dissection microscope	1	1,575.00
17	Hot air oven	1	30,000.00
18	Water distillation units-Double still	1	90,000.00
19	Water bath - Tank	1	4,725.00
20	Laminar Air flow chamber	1	57,250.00
21	BOD Incubator	1	74,425.00
22	Autoclave	1	52,300.00
23	Stereo zoom microscope	1	1,03,050.00
24	Split A/C	1	33,000.00
25	Micro oven	1	4,500.00
26	10 KV online UPS	1	21,755.00
Total Rs.			9,01,700.00

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	2258	1876	462	110780.00
Water Samples	299	280	219	29900.00
Plant samples	18	18	2	1800.00
Total	2575	2174	683	142480.00

Details of samples analyzed during the 2015-16

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	69	34	24	3450.00
Water Samples	23	16	16	2300.00
Total	92	50	40	5750.00

10.I. Technology Week celebration during 2015-16 Yes/No : No

10. J. Interventions on drought mitigation (if the KVK included in this special programme): NA

PART XI. IMPACT**11.A. Impact of KVK activities (Not to be restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before Rs./ha.	After Rs/ha.
Foliar Nutrition in Cucurbits	810	83	The farmers were practicing only soil application of fertilizers to meet out the nutrient requirement of the crop. Income Rs 571956/ha	An income of 755995/ha was achieved after continuous application of nutrients through foliar
Protray Solanaceous Vegetable Seedlings Production	629	48	The Farmers have followed raised bed seedling production. The income was Rs. 165755/ha	An income of Rs 206050/ha was gained by the farmers after practicing the technology.
INM in Brinjal	367	66	The farmers did not follow the soil test based, crop specific nutrient management practices. The income was Rs 344772/ha	Soil test based crop recommendations of nutrient application was followed and a net income of Rs 389457/ha was gained by the farmers following the above practices.
Installation of Solar insect Light Trap in Paddy	112	43	Farmers are continuously using pesticides alone recommended by the retail pesticide dealers and they are not aware of the integrated control measures. A total income of Rs 63505/ha	A net income of Rs 86986/ha was gained by the farmers and the incidence of pests also minimized.
Direct Sown paddy using Drum Seeder	1321	63	High Seed rate, manpower and needs nursery preparation. An average net income of Rs 22750/ha gained by the farmers	Seed rate minimized by 45% and there is no need of nursery. An average net income of Rs.33250/ha was achieved by the farmers.
ICM in Groundnut	642	56	Cultivation of old varieties, no micronutrient foliar application. Average Net Income is Rs 56500/ha	Introduction of new variety, foliar application of micro nutrients Average net income Rs 83200/ha was achieved
ICM in Blackgram	456	80	Old varieties, YMV & Powdery mildew incidence Average net income Rs 47000/ha	Introduction of YMV resistant varieties, foliar application of Pulse Wonder Average net Income Rs 79850/ha

11.B. Cases of large scale adoption :

Title	URL Name
Case study-Direct sowing in paddy using Drum seeder in Thiruvannamalai district	http://kvkthiruvannamalai.com/report/CS-Direct%20sowing%20in%20Paddy%20using%20Drum%20Seeder%20in%20Thiruvannamalai%20district.pdf
Case study-Oyster mushroom-An alternative income generation venture	http://kvkthiruvannamalai.com/report/CS-Oyster%20Mushroom%20%E2%80%93%20An%20Alternative%20Income%20Generation%20Venture.pdf

PART XII-LINKAGES

12.A. Functional linkage with different organizations

Sl. No	Name of organization	Nature of linkage
1.	NABARD	Farmers Club at Kilsembedu, Maruthadu and Venmandhai organised
2.	NABARD	Paddy Seed Production project - registration of 20 ha under this project by the farmers in PACs, Peranamallur
3.	DGR-Gujarat	Demonstration of groundnut improved production technologies, Intercropping and Post harvest equipments under NMOOP and TSP
4.	ATMA	Training and demonstration in various block
5.	Dept. of Animal husbandry	400 hundred animals were treated for various health reasons. The programme was conducted in Thandarampattu block
6.	Dept. of Animal husbandry	The FMD audio CD developed by KVK were distributed to all the block officials in the campaign. The CD was released by the district collector
7.	NGO	World Food Day celebration collaboration with NGO and other development departments involving in agriculture activities in Cheyyar block

12.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies.

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Quality Seed production in paddy	2014-2016 (Continued)	NABARD- Thiruvannamalai	20000.00

12.C. Details of linkage with ATMA

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

If yes, role of KVK in preparation of SREP of the district?

Scientist attended workshops on operationalization of ATMA and given technical guidance in preparation of SREP.

Coordination activities between KVK and ATMA during 2015-16

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	-	4	-	-
02	Research projects	-	-	-	-
03	Training programmes	-	8	-	-
04	Demonstrations	-	-	-	-
05	Extension Programmes	-	-	-	-
06	Publications	-	-	-	-
07	Other Activities (Pl. specify)	-	-	-	-

12.D. Give details of programmes implemented under National Horticultural Mission

The National horticulture mission has not been implemented in Thiruvannamalai district

12.E. Nature of linkage with National Fisheries Development Board : Nil

12.F. Details of linkage with RKVY : Nil

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April'15	4	406	4
May'15	9	406	8
June'15	6	563	11
July'15	4	74	3
January'16	2	414	6
February'16	1	414	5
March'16	1	414	8
Total	27	2691	45

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

13.A. Performance of demonstration units (other than instructional farm) : Nil

13.B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Qtl)	Cost of inputs	Gross income	
Cereals									
Paddy	18.10.14	19.01.15	0.02	CO-51	Seed	2.45	1775.00	7315.00	-
Pulses									
Greengram	15.05.15	28.07.15	0.04	CO8	Seed	1.16	3949.00	10175.00	-
Blackgram	20.01.15	24.03.15	0.01	VBN6	Seed	0.33	720.00	3045.00	
Oilseeds									
Groundnut	10.06.15	02.10.2015	0.04	TMV13	Seed	2.85	11002.00	19885.00	
Spices & Plantation crops									
Coconut	-	-	-	T X D	Seedlings (Nos)	1000	25000.00	57000.00	Stock - 242
Fodder	10.04.15	12.12.2015	0.02	CO4	Slips (Nos)	4830	930.00	2790.00	
Fruits									
Vegetables	-	-	-	-	-	-	-	-	-
Ashgourd	21.07.15	28.10.15	0.04	Mahyco1	Vegetables	11.73	897.00	4690.00	-
Others (specify)									
Tree crops	-	-	-	All types	Seedlings-Nos	8130	116664.00	93353.00	Stock in hand

13.C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty (Qtl)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Bacillus substillis	0.20	14846.00	2500.00	
2.	Trichoderma viride	4.37		54625.00	
3.	<i>P. fluorescence</i>	3.93		49125.00	
4.	Vermicompost	62.42	8959.00	26211.00	-
5.	Earthworms	1.535	0.00	6190.00	-
6.	Azolla	0.045	10.00	45.00	
7.	Vegetable special	4.07	31182.00	60660.00	-

13.D. Performance of instructional farm (livestock and fisheries production) :

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Desi chicken	Chittacong	Chicks	103	4609.00	22750.00	-
2	Japanese Quail	Nandanam 1	Chicks	223	5675.00	7805.00	-

13.E. Others

Products	Name of the product	Quantity Kg/Nos/Lits.	Value (Rs.)	Number of farmers to whom provided
Machineries	Drum seeder	16	72350.00	16
Value added products	Pickles	7.9	1185.00	5
Instant mix	Health mix, Millet mix	4.95	873.00	10
Total	-	-	74268	31

13.E. Utilization of hostel facilities -Accommodation available (No. of beds) : 16

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2014	-	-	-
May 2014	-	-	-
June 2014	-	-	-
July 2014	25	5	-
August 2014	25	6	-
September 2014	59	13	-
October 2014	45	8	-
November 2014	-	-	-
December 2014	60	11	-
January 2015	-	-	-
February 2015	50	16	-
March 2015	-	-	-
Total Rs.	264	59	

13.F. Database management

S. No	Database target	Database created
1.	Database on library	Created and updated
2.	Database on Rainfall	Created and updated
3.	Website creation	Updated regularly
4.	Data enter in OLRS	Updated monthly

13.G. Details on Rain Water Harvesting Structure and micro-irrigation system : Nil

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With KVK	Indian Bank	Vembakkam	812	Programme Coordinator-VKVK	556007560	600013007	IDIB 000V038
	Indian Bank	Vembakkam	812		556007571	600015041	IDIB 000V038
	State Bank of India	Cheyar	00267		30822521630	604002001	SBIN0000267

14.B. Utilization of KVK funds during the year 2015-16 (Rs. in lakh)

a. Budget Estimate

S. No	Particulars	Sanctioned in lakhs	Released in lakhs	Expenditure in Rs.
A. Recurring Contingencies				
1	Pay & Allowances	9222000.00	9222000.00	9222174.00
2	Traveling allowances	90000.00	90000.00	90009.00
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	95000.00	95000.00	95209.00
B	POL, repair of vehicles, tractor and equipments	100000.00	100000.00	100000.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	50000.00	50000.00	50015.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000.00	50000.00	50001.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	197000.00	197000.00	196764.00
F	Integrated farming system	0.00	0.00	0.00
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	22000.00	22000.00	21652.00
H	Training of extension functionaries	0.00	0.00	0.00
I	Maintenance of buildings	0.00	0.00	0.00
J	Extension activities	50000.00	50000.00	50002.00
K	Farmers field school	0.00	0.00	0.00
L	Library	5000.00	5000.00	5000.00
TOTAL (A)		9881000.00	9881000.00	9880826.00

B. Non-Recurring Contingencies				
1	Works			
	a. Fencing	0.00	0.00	0.00
2	Equipments including SWTL & Furniture			
	a. Tractor with implements	0.00	0.00	0.00
	b. Plant Health Diagnostic Facility	0.00	0.00	0.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
TOTAL (B)		0.00	0.00	0.00
IC. Revolving fund :		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		97.67	97.67	10394978.35

14.C. Status of revolving fund

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2013 to March 2014	483673.05	801240.00	429561.00	855352.05
April 2014 to March 2015 ***	855352.05	1345291.00	1694346.00	506297.05
April 2015 to March 2016	506297.05	778855.00	617419.50	667732.55

*** Recurring expenses met out from RF Rs. 6.28 lakhs

15. Details of HRD activities attended by KVK staff during 2015-16

Staff Name	Designation	Gender	Discipline	Training Title	Institute Address	Start Date	End Date	Amount (Rs)	Remarks
Marimuthu. R	Sr. Scientist and Head	Male	Agriculture	Communication and management skills for extension personnel	NAARM, Hyderabad	06/01/2015	06/10/2015	0	-
		Male	Agriculture	Training on Rabi Pulses	ICAR KVK, Madurai	1/28/2016	1/29/2016	0	0
Rajesh.P	Subject Matter Specialist	Male	Agronomy	Training on KVK Farm Managers	DDE, TNAU, Coimbatore	3/23/2016	3/24/2016	0	0
Total								-	-

16. Please include any other important and relevant information which has not been reflected above (write in detail).

a. Citizen Client Charter

Services Transaction	Success Indicators	Process	Services Standard	Service attended by KVK	Service pending with KVK
Pheromone lure-Brinjal shoot and fruit borer requirement	1	Advice were given to the farmer to produce lure from PCI in Porur, Chennai	30	1	0
Technical guidance on value addition in Mango	1	Guidance given about mango preservation methods, preservatives usage and packing	30	3	0
Technical information with demonstration on TANUVAS smart mineral mixture for dairy cows	1	Advice on Dairy management with recent technology of TANUVAS smart MM	30	1	0
Alternate Poultry farming	30	Quail Chicks purchase from the traders on request made by the farmers	30	15	0
Solar Insect Light Trap	10	Arranged from Safs organic Enterprises, Pondicherry on request of the farmers	90	2	0
Blackgram VBN 6 Seeds	12	collected from the farmers and distributed to the requested farmers	15	3	0
Mushroom Production	25	maintenance of shed as requested by the entrepreneur	12	8	0
Vegetable Special Production and Supply	7	private contact made by the farmers	3	4	0
Wheat seed	30	Wheat Research station, Wellington	15	1	0
Oral pellet vaccination for Desi birds	30	Department of Microbiology, Madras Veterinary College, Chennai	4	3	0
Vegetable special production technology	7	Individual contact	4	3	0
Liquid Pseudomonas fluorescent	15	Production of liquid Pseudomonas in our KVK	0	1	0
TANUVAS Area Smart mineral mixture	10	TANUVAS area smart mineral mixture were bought from TANUVAS and linked to farmers	0	1	0
Paddy CO51 seed	15	Seeds purchased from farmers produced company and given to farmers	0	1	0
Instant mix preparation	10	Giving technical guidance	0	1	0
Production and supply of vegetable special	7	Supply of the technology and product	2	3	0
Arrangement of solar insect light traps	10	From SAFS organic enterprises at Pondicherry	90	12	0
Vegetable special production and supply	7	Direct contact	5	3	0

Salt lick for small ruminants	10	Through Animal Nutrition, Kattuppakkam	30	10	0
Arrangement of Groundnut seeds TMV13	10	through State Department of Agriculture, cheyyar	5	2	0
Mushroom spawn production	4	Through private agency	4	2	0
Paddy drum seeder	7	Through TNAU	5	3	0
Bio fungicides- Trichoderma viride and Pseudomonas	7	Self production and supply	4	3	0
Vegetable Special Production and Supply	5	production at KVK and supply to the farmer	7	1	0
Paddy Seeds - Co 51 - arrangements	7	Personal contacts through progressive farmers	10	3	0
Groundnut Seed - TMV 13	5	Direct Contact	10	3	0
Blackgram Seed - VBN 6	4	direct Contact	7	3	0
Vegetable Special	7	Direct Contact	2	2	0
Supply of Vegetable Special	7	Direct Contact	3	2	0
Supply of Groundnut Rich	7	Telephonic Contact	5	3	0
Supply of Bio Agents	7	Direct Contact	2	1	0
Supply of Spawn	7	Telephonic Conversation	5	3	0
Vegetable Special	7	Direct contact	2	2	0
Blackgram	6	Direct contact to farmers	5	8	0
Supply of Vegetable special	7	Direct contact	2	1	0
Blackgram seed VBN6	10	Direct contact-Purchased from farmer's	7	1	0
Total	352	-	475	119	0

b. Project implemented by the KVK with financial assistance

Lead Agency	Project Title	Role of KVK	Date of Initiation	Other Collaborative Agency	Duration (Years)	Project Outlay (Rs)	Amount Sanctioned (Rs)	Expenditure (Rs)	Progress Achieved
ATARI, ICAR, Bangaluru	NFSM Groundnut	Demonstration of Groundnut in Clusters	12/28/2015	-	0.4	375000	375000	375000	75 demonstrations were conducted in three clusters
	ICM in Blackgram	Demonstration of Blackgram in Clusters	12/25/2015	-	0.3	90000	90000	90000	30 demonstrations were conducted at two clusters
Directorate of groundnut Research, Junagadh	Intercropping in Groundnut	Demonstration & Extension Official Training	8/26/2015	-	0.4	70000	70000	70000	10 demonstrations and 20 extension officers were benefited
	Improved production Technologies in Groundnut under TSP	Demonstration of Groundnut in Clusters	1/8/2016	-	0.4	683500	683500	683500	75 demonstrations were conducted in three clusters in Jawadhu hills for tribal community
	Demonstration of Post Harvest Equipments in Groundnut under TSP	Supply of Storage Bin and Decorticator	3/31/2016	-	0.4	1135000	1135000	1135000	procurement of storage bin and Decorticator is under progress
National Mission on Food Processing	Food processing Training Centre	Trainings & Demonstration to farmers, FW	10/15/2013	Dept. of Agribusiness & marketing	10	1500000	1500000	1500000	So far about 250 farmers, farm women and rural youth were benefited.
Total						3853500	3853500	3853500	-

16.1 Farmer Field School : Nil

16.2. Integrated Farming system :

Farmer wise data on IFS

Farmer 1	Farmer 2	Farmer 3	Farmer 4	Farmer 5
D. Manivannan	J. Sabarirajan	B.Mohan	R. Venkatesan	V. Sankar
saduperipalayam	Kilsembedu	Mettukudisai	Panaiyur	Vilankuppam
Area 4 acres	3 acres	4 acres	2acres	1.5 acre
Garden land	Garden land	Garden land	Partial irrigation	Gardenland
Existing Components				
Vegetables, Sweet orange, Mango, Flowers, Goat, Poultry, Azolla, Vermicompost, CO FS 29	Vegetables, CO 4 fodder, Dairy, Poultry, Azolla, Vermicompost	Vegetables, Paddy, CO 4 fodder, Dairy, Poultry, Azolla, Vermicompost	Vegetables, CO 4 fodder, Dairy, Poultry, Azolla, Mushroom unit, Fish, Vermicompost	CO 4 fodder, dairy, Non-descriptive local goats, Poultry, Azolla, Vermicompost

Economic impact of IFS

SI. NO	Name of the farmer	Total area (acres)	Number of major/ subsidiary enterprises			Annual income (Rs.)		
			Before KVK intervention	After KVK intervention		Before KVK intervention	After KVK intervention	
				2013-14	2014-15		2014-16	
1	Mohan. B	4	4	9	9	3,80,950	4,96,000	5,43,262
2	Sabarirajan. J	3	3	8	8	2,62,430	3,48,218	3,96,516
3	Sankar. V	1.5	3	8	8	92,618	1,42,245	2,18,417
4	Manivannan. D	4	5	-	12	2,53,217	3,16,568	3,78,235
5	Venkatesan. R	2	3	-	9	1,27,326	1,82,172	2,41,516

&&&&&&&