KRISHI VIGYAN KENDRA, CHITRADURGA

ANNUAL REPORT -2018-19

(FOR THE PERIOD FROM 01 APRIL 2018 TO 31 MARCH 2019)

KVK Address
ICAR- Krishi Vigyan Kendra, Chitradurga
Babbur Farm, Hiriyur-577 598,
Chitradurga district,Karnataka State

Host Organization details
University of Agricultural and Horticultural Sciences, Shivamogga
Savalanga Road, Navile, Shivamogga,
Karnataka-Pin: 577 225

GENERAL INSTRUCTIONS

Please read the instructions very carefully before starting preparation of the report

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given by each KVK while preparing the report.
- Period of Report is from 01April 2017 to 31 March 2018
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables, graphs and photos.

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
ICAR- Krishi Vigyan Kendra, Chitradurga Babbur Farm, Hiriyur-577 598, Chitradurga district, Karnataka State.	Office 08193-289160	Fax 08193-289160	kvkchitradurgahyr@gmail.com kvk.Chitradurga@icar.gov.in	**kvkchitradurga.com**

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences, Shivamogga Savalanga Road, Navile, Shivamogga, Karnataka-Pin: 577 225	08182- 267001	08182-298008	vcuahs2014@gmail.com	uahs.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S. Onkarappa	08193-289160	9480838201	onkarappas@yahoo.com

1.4. Year of sanction:

2000 under NATP, 2004 as full fledged KVK

1.5. Staff position as on 31 March 2018

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist & Head	-	-	-	-	-	-	-	-	-	-
2	Scientist	Dr. S. Onkarappa	Senior Scientist & Head (I/c) & Scientist	M	Plant Protection	Ph. D	15600 to 39100 +AGP7000	23220 + AGP 7000	17-07-2009	Permanent	Others
3	Scientist	Dr. K. Amaresh Kumar	Scientist	M	Agri. Extension	Ph.D	15600-39100+ AGP8000	28180+ AGP 8000	31-3-2018	Permanent	SC
4	Scientist	Dr. Parashuram Chandravanshi	Scientist	M	Soil Science	Ph.D	15600-39100+ AGP8000	27130+ AGP 8000	26-3-2018	Permanent	SC
5	Scientist	Dr. Prakash Kerure	Scientist	M	Horticulture	Ph. D	15600 to 39100 +AGP6000	20580+AGP 7000	10-11-2011	Permanent	OBC
6	Scientist	Dr, Rudragouda F Channagouda	Scientist	M	Agronomy	Ph.D	15600 to 39100 +AGP6000	19050+ AGP 7000	17-10-2013	Permanent	Others
7	Scientist	-	-	-	Home Science	-	15600 to 39100 +AGP6000	-	-	-	-
8	Programm	Mrs.	Programme	F		B.Sc.	9300 to	13470+	04-11-2010	Perm	OBC

	e Assistant (Lab Tech.)	Geetha Kumari B .N	Assistant /training Asst		Agriculture		34800 + AGP 4600	AGP 4600		anent	
9	Programme Assistant (Computer)	Miss. Kavitha P. Naik	Programme Assistant (Computer)	F	Computer Science	B.Sc	9300 to 34800 +AGP 4200	11460+AGP 4200	30-11-2013	Permanent	OBC
10	Programme Assistant/ Farm Manager	Mrs. Vidyavathi K B	Farm Manager	F	Microbiology	M.Sc.	9300 -34800 + AGP 4600	14600+ AGP 4600	05-06-2017	Permanent	Others
11	Assistant	Mr. D. Gurumurthy	Assistant	M	Accounts & Administration	B.A	37900-70850	37900	01-01-2013	Permanent	Others
12	Jr. Stenographer	-	-	-	-	-	-	-	-	-	-
13	Driver - 1	Mr. Maheboob Patel	Driver	M	Tractor driver	PUC	30350-58250	33450	30-10-2008	Permanent	OBC
14	Driver - 2	Mr. Hariprasad S.	Driver	M	LMV-	PUC	21400-42000	21400	14-11-2018	Permanent	SC
15	SS-1	-	-	-	Cook cum Care taker	-	-	-	-	-	-
16	SS-2	Mrs. Nagamma	Messenger	F	Messenger	7^{th} std	17000-28950	17800	24-11-2016	Permanent	OBC

1.6. Total land with KVK (in ha) : 24.2 ha

S. No.	Item	Area (ha)
1	Under Buildings	08.00
2.	Under Demonstration Units	03.00
3.	Under Crops	10.60
4.	Orchard/Agro-forestry	03.60
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs. in lakh)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2009	550	55.0	-	-	-
	Soil Lab	UAHS	2018	220	38.0	-	-	-
2.	Farmers Hostel	ICAR	December 2002	305	30.0	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
4.	Demonstration Units							
	1.Vermi compost Unit	RKVY	29-3-2017	10	0.4	-	-	-
	2. Nursery			25	0.6	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	March 2008		9.70	-	-	
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

9	Plant Health Clinic	NHM	June 2008	-	20	-	-	-
10	Vehicle & Implement Shed	ICAR	Sept 2011	-	2.65	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero KA 16 N 4264	2017	6,63,495	101165	Good Condition
Tractor	2007	4,66,319	4407.4 hrs	Good Condition
Two Wheeler (Hero Honda) KA 16 S 4401	2009	42,645	32559	Good Condition
Scooter (Honda Activa) KA 16 S 4415	2009	39,350	52442	Good Condition
TVS Victor KA04EF8139	2003	38,363	74772	Good Condition

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Epson Projector	2018-19	49920	Good Condition
HP Laptop	2018-19	49914	Good Condition
Hot plate	2018-19	21000	Good Condition

1.8. Details of SAC meeting conducted during 2017-18

<table>
<tr><th>Date</th><th>Number of Participants</th><th>Salient Recommendations</th><th>Action taken</th><th>Remarks, if any</th></tr>
<tr><td>11-12-2017</td><td>19</td><td>Emphasize soil and climate specific crop cultivation</td><td>Off campus training and Radio programmes have been conducted as listed below
<table>
<tr><th>Tile</th><th>Date</th><th>Place</th><th>No. of participants</th></tr>
<tr><td rowspan="2">1.Impact of climate change on crop productivity</td><td>8-1-2018</td><td>Gopinahalli, Challakere Tq.</td><td>53</td></tr>
<tr><td>31-5-2018</td><td>AIR, Chitradurga</td><td>32</td></tr>
</table></td><td>-</td></tr>
<tr><td></td><td></td><td>Establishment of processing and value addition unit specific to ‘Siri Dhanyagalu’</td><td>• Establishment of Millet processing unit at KVK(Machineries of Rs. 2.5 lakhs have been procured and will be implemented during the month of May 2019
• Shidlayanakote (2.8 lakhs budget sanctioned under KAPC project)</td><td>-</td></tr>
<tr><td></td><td></td><td>Awareness campaign and training on ‘Nela Jala’</td><td>
<table>
<tr><th>Tile</th><th>Date</th><th>Place</th><th>No. of participants</th></tr>
<tr><td rowspan="7">Soil and water conservation</td><td>10/1/2018</td><td>Sanikere Challakere Tq.</td><td>46</td></tr>
<tr><td>7-6-2018</td><td>Hiriyur</td><td>50</td></tr>
<tr><td>19-9-2018</td><td>Challakere</td><td>64</td></tr>
<tr><td>7-7-2018</td><td>Dharmpura</td><td>52</td></tr>
<tr><td>5-10-2018</td><td>Parasurampura</td><td>82</td></tr>
<tr><td>9.12.2018</td><td>Chikkajajuru, Holalkere</td><td>230</td></tr>
<tr><td>27.1.2019</td><td>Madadakere, Hosadurga</td><td>110</td></tr>
</table></td><td>-</td></tr>
<tr><td></td><td></td><td>Distribution and planting of seedlings in collaboration with Social Forestry Department</td><td>1000 forest seedlings were distributed to the village Shidlayanakote during August 2018</td><td>-</td></tr>
<tr><td></td><td></td><td>Promoting apiculture as an entrepreneurship</td><td>• 32 Beehives were distributed to farmers under IFSD and Onion seed production project during 2018-19
• Promotion of entrepreneurship in apiculture was emphasized during progressive farmers to farmers training program (3 days) and technology week celebration at KVK.</td><td>-</td></tr>
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<table>
<tr><th>Date</th><th>Tile</th><th>No. of participants</th></tr>
<tr><td>5-09-2018 to 7-09-2018</td><td rowspan="3">Farmers to farmers training</td><td>30</td></tr>
<tr><td>12-7-17 to 14-7-17</td><td>30</td></tr>
<tr><td>26-02-18 to 28-02-18</td><td>30</td></tr>
</table>
Bee keeping topic were covered in the following trainings
<table>
<tr><th>Date</th><th>Tile</th><th>No. of participants</th></tr>
<tr><td>10-09-2018</td><td>IPM in IFS</td><td>76</td></tr>
<tr><td>1-11-2018</td><td>IFS techniques for pest management</td><td>15</td></tr>
<tr><td>26.8.2018 and 27.8.2018</td><td>Importance of IFS in agriculture</td><td>48</td></tr>
<tr><td>08-06-2018</td><td>Onion seed production technologies</td><td>13</td></tr>
<tr><td>28-08-2018</td><td>ICM in onion seed bulb production</td><td>34</td></tr>
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<td>Conducting more FLD’s on specific technologies beneficial to farmers</td>
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Frontline Demonstration
<table>
<tr><th>Sl No.</th><th>Title of FLD</th></tr>
<tr><td>1</td><td>ICM in Finger Millet</td></tr>
<tr><td>2</td><td>ICM in Groundnut</td></tr>
<tr><td>3</td><td>Integrated Crop Management in Greengram</td></tr>
<tr><td>4</td><td>Integrated Crop Management in Watermelon</td></tr>
<tr><td>5</td><td>Demonstration of Bhima Super onion variety for late Kharif season</td></tr>
<tr><td>6</td><td>Integrated crop management in Mango</td></tr>
<tr><td>7</td><td>Integrated Nutrient Management in Banana</td></tr>
<tr><td>8</td><td>Integrated crop management in coconut</td></tr>
<tr><td>9</td><td>Integrated crop management in red gram(NFSM)</td></tr>
<tr><td>10</td><td>Integrated crop management in Bengal gram(NFSM)</td></tr>
<tr><td>11</td><td>Demonstration of nutri-farms for year round nutrition security among farm families</td></tr>
<tr><td>12</td><td>Integrated Crop Management in Chrysanthemum</td></tr>
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<td>Intervention on phyllody menace in Sesamum and conducting OFT, verification of groundnut varieties cultivated by farmers without department recommendation</td>
<td>OFT on Assessment of Sesame varieties for higher yield at Hosadurga and FLD on Groundnut variety G-2-52 at Shidlainkote, Hiriyur Tq. will be initiated during 2018-19</td>
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<td>Availability of small scale machineries for farm operations</td>
<td>• 1261 Trainees(39 on campus trainings) of KVK are made to visit custom hiring center established at ZAHRS , Babbur farm to create awareness on use of small scale machineries
• 12 Cycle weeders and 12 Ground decorticators were distributed to IFS farmers</td>
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<td>Promoting mulching technology using coconut fronds waste generated in the farm (Dr. Prakash and Dr. H.M. Thippeswamy – Method demonstrations)</td>
<td>
• Method demonstrations on mulching technology using coconut fronds at KVK - IFS plot of Mango orchard
• Method demonstrations on mulching technology using coconut fronds through on & off campus training programme during the year 2018-19
<table>
<tr><th>Date</th><th>Title</th><th>No. of participants</th></tr>
<tr><td>15.12.2018</td><td>Integrated management of wilt disease in coconut</td><td>26</td></tr>
<tr><td>31.12.2018</td><td>Integrated pest management in Arecanut</td><td>33</td></tr>
<tr><td>02-11-2018</td><td>INM in coconut</td><td>11</td></tr>
<tr><td>30-8-2018</td><td>Nutrient management in coconut</td><td>43</td></tr>
</table>
• Farmers adopted mulching technologies in
1. G. vaderahalli , Holalkere Tq.
2. Jayasuvarnapura , Hosdurga Tq. through KVK interventions
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<td>Enhancing availability of Greengram variety KKM-3 through ZAHRS , Hiriyur</td>
<td>
• Large scale demonstration on greengram variety KKM-3 was conducted at shidlayyanakote, Hiriyur Tq. and Ballalasamudra hosdurga Tq. during 2018-19
• 9 q seeds were produced at KVK & ZAHRS, Hiriyur plots during the year 2018-19
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<td>Promoting Protected cultivation and FPO’s for efficient marketing</td>
<td>
• Mr. Dinesh progressive farmer Upparigenahally , Holalkere Tq. has cultivated betelvine and pepper under greenhouse through KVK interventions
• Mr. Omkarappa progressive farmer Mathigatta , Holalkere Tq. has cultivated betelvine under greenhouse through KVK interventions
• Farmers will be linked to FPO’s for efficient marketing
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<td>Collaborative work on food preservation techniques, training on low cost diet, nutrition gardens in Anganwadi Kendras</td>
<td>
• No trainings were under taken due to vacancy of Scientist , Home science
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<td>Strategy for sustainable land utilization and cropping pattern for the areas to be covered in the upcoming Upper Bhadra Irrigation Project</td>
<td>
• On campus training were conducted on sustainable land utilization and cropping pattern during Krishi Abhiyana programme in collaboration with DoA
<table>
<tr><th>Tile</th><th>Date</th><th>Place</th><th>No. of participants</th></tr>
<tr><td rowspan="6">Information cropping system though bimonthly and KrishiAbhiyan</td><td>10/1/2018</td><td>Sanikere Challakere Tq.</td><td>46</td></tr>
<tr><td>22-2-2018</td><td>KVK</td><td>52</td></tr>
<tr><td>7-6-2018</td><td>Hiriyur</td><td>50</td></tr>
<tr><td>19-9-2018</td><td>Challakere</td><td>64</td></tr>
<tr><td>7-7-2018</td><td>Dharmpura</td><td>52</td></tr>
<tr><td>5-10-2018</td><td>Parasurampura</td><td>82</td></tr>
<tr><td>Radio programme</td><td>31-5-2018</td><td>AIR, Chitradurga</td><td></td></tr>
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<td>Create awareness on improvement of storage capacity of check dams</td>
<td>
• 1272 Trainees(40 traning programmes) of KVK are made to visit Farm pond and trench cum bunding at KVK Farm
• Creating awareness on storage capacity of check dams during Krishi Abhiyana programme in collaboration with DoA
<table>
<tr><th>Date</th><th>Title</th><th>Total No. of farmers</th></tr>
<tr><td>06-07-2018</td><td>RSK Hiriyur</td><td>85</td></tr>
<tr><td>06-07-2018</td><td>RSK Hiriyur</td><td>85</td></tr>
<tr><td>22.6.2018</td><td>Bharamasagara, Chitradurga taluk</td><td>180</td></tr>
<tr><td>19-09-2018</td><td>Challakere</td><td>64</td></tr>
<tr><td>05-10-2018</td><td>Parasurampura,Challakere</td><td>82</td></tr>
<tr><td>9.12.2018</td><td>Raiths Samparka Kendra, Chikkajajuru, Holalkere taluk</td><td>230</td></tr>
<tr><td>22.12.2018</td><td>Raiths Samparka Kendra, Mathodu, Hosadurga taluk</td><td>210</td></tr>
<tr><td>27.1.2019</td><td>RSK, Madadakere, Hosadurga taluk</td><td>110</td></tr>
</table>
• Exposer visits were made to progressive farmers' fields to create awareness on improvement of storage capacity of check dams
<table>
<tr><th>Date</th><th>Particulars</th><th>Place</th></tr>
<tr><td rowspan="2">06-09-2018</td><td rowspan="2">Visit to progressive Farm women field</td><td>Vaddikere,</td></tr>
<tr><td>Hiriyur Tq.</td></tr>
<tr><td>07-09-2018</td><td>Visit to progressive Farmer field</td><td>Halgondanahalli, Chalkere Tq</td></tr>
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<tr>
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<td>Conduct more programs especially farmers-scientist interactions and radio talks on the relevant technology on time bound basis</td>
<td>
• Farmers-scientist interactions was carried out during year 2018-19
<table>
<tr><th>Date</th><th>Title</th><th>Place</th><th>Total no. of farmers</th></tr>
<tr><td>08-02-2018</td><td>Organic village /Vermicompostin g</td><td>Challakere and Molakalmur</td><td>77</td></tr>
<tr><td>02-11-2018</td><td>INM in coconut</td><td>Hiriyur</td><td>12</td></tr>
</table>
• Below said radio talks were conducted on the relevant crop and season
<table>
<tr><th>Date</th><th>Title</th></tr>
<tr><td>29-5-2018</td><td>Improved production practices in fodder crops</td></tr>
<tr><td>29-5-2018</td><td>Weed control measures</td></tr>
<tr><td>29-5-2018</td><td>Improvement of soil health</td></tr>
<tr><td>29-5-2018</td><td>Importance of millets</td></tr>
<tr><td>29-5-2018</td><td>Improved production practices in groundnut</td></tr>
<tr><td>31-5-2018</td><td>Recent production technologies in Kharif crops</td></tr>
<tr><td>29-5-2018</td><td>Importance of soil testing</td></tr>
<tr><td>29-5-2018</td><td>Use of bio agents in agriculture</td></tr>
<tr><td>29-5-2018</td><td>Safe use of pesticides</td></tr>
<tr><td>29-5-2018</td><td>Pesticide residues in food</td></tr>
<tr><td>29-5-2018</td><td>Kitchen garden for nutritional food security</td></tr>
<tr><td>18-6-2018</td><td>Improved production practices for kharif crops</td></tr>
<tr><td>14-6-2018</td><td>Dry land horticulture techniques</td></tr>
<tr><td>14-6-2018</td><td>ICM in chrysanthemum</td></tr>
<tr><td>14-6-2018</td><td>Seed production techniques in onion</td></tr>
<tr><td>14-6-2018</td><td>Kharif season suitable vegetable crops</td></tr>
<tr><td>14-6-2018</td><td>Pit planting methods in perennial horticultural crops</td></tr>
<tr><td>17-7-2018</td><td>ICM in greengram</td></tr>
<tr><td>24-8-2018</td><td>ICM in fodder crops</td></tr>
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			15-11-2018 | Importance of IPM, use of Trichoderma, pesticide residue, safe use of pesticides and ETL	
		Conducting training on market intelligence and provide information on market for rural youths	• Two Trainings were conducted for 52 farmers on market intelligence at Shidlyanakote , Hiriyur Tq. • Formation of farmers society(50 members) for production and process of organic millets	-
		Soil health specific to organic carbon and water quality	• In collaboration with NBSS & LUP, Bangalore ,50 SHC were distributed to the farmers of Shidlyanakote , Hiriyur Tq. • 3 Trainings (72 farmers) were conducted in the adopted village Shidlyanakote , Hiriyur Tq.	-

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Agriculture
2	Agriculture + Animal husbandry
3	Agriculture + Horticulture
4	Agriculture + Animal Husbandry+ Horticulture
5	Agriculture + Sericulture + Horticulture + Animal Husbandry

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

S. No	Agro-climatic Zone	Characteristics
1	Central Dry Zone (Zone– IV) of Karnataka	Normal rain fall- 592 mm Max Temp- 38 Min Temp- 19.3 Hot semi arid Shallow and medium red and black soil

S. No	Agro ecological situation	Characteristics
1	Central Dry Zone	Total Geographical Area of the district: 7.70 lakh ha. total cultivable area is 4.05 lakh ha. In this 3.55 lakh ha. (58 %) is under rainfed condition and 0.5 lakh ha (12 %) is under irrigated condition

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in lakh ha
1	Red sandy loam with low rainfall	Soil are low in available nitrogen content, medium in phosphorus and potassium. Organic matter content is low and bulk density is moderate. Water holding capacity is less and soil depth is shallow natured.	1.96
2	Red sandy loam with medium rainfall	Available nutrients are medium in nature, micro nutrients like iron, copper, manganese are medium in nature. Molybdenum, boron and zinc are low. These soils are well drained and suitable for water logging sensitive crops, Low CEC.	1.36
3	Medium to deep black soils with medium rain fall	Soil depth is high (90 cm and above). These soil contain swelling and shrinking property because Montmorilinnite clay. These soils are suitable for cotton, maize, jowar, etc. Water holding capacity is more.	2.09

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

Crop	Area (ha)	Production(MT)	Productivity(kg/ha)
Maize	92414	246857	2726
Finger Millet	50728	62706	1200
Sorghum	1436	615	428
Redgram	15115	4284	473
Greengram	4184	383	310
Chick pea	40520	19993	493
Avare	2471	2009	1069
Groundnut	91596	51385	561
Sunflower	19533	10573	536
Seas mum	4176	2196	546
Coconut	58715	0.56 (million nuts)	9225 No's/ha
Banana	5790	160.45(000 ton)	24.0 t/ha
Mango	3,343	34,543.2 t	10.3 t/ha
Pomegranate	6911	62199 t	9.0 t/ha
Watermelon	307	9824	32.0 t/ha
Onion	32,887	6,44,910 t	19.60 t/ha
Chrysanthemum	617	8,124 t	13.16 t/ha
Arecanut	21694	43388	2000

* Data provided by JDA office 2016-17

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April -18	0	42.50	18.90	54.36
May -18	1.2	41.90	17.90	62.51
June-18	34.2	37.70	18.40	71.27
July-18	16	35.90	19.00	71.85
August-18	131.2	33.20	19.50	72.90
September-18	30.4	36.80	16.00	66.81
October-18	25.2	37.90	12.50	63.57
November-18	27	36.50	10.70	64.17
December -18	51	35.50	9.80	60.20
January-19	119.8	38.10	9.50	53.90
February-19	54.2	40.30	13.10	54.24
March-19	0	41.70	12.90	48.70

* Please provide latest data from authorized sources. Please quote the source

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

Category	Population	Production	Productivity
Cattle			
Crossbred	34806	6 LPD	10 LPD
Indigenous	239931	1.5 LPD	2 LPD
Buffalo	151895	2 LPD	3 LPD
Sheep	924231		
Crossbred	-	Meat	20 Kg / Animal
Indigenous	-	Wool	1 kg / year
Goats	226696	16 Kg/ Animal	18 kg/ Animal
Pigs	2810		
Crossbred	-	60 Kg/ Animal	80 kg/ Animal
Indigenous	-	40 Kg/ Animal	60 Kg/ Animal
Rabbits	1465		
poultry	161175		

Hens			
Desi	-	60-80 eggs / year	100 eggs / year
Improved	-	280 eggs / year	280 eggs / year

* Department of animal husbandry , Chitradurga

Category	Area	Production	Productivity
Fish	-	-	-
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

* Please provide latest data from authorized sources. Please quote the source

2.7 District profile has been Updated for 2017-18 Yes / No:

No

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Chellakere	Chellakere	Sanikere	2	Onion	• Low yield due to local varieties • No results of onion varieties suitable for Rabi season	Crop improvement
2	Chellakere	Chellakere	Gopanahalli	2	Onion	• Use of local variety i.e. Satara Gurva • Low Yield • No Variety suitable of *Kharif* • Imbalanced nutrition	Demonstration of Bhima Super variety and ICM
3	Chellakere	Parashurampura	Haravigondanahalli	1	Watermelon	• Fruit cracking, • Imbalanced nutrient application • Wilt disease	ICM
4	Chellakere	Talaku	Doddavullarthy	1	Mango	• Application of RDF (730:180:680 g NPK/Plant) • Foliar application of Arka Mango Special @ 5 g/l (First Spray: Jun-Jul, Second Spray: Oct-Nov, • Third Spray: Dec-Jan, Fourth Spray: Feb-Mar) • Demo of IIHR mango fruit fly trap for control of fruit flies@1 for 5 plants • Spraying of hexaconazole @ 1 ml/l for powdery mildew and imidachloprid @ 0.5 ml/l for hoppers	ICM
5	Hosdurga	Hosdurga	Balalasamudra	2	Sesamum	*Low yield *Phyllody	Crop Improvement
6	Hosdurga	Hosdurga	Mallihalli	4	Finger millet	*Low yield *Neck blast, lodging and susceptibility to drought *Non availability good quality fodder variety	Crop production
7	Hiriyur	Hiriyur	S.D. kote	5	Groundnut	*Plant population *Imbalanced nutrition Leaf minor, root grub and rust problem	Crop production

8	Hiriyur	Hiriyur	S.D. kote	3	Greengram	*Low yield due to local varieties *Non availability of high yielding varieties *Susceptibility to Yellow Mosaic *Imbalanced application of fertilizers	Crop production
9	Hiriyur	Hiriyur	Katanayakana halli	4	Banana	Low bunch yield due to imbalanced application of major and micro nutrients	Nutrient management
10	Hosdurga	Hosdurga	Kadavigere	4	Coconut	➢ Less yield due to imbalanced nutrition ➢ Flower and nut drop ➢ Incidence of pest and diseases	ICM
11	Challakere	Challakere	Gopanahalli	3	Redgram	*Low yield due to pod borer, leaf webber, Pigeon pea sterility mosaic and wilt disease	Crop production
12	Hiriyur	Hiriyur	Huvinahole	4	Bengalgram	*Low yield due to pod borer, wilt disease	Crop production
13	Hiriyur	Hiriyur	Myadanahole	2	Nutrition garden	*Lack of awareness on nutritional security	Nutrition security
14	Hosdurga	Hiriyur	V.V. Pura	2	Minor millets	*Lack of processing machinery, knowledge on branding and market linkage	Processing
15	Chitradurga	Chitradurga	Hampanur	2	Avare	*Low yield due to poor nutrient uptake under moisture stress in rainfed condition	Crop production
16	Hiriyur	Hiriyur	Maskal	1	Chrysanthemum	• Imbalanced nutrient management • Flower malformation, sucking pest, bud borer and leaf blight	ICM

2.9 Priority thrust areas

S. No	Thrust area
1.	Salt affected Soil Management
2.	Water Management
3.	Integrated Pest and Disease Management in Pomegranate, coconut, areca nut, pulses, watermelon, chrysanthemum,
4.	Seed production (Onion)
5.	Weed management
6.	Fodder productivity
7.	Value addition, branding and marketing
8.	FPO Linkage
9.	Nutrient management in coconut, banana, arecanut, pomegranate, papaya
10.	Dry land farming

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**	**6**	**6**	**12**	**12**	**104**	**104**
				1(EDP)	1	-	-

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
67	77	1930	2553	**2902**	2912	**112280**	526739

Seed Production (Q)		Planting materials (Nos.)	
5		6	
Target(kg)	Achievement (kg)	Target(Nos)	Achievement
Foxtail millet-2200	-	Coconut(Arasikere tall/Tiptur tall)-1000	-
Fodder sorghum-100	17	Lime(Balaji)-1000	400
Chickpea-3000	808	Mango(Mallika&Alphanso)-500	-
Redgram- 1200	1700	Drumstick (Bhagya/PKM-1)-5000	750
Green gram-1200	295		

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	Poultry (250 No's)	Trichoderma -700	350
-		Pseudomonas-700	350

3.B1. Abstract of interventions undertaken

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	**Crop improvement**	**Onion**	• Low yield due to local varieties •No results of onion varieties suitable for Rabi season	Assessment of suitable onion varieties for Rabi season	-	**3**	-	**1**	**1**	12 kg	-	-	-	-
2	ICM	Onion	• Use of local variety i.e. Satara Gurva • Low Yield • No Variety suitable of late *Kharif* • Imbalanced nutrition • Incidence of Thrips	-	Integrated crop management in onion for higher bulb yield	**5**	-	**1**	**2**	40 kg	-	-	-	-

3	ICM	Chrysanthemum	•Imbalanced nutrient management •Flower malformation, sucking pest, bud borer and leaf blight	-	Integrated Crop Management in Chrysanthemum	4	-	1	2	-	-	-	2	20 kg
4	ICM	Water melon	• Fruit cracking • Imbalanced nutrient application • Wilt disease	-	Integrated Crop Management in Watermelon	3	-	-	1	-	-	-	-	-
5	ICM	Mango	• Low yield due to imbalance nutrient management • Flower and fruit drop • Incidence of powdery mildew, hopper and fruit flies	-	Integrated Crop Management in Mango	2	-	-	1	-	-	-	-	-
	Variety	Sesamum	*Low yield *Phyllody	Assessment of sesamum varieties for higher yield	-	2	-	1	3	8 kg	-	-	3	12
	Crop improvement	Field bean (Avare)	•Low yield due to poor nutrient uptake under moisture stress in rainfed condition	Assessment of foliar nutrients for higher productivity in Avare	-	-	-	-	-	15 kg	-	-	1	**2**
	ICM	Finger millet	*Low yield *Neck blast, lodging and susceptibility to drought *Non availability good quality fodder variety	-	ICM in Finger Millet	2	1	1	4	50kg	-	-	3	30
	ICM	Groundnut	*Plant population *Imbalanced nutrition Leaf minor, root grub and rust problem	-	ICM in Groundnut	**2**	1	1	5	4 q	-	-	3	30
	ICM	Green gram	*Low yield due to local varieties *Non availability of high yielding varieties *Susceptibility to Yellow Mosaic *Imbalanced application of fertilizers	-	Integrated Crop Management in Greengram	**2**	1	1	4	75kg	-	-	5	15

	ICM	Coconut	• Less yield due to imbalanced nutrient management • Flower and nut drop • Severity of pest and disease problems	-	Integrated crop management in Coconut	1	-	-	-	40kg	-	-	1	20
	INM	Banana	• Low bunch yield due to imbalanced application of major and micro nutrients		Integrated nutrient management in Banana	1	-	-	-	-	-	-	-	-
	ICM	Redgram	*Low yield due to pod borer, leaf webber, Pigeon pea sterility mosaic and wilt disease	-	Integrated crop management in red gram(NFSM)	2	-	-	2	60kg	-	-	2	20
	ICM	Bengalgram	*Low yield due to pod borer, wilt disease	-	Integrated crop management in Bengal gram(NFSM)	2	-	-	3	250kg	-	-	2	20
	Vegetables	Nutrition garden	*Lack of awareness on nutritional security		Demonstration of nutri-farms for year round nutrition security among farm families	2	-	-	2	5 vegetable seed kits	-	-	1	5
	Value addition	Minor millets	*Lack of processing machinery, knowledge on branding and market linkage		Value addition, branding & market linkage of Minor Millets	2	-	-	2	-	Weighing balance ,and polythene covers	-	-	-

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 (Specify)
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Assessment of suitable onion varieties for Rabi season	DOGR-Pune, NHRDF-Nasik, IIHR-Bengaluru	Onion	OFT	-	4	-
2	Assessment of sesamum varieties for higher yield	UAS (D) UAS (B)	Sesamum	OFT	-	3	Demonstration & Field day
3	Assessment of foliar nutrients for higher productivity in Avare	UAS, Raichur and IIHR, Bangalore	Avare	OFT		-	-
4	Integrated crop management in onion for higher bulb yield	DOGR-Pune	Onion	-	FLD	6	Demonstration & Field day
5	Integrated Crop Management in Chrysanthemum	IIHR-Bengaluru and UHS B	Chrysanthemum	-	FLD	5	Demonstration & Field day
6	Integrated Crop Management in Watermelon	IIHR-Bengaluru	Watermelon	-	FLD	3	Demonstration & Field day
7	Integrated Crop Management in Mango	IIHR-Bengaluru	Mango	-	FLD	2	Demonstration & Field day
8	ICM in Finger Millet	UAS (B)	Finger Millet	-	FLD	4	Demonstration & Field day

9	ICM in Groundnut	UAS (D)	Groundnut	-	FLD	4	Demonstration & Field day
10	Integrated Crop Management in Greengram	UAHS (S)	Greengram	-	FLD	3	Demonstration & Field day
11	Integrated crop management in Coconut	UHS (B)	Cconut		FLD	1	Demonstration & Field day -
12	Integrated nutrient management in Banana	IIHR, Bangalore	Banana		FLD	1	Demonstration
13	Integrated crop management in red gram	UHS (B)	Red gram		FLD	2	Demonstration
14	Integrated crop management in Bengal gram	UHS (B)	Bengal gram		FLD	2	Demonstration & Field day
15	Demonstration of nutri-farms for year round nutrition security among farm families	UHS,B	Vegetables		FLD	2	Demonstration
16	Value addition, branding & market linkage of Minor Millets	UAS(D)	Millets		EDP	2	Demonstration

3.B2 contd..

No. of farmers covered															
OFT				**FLD**				**Training**				**Others (Specify)**			
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	-	1	-	-	-	-	-	35	5	10	5	-	-	-	-
2	-	-	-	-	-	-	-	28	6	10	5	22	12	11	6
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				10	-		-								
-	-	-	-	3	-	2	-	175	50	29	9	-	-	-	-
-	-	-	-	12	-	-	-	75	20	15	6	-	-	-	-
				9	-	3	-	102	15	25	14	-	-	-	-
-	-	-	-	10	-	-	-	65	15	24	10	19	11	12	6
-	-	-	-	8	-	2	-	92	18	32	12	31	9	19	10
-	-	-	-	5	-	-	-	52	14	16	8	95	25	30	15
-	-	-	-	6	-	4	-	37	4	5	1	14	4	8	2
-	-	-	-	4	-	5	1	6	0	4	0	9	0	6	0
-	-	-	-	9	0	1	0	53	0	8	0	-	-	-	-
-	-	-	-	0	10	0	0	43	19	38	24	-	-	-	-
-	-	-	-	4	0	1	0	5	2	0	0	-	-	-	-
-	-	-	-	0	15	0	0	6	12	5	18	-	-	-	-

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management					Avare – 2 trials					1
Varietal Evaluation					**Onion 2- trials**					**1**
		Sesamum- 2- **trials**								**1**
Integrated Pest Management	-	-	-	-	-	-	--	-	-	-
Integrated Crop Management	-	-	-	-	-	-	--	-	-	-
Integrated Disease Management	-	-	-	-	-	-	--	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	--	-	-	-
Weed Management	-	-	-	-	-	-	--	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	--	-	-	-
Farm Machineries	-	-	-	-	-	-	--	-	-	-
Integrated Farming System	-	-	-	-	-	-	--	-	-	-
Seed / Plant production	-	-	-	-	-	-	--	-	-	-
Value addition	-	-	-	-	-	-	--	-	-	-
Drudgery Reduction	-	-	-	-	-	-	--	-	-	-
Storage Technique	-	-	-	-	-	-	--	-	-	-
Mushroom cultivation	-	-	-	-	-	-	--	-	-	-
Total	**-**	**1**	**-**	**-**	**2**	**-**	**-**	**-**	**-**	**3**

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	--	-	-	-
Varietal Evaluation	-	-	-	-	-	-	--	-	-	-
Integrated Pest Management	-	-	-	-	-	-	--	-	-	-
Integrated Crop Management	-	-	-	-	-	-	--	-	-	-
Integrated Disease Management	-	-	-	-	-	-	--	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	--	-	-	-

Weed Management	-	-	-	-	-	-	--	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	--	-	-	-
Farm Machineries	-	-	-	-	-	-	--	-	-	-
Integrated Farming System	-	-	-	-	-	-	--	-	-	-
Seed / Plant production	-	-	-	-	-	-	--	-	-	-
Value addition	-	-	-	-	-	-	--	-	-	-
Drudgery Reduction	-	-	-	-	-	-	--	-	-	-
Storage Technique	-	-	-	-	-	-	--	-	-	-
Mushroom cultivation	-	-	-	-	-	-	--	-	-	-
Total	-	-	-	-	-	-	--	-	-	-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

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 trial covering all the Technological Options)
Integrated Nutrient Management	Avare	Assessment of foliar nutrients for higher productivity in Avare	2	2	0.4 ha
Varietal Evaluation	Onion	Assessment of suitable onion varieties for Rabi season	2	2	0.4 ha
	sesamum	Assessment of sesamum varieties for higher yield	2	2	0.4 ha
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-

Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
		Total	**6**	**6**	**1.2**

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-

Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total			-	-

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total	-	-	-	-

4.C1. Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield		Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10		11	12	13
									Days to harvesting (Days)	Bulb size & color			
Onion	Irrigated	• Low yield due to local varieties • No results of onion varieties suitable for Rabi season	Assessment of suitable onion varieties for Rabi	2	T.O.1 (Farmer practice)	Satara Gurva	23.5	t/ha	115	Med.& Red	157500	3.03	-
					T.O.2	Arka Niketan	25.2		130	Med & Light red	174500	3.25	-
					T.O.3	Bhima	24.3		130	Med &	165500	3.13	-

			season			Shakti				Light red			
					T. O. 4	NHRDF -28 Red	22.1		120	Med & Dark red	99300	2.28	-
									No. of capsules/plant	**No. of seeds/capsules**			
Sesamum	Rainfed	➢ Low yield due to local varieties ➢ Non availability of high yielding varieties Susceptibility to Phyllody disease	Assessment of Sesamum varieties for higher yield	2	T.O .1 (Farmers practice)	-	2.14	q/ha	35.1	53.1	12491	2.09	-
					T.O.2: GT-4	**UAS (B)**	2.88		48.3	58.3	19405	2.52	-
Avare	Protective irrigation	Low yield due to poor nutrient uptake under moisture stress in rainfed condition	Assessment of foliar nutrients for higher productivity in Avare	2	Crop vitiated due to lack of irrigation water								

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. **Title of Technology Assessed:**

Assessment of suitable onion varieties for Rabi season

2. Performance of the Technology on specific indicators: The technological option-3 i.e. Bhima shakti variety is performing well and that is on par with respect to yield of 24.3 t/ha as compared with farmers practice i.e Satara Gurva of 23.5 t/ha.

3. Specific Feedback from farmers: The Bhima Shakti variety is good market demand due to medium size and high yielder compared to satara gurva and whereas NHRDF 28 Red which was not preferred by consumers due to its red color and fetches less market price

4. Specific Feedback from Extension personnel and other stakeholders: Bhima Shakti and Arka Niketan does not skin out, medium sized, light red colour and very much preferred by consumer.

5. Feedback to Research System based on results and feedback received: Nil

2. Title of Technology Assessed :

Assessment of Sesamum varieties for higher yield

2. Performance of the Technology on specific indicators : **The variety GT-4 recorded better yield over local and this variety is tolerant to phyllody disease.**

3.Specific Feedback from farmers : High yielding with disease tolerant variety

4. Specific Feedback from Extension personnel and other stakeholders : GT-4 is disease tolerant variety

5. Feedback to Research System based on results and feedback received: Develop phyllody disease resistant and high yielding varieties

4.D1. Results of Technologies Refined

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

4.D.2. Details of Technologies refined: Nil

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety / breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small / Marginal	Others
	Oilseeds	Rainfed	Kharif	Groundnut	G2-52	-	ICM	Introduction of new variety-G2-52	4	4	2	8	5	5

								Biofertilizer-Rhizobium, PSB, @ 375 g /ha Trichoderma Chloropyriphos @ 15 ml/kg seeds Mechanized seed drill FYM : 7.5 t/ha RDF : 25:50:25 NPK kg /ha Micronutrients (10 kg $ZnSO_4$ and 0.1% borax						
	Pulses													
		Rain fed	Kharif	Green gram	KKM-3	-	ICM	Demonstration of new variety-KKM-3 Seed treatment with Rhizobium , PSB & Trichoderma @ 4 kg /ha seeds Spray with Imidachloprid @ 0.05 % FYM : 2.5 t/ha RDF : 13: 25:25 NPK kg /ha Foliar spray of 19:19:19	2	2	-	5	3	2
		Rain fed	Rabi	Bengalgram	JAKI - 9218	-	ICM	Variety – JAKI - 9218 FYM – 7.5 t /ha, N:P:K 12.5:25:25 kg/ha, Foliar spray 19:19:19 – 2g/l, Chickpea special 10g/l Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha. Pheromone traps – 10 No.s/ha	4	4	-	10	8	2

								HaNPV – 300 LE/ha. Bengal gram : Coriander - 10:1 Use of Bird perches Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l						
		Rain fed	Kh arif	Redgr am	BRG -5	-	ICM	Introduction of new variety BRG-5 FYM –7.5 t/ha, N:P:K 25:50:25 kg/ha, Sulphur- 20 kg, $ZnSO_4$ –15 kg/ha, Pulse Magic 10g/l foliar spray Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500g/ha. Pheromone traps – 10 Nos. / ha , HaNPV – 300 LE/ha. Use of Bird perches Dicofol 18.5 EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l	4	4	1	9	10	-
	Cereals													
	Millets	Rain fed	Kh arif	Finge rmille t	ML-365	-	IC M	Introduction of new variety –ML-365 Seed treatment with Biofertilizers - Azospirillum and PSB,@ 4 g/kg. Biopesticide -Trichoderma @ 4 g/kg FYM: 7.5 t/ha RDF- 50:40:25 NPK/ha Micronutr	4	4	-	1 0	5	5

								ients ($ZnSO_4$ 10 kg/ha)						
	Vegetables													
		Irrigated	Kharif	Onion	Bhima Super	-	ICM	• Demonstration of Bhima Super Variety for *Kharif* • Soil test based RDF application and spraying of Arka Vegetable Special • Seed treatment with trichoderma • Use of Yellow sticky traps for management of of Thrips • Growing of high stature crops as barriers in all along the crop	2	4	0	10	Small	-
		Irrigated	Summer	watermelon	-	Sugar Star	ICM	• Balanced application of nutrients (RDF) • FYM: 25 t/ha • Micronutrients: Foliar spray of Arka Vegetable Special application • Bio-inputs: Soil application of Trichoderma and PSB, • Use of yellow sticky traps for management of vectors	5	5	-	12	Small	-
		Irrigated	Kharif	Vegetables	Vegetable kit	-	Nutrition security	*AICRP model* - Scientific nutrition garden	500m^2	500m	1	4	**3**	2
	Flowers	Irrigated	Kharif	Chrysanthemum	Chandani local	-	ICM	• RDF: 100:600:10	2	2	2	3	Marginal	-

								0 kg/ha FYM-25 t/ha • Micronutrients: $ZnSO_4$ @ 10 kg /ha and Borax @ 2.5 kg /ha • FYM enrichment with Trichoderma, PSB, Pseudomonas • Methyl parathion 50 E.C. @ 1ml/l and Mancozeb 75 W.P. @ 2g/l.						
	Ornamental													
	Fruit													
	Fruit	Rain fed	Rabi to Summer	Mango	Alphanso	-	ICM	✓Application of RDF (730:180:680 g NPK/Plant) ✓Foliar application of Arka Mango Special @ 5 g/l (First Spray: Jun-Jul, Second Spray: Oct-Nov, Third Spray: Dec-Jan, Fourth Spray: Feb-Mar) ✓Demo of IIHR mango fruit fly trap for control of fruit flies@1 for 5 plants ✓Spraying of hexaconazole @ 1 ml/l for powdery mildew and imidachloprid @ 0.5 ml/l for hoppers	5	5	3	9	-	others
		Irrigated	*Kharif* to summer	Banana	Puttabale	-	INM	• Application of FYM: 40 t/ha + RDF: 400:240:500 NPK kg/ ha • Split application of major	4	4	4	6	6	4

								nutrients once in 35 days • (5 times) • Micronutrient foliar application (Arka banana special @ 0.5 %)						
	Spices and condiments													
	Commercial													
	Medicinal and aromatic													
	Fodder													
	Plantation	Rainfed with protective irrigation	*Kharif*	Ccon ut	Malaysian orange and local variety	-	ICM	•FYM – 50 kg/tree , RDF: N:P:K 500:240:320 g/tree , $MgSO_4$ 250g/tree •Split application (May-June and September-October of fertilizers •Green manuring using sunnhemp •Integrated pest and disease management •Soil test based Micronutrients	4	4	6	4	8	2
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
	Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-
	Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commo	-	-	-	-	-	-	-	-	-	-	-	-	-

	n carps													
	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-

5.A. 1. Soil fertility status of FLDs plots, if analysed

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds	Rainfed	Kharif 2018	Groundnut	G2-52	-	ICM	Introduction of new variety-G2-52 Biofertilizer-Rhizobium, PSB, @ 375 g /ha Trichoderma Chloropyriphos @ 15 ml/kg seeds Mechanized seed drill FYM : 7.5 t/ha RDF : 25:50:25 NPK kg /ha Micronutrients (10 kg $ZnSO_4$ and 0.1% borax	Kharif 2018	L	M	H	Greengram
	Pulses												
		Rainfed	Kharif	Green gram	KKM-3	-	ICM	Demonstration of new variety-	Kharif	L	M	H	Finger millet

			2018					KKM-3 Seed treatment with Rhizobium , PSB & Trichoderma @ 4 kg /ha seeds Spray with Imidachloprid @ 0.05 % FYM : 2.5 t/ha RDF : 13: 25:25 NPK kg /ha Foliar spray of 19:19:19	2018				
		Rainfed	Kharif 2018	Redgram	BRG-5	-	ICM	Introduction of new variety BRG-5 FYM –7.5 t/ha, N:P:K 25:50:25 kg/ha, Sulphur- 20 kg, $ZnSO_4$ –15 kg/ha, Pulse Magic 10g/l foliar spray Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB –500g/ha. Pheromone traps – 10 Nos. / ha , HaNPV – 300 LE/ha. Use of Bird perches Dicofol 18.5 EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l	Khari f 2018	L	M	H	Fingermillet
		Rainfed	Rabi 2018	Bengalgram	JAKI-9218	-	ICM	Variety – JAKI - 9218 FYM – 7.5 t /ha, N:P:K 12.5:25:25 kg/ha, Foliar spray 19:19:19 – 2g/l, Chickpea special 10g/l Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha. Pheromone traps – 10	Rabi 2018	M	M	H	Onion

								No.s/ha HaNPV – 300 LE/ha. Bengal gram : Coriander - 10:1 Use of Bird perches Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l					
	Cereals												
	Millets	Rainfed	Kharif 2018	Finger millet	ML-365	-	ICM	Introduction of new variety –ML-365 Seed treatment with Biofertilizers-Azospirillum and PSB,@ 4 g/kg. Biopesticide - Trichoderma @ 4 g/kg FYM: 7.5 t/ha RDF-50:40:25 NPK/ha Micronutrients ($ZnSO_4$ 10 kg/ha)	Kharif 2018	L	M	H	Greengram
	Vegetables	Irrigated	Kharif 2018-19	Onion	Bhima Super	-	ICM	• Demonstration of Bhima Super Variety for *Kharif* • Soil test based RDF application and spraying of Arka Vegetable Special • Seed treatment with trichoderma • Use of Yellow sticky traps for management of of Thrips • Growing of high stature crops as barriers in all along the crop	Late Kharif 2018-19	L	M	H	Finger millet
		Irrigated	Summe 2018-19	watermelon	-	Sugar Star	ICM	• Balanced application of nutrients (RDF) • FYM: 25 t/ha • Micronutrients: Foliar spray of	Summe 2018-19	M	M	H	Ground nut

								Arka Vegetable Special application • Bio-inputs: Soil application of Trichoderma and PSB, • Use of yellow sticky traps for management of vectors					
		Irrigated	Khaif 2018-19	Vegetables	Vegetable kit	-	Nutrition security	*AICRP model* - Scientific nutrition garden	Khaif 2018-19	L	M	H	Chrysanthemum
	Flowers	Irrigated	Khaif 2018-19	Chrysanthemum	Chandani local	-	ICM	• RDF: 100:600:100 kg/ha FYM-25 t/ha • Micronutrients: $ZnSO_4$ @ 10 kg /ha and Borax @ 2.5 kg /ha • FYM enrichment with Trichoderma, PSB, Pseudomonas • Methyl parathion 50 E.C. @ 1ml/l and Mancozeb 75 W.P. @ 2g/l.	Kharif 2018-19	L	M	H	Finger millet
	Ornamental												
	Fruit	Rain fed	Rabi-Summer 2018-19	Mango	Alphanso	-	ICM	✓ Application of RDF (730:180:680 g NPK/Plant) ✓ Foliar application of Arka Mango Special @ 5 g/l (First Spray: Jun-Jul, Second Spray: Oct-Nov, Third Spray: Dec-Jan, Fourth Spray: Feb-	Rabi-Summer 2018-19	L	M	H	Mango

								Mar) ✓ Demo of IIHR mango fruit fly trap for control of fruit flies@1 for 5 plants ✓ Spraying of hexaconazole @ 1 ml/l for powdery mildew and imidachloprid @ 0.5 ml/l for hoppers					
		Irrigated	*Kharif* 2018	Banana	Puttabale	-	INM	• Application of FYM: 40 t/ha + RDF: 400:240:500 NPK kg/ ha • Split application of major nutrients once in 35 days • (5 times) • Micronutrient foliar application (Arka banana special @ 0.5 %)	*Kharif* 2018	L	M	M	Banana
	Spices and condiments												
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation	Semi-irrigated	*Kharif* 2018	Coconut	Malaysian orange and local variety	-	ICM	•FYM – 50 kg/tree , RDF: N:P:K 500:240:320 g/tree , $MgSO_4$ 250g/tree •Split application(May-June and September-October of fertilizers •Green manuring using sunnhemp •Integrated pest and disease	*Kharif* 2018	L	L	M	Coconut

								management •Soil test based Micronutrients					
	Fibre												

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	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										
Oilseeds																			
Groundnut	Variety G2-52 2. Biofertilizers- Rhizobium & PSB , Biopesticide- Trichoderma Use of micronutrients (10 kg $ZnSo_4$) Herbicide : 2.5 kg Alachlor /ha RDF- 25:50:25 kg NPK+ 5 t FYM/ha + 500 kg gypsum/ha 19:19:19 fertilizer sprayed at 35 DAS Foliar spray of 0.1% borax at the time flowering	G 2-52	-	Rainfed	10	4	10.2	9.2	9.7	8.1	19.8	18663	40560	21897	2.17	17303	34080	16777	1.97
Pulses																			

Green gram	Demonstration of new variety-KKM-3 Seed treatment with Rhizobium, PSB & Trichoderma @ 4 kg /ha seeds Spray with Imidachloprid 17.8 SL @ 0.05 % FYM : 2.5 t/ha RDF : 13: 25:25 NPK kg /ha Foliar spray of 19:19:19	KKM-3	-	Rainfed	5	2	7.1	6.5	6.8	5.3	28.3	14724	34040	19316	2.31	12986	26280	13294	2.02
Bengalgram	Variety – JAKI-9218 FYM – 7.5 t /ha, N:P:K 12.5:25:25 kg/ha, Foliar spray 19:19:19 – 2g/l, Chickpea special 10g/l Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha. Pheromone traps – 10 No.s/ha HaNPV – 300 LE/ha. Bengal gram : Coriander - 10:1 Use of Bird perches Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l	JAKI-9218	-	Rainfed	10	4	8.5	6.3	7.4	6.18	16.5	15760	35340	19580	2.24	15090	29640	14550	1.96

Redgram	Introduction of new variety BRG-5 FYM –7.5 t/ha, N:P:K 25:50:25 kg/ha, Sulphur- 20 kg, $ZnSO_4$ –15 kg/ha, Pulse Magic 10g/l foliar spray Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500g/ha. Pheromone traps – 10 Nos. / ha , HaNPV – 300 LE/ha. Use of Bird perches Dicofol 18.5 EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l	BRG-5	-	Rainfed	10	4	Crop failure due to drought											
Cereals																			
Millets																			
Finger millet	Demonstration of KMR-630 variety Seed treatment with Biofertilizers- Azospirillum and PSB,@ 4 g/kg seeds. Biopesticide - Trichoderma @ 4 g/kg seeds FYM: 7.5 t/ha RDF- 50:40:25 NPK/ha Micronutrients ($ZnSO_4$ 10 kg/ha)	ML-365		Rainfed	10	4	13.4	12.2	12.8	10.6	20.1	15915	37019	21104	2.33	14141	30827	16686	2.18

Vegetables																			
Onion	Integrated crop management in onion for higher bulb yield	Bhima Super	-	Irrigated	10	4	29.8	27.2	28.50	20.12	29.40	85,000	2,85,000	2,00,000	3.35	75,000	2,01,200	1,26,200	2.68
Watermelon	Integrated crop management in watermelon	-	Sugar Star	Irrigated	12	5	40.1	34.9	37.50	33.50	10.66	14 50 00	37 50 00	23 00 00	2.58	14 00 00	33 50 00	19 50 00	2.39
Vegetables	Demonstration of nutri-farms for year round nutrition security among farm families	Vegetable kit	-	Irrigated	5	500 m^2													
Flowers																			
Chrysanthemum	Integrated crop management in chrysanthemum	Chandani Local	-	Irrigated	5	2	7.9	5.0	6.50	5.31	18.30	18 60 30	3,90,000	2,03,970	2.09	17 64 70	3,18,600	1,42,130	1.80
Ornamental																			
Fruit																			
Mango	Integrated crop management in Mango	Alphanso	-	Rainfed	5	12	Results are awaited (Crop at fruit maturing stage as on 3rd May 2019)												
(2017-18)	Integrated nutrient management in Banana	Puttabale	-	Irrigated	10	4	15	9.5	11.4	8.2	28.07	12 40 00	34 20 00	21 80 00	2.76	10 50 00	24 63 00	14 13 00	2.34
(2018-19)	Integrated nutrient management in Banana	Puttabale	-	Irrigated	10	4	Results are awaited (10 months old crop)												
Spices and condiments																			
Commercial																			
Fibre crops like cotton																			

Sl. No.	Name of the farmer	Expenditure per month(Rs.)	
		Before(Range)	After(Range)
1	Mr. Siddappa, Hemadala	800-1000	300-400
2	Mr. Ninganna, Chillahalli	500-600	100-150
3	Mr. Shivamurthy, Bheemanabande	800-1000	200-300
4	Mr. Henjarappa, Hariyabbe	600-700	100-150
5	Mr. Shanmuka, Myadanahole	600-800	100-200

Medicinal and aromatic																			
Fodder																			
Plantation	Integrated crop management in Coconut	Malaysian Orange and local variety	-	Rainfed	10	4	7300 nuts/ha	5500 nuts/ha	6300 nuts/ha	4900 nuts/ha	22.22	40,955	69,300	28,345	1.69	30,625	44,100	13,475	1.44
Fibre																			
Others (pl.specify)																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H – Highest Yield, L – Lowest Yield A – Average Yield

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
ICM in Groundnut		
Spodoptera litura **(Per cent damaged foliage)**	5.8	8.5
Leaf spot (1-9 scale)	3.8	5.4
No of plants / sq m	33	23
ICM in Greengram		
% Yellow mosaic	5.1	10.6
ICM in Finger millet		
Neck blast (%)	5.6	8.9
ICM onion for higher bulb yield a) Days to harvest (days) b) Bulb Size and color (Visual observation)	 130-135 Big and Pinkish red	 115-120 Big and Red
ICM in watermelon a) Vine length (cm) b) Incidence of fruit splitting (%) c) WBNV incidence (%)	 175.4 1.5 20.30	 163.5 2.75 20.25
ICM chrysanthemum a) Plant height (cm) b) Deformed flower (%)	 65.9 2.50	 60.5 3.75
1. ICM in Coconut a) No. of nuts per tree (No.) b) no. of nut drop per tree (No.) c) percent nut drop (%)	 63 10 14	 49 13 20
2. Integrated nutrient management in Banana(2017-18) a) Bunch weight (kg) b) no of fruits per bunch (No.)	 13.4 112	 11.3 98

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (kg/animal)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**
-	-	-
-	-	-
-	-	-
-		-

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

-	-	-
-	-	-
-	-	-
-		-

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety / species	No. of Demo	Units/ Area {m^2}	Yield				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	Value addition, branding & market linkage of Minor Millets	-	1 SHG	-	-	-	-	-	Ragi malt -	160	360	200	2.25	20	38	18	1.90
									Siri Mix	200	460	260	2.30				
									Healthy Mix	110	400	290	3.63				

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
-	-	-

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ ha)	*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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
-	-	-
-	-	-
-	-	-

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	6	250	-
2	Farmers Training	43	1087	-
3	Media coverage	5	--	-
4	Training for extension functionaries	-	--	-
5	Others (Please specify) Method demonstrations	7	128	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paddy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blackgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

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	1	15	5	20	8	2	10	23	7	30
Resource Conservation Technologies	1	18	4	22	6	2	8	24	6	30
Cropping Systems	1	18	4	22	6	2	8	24	6	30
Crop Diversification	1	25	6	31	8	2	10	33	8	41
Integrated Farming	1	30	5	35	10	4	14	40	9	49

Micro Irrigation/Irrigation	1	25	6	31	8	2	10	33	8	41
Seed production	2	64	4	68	40	-	40	104	4	108
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	11	187	38	225	67	19	86	254	57	311
Soil and Water Conservation	1	18	10	28	5	2	7	23	12	35
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Organic farming	1	14	4	18	5	2	7	19	6	25
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	6	72	1	73	25	13	38	97	14	111
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	12	0	12	15	-	15	27	0	27
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	2	44	17	61	22		22	66	17	83
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-

Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	6	91	20	111	31	17	48	122	37	159
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	1	45	8	53	6	5	11	51	13	64
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-

Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	3	97	17	114	46	11	57	143	28	171
Integrated Disease Management	2	40	8	48	28	5	33	68	13	81
Bio-control of pests and diseases	2	59	10	69	23	20	43	82	30	112
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-

Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	2	40	18	58	14	19	33	54	37	91
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**46**	**914**	**185**	**1099**	**373**	**127**	**500**	**1287**	**312**	**1599**

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(All topics covered under ICM)										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	3	56	3	59	13	2	15	69	5	74
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	7	134	30	164	38	11	49	172	41	213
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	6	109	7	116	26	4	30	135	11	146
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	19	0	19	15	0	15	34	0	34
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)Flowers	2	24	0	24	10	0	10	34	0	34
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management	-	-	-	-	-	-	-	-	-	-

technology										
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-

Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	4	95	29	124	29	15	44	124	44	168
Integrated Disease Management	3	100	6	106	22	7	29	122	13	135
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-

Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**26**	**537**	**75**	**612**	**153**	**39**	**192**	**690**	**114**	**804**

7.C. Training for Rural Youths 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**
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	1 (6days)	10	0	10	5	0	5	15	-	15
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-

Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**1 (6days)**	**10**	**-**	**10**	**5**	**-**	**5**	**15**	**-**	**15**

7.D. Training for Rural Youths 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**
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-

Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

7.E. Training programmes for Extension Personnel 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**
Productivity enhancement in field crops	2	112	19	131	10	5	15	122	24	146
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify) Seed production	1	19	8	27	9	0	9	28	8	36
Total	**3**	**131**	**27**	**158**	**19**	**5**	**24**	**150**	**32**	**182**

7.F. Training programmes for Extension Personnel 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
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
2	**Production and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**	-	-	-	-	-	-	-	-	-	-
4	**Production of Inputs at site**	1	10	0	10	5	-	5	15	0	15
5	**Methods of protective cultivation**	-	-	-	-	-	-	-	-	-	-
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**	-	-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**	-	-	-	-	-	-	-	-	-	-
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-

11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**1**	**10**	**0**	**10**	**5**	**-**	**5**	**15**	**-**	**15**

Details of sponsoring agencies involved
1. MANAGE , Hydrabad

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

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.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
2	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**	-	-	-	-	-	-	-	-	-	-
4.a.	Vermi-composting	1	10	-	10	5	-	5	15	0	15
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	1	10	3	13	8	4	12	18	7	25
4.i.	Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
4.j.	Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
4.k.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	**2**	**20**	**3**	**23**	**13**	**4**	**17**	**33**	**7**	**40**

PART VIII – EXTENSION ACTIVITIES

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	8	368	110	478	184	74	257	10	3	13
Kisan Mela	10	250000	75000	325000	125000	50000	175000	35	25	60
Kisan Ghosthi	8	541	162	703	271	108	379	110	25	135
Exhibition	8	150000	45000	195000	75000	30000	105000	170	37	207
Film Show	19	175	53	228	88	35	123	10	5	15
Method Demonstrations	14	139	42	181	70	28	97	30	10	40
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	3	55	17	72	28	11	39	10	5	15
Lectures delivered as resource persons	24	831	249	1080	416	166	582	160	40	200
Newspaper coverage	16	0	0	0	0	0	0	0	0	0
Radio talks	25	0	0	0	0	0	0	0	0	0
TV talks	4	0	0	0	0	0	0	0	0	0
Popular articles	4	0	0	0	0	0	0	0	0	0
Extension Literature	9	0	0	0	0	0	0	0	0	0
Advisory Services	12	2300	690	2990	1150	460	1610	12	2	14
Scientific visit to farmers field	210	232	70	302	116	46	162	20	5	25
Farmers visit to KVK	12	2300	690	2990	1150	460	1610	0	0	0
Diagnostic visits	10	25	8	33	13	5	18	15	2	17
Exposure visits	5	45	14	59	23	9	32	0	0	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners	0	0	0	0	0	0	0	0	0	0

meetings										
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	17	1579	474	2053	790	316	1105	30	15	45
World Food day										
International Yoga										
Webcast of of Hon'ble Prime Ministe Interaction with Farmers										
Live webcast of Honb'le Prime Minister interacting with SHGs and women groups										
Swachhta Hi Sewa programe										
Celebration of Gandhi Jayanti										
Vigilance Awareness Week										
Soil Health day										
Soil health Day										
Soil health Day										
Soil health Day										
Farmers Day										
Farmers Day										
Farmers Day										
Farmers Day										
Swachatha hi seva programme										
Live web cast of Pradhan Mantri Kissan Samman Nidhi programmei										

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	-	-		-	-	-
Oilseeds	-	-		-	-	-
Pulses	-	-		-	-	-
	Green gram	KKM-3	-	2.95	9000	30
	Red gram	BRG -5	-	17.00	60000	70
	Chickpea	JAKI -9218	-	8.08	33000	40
Commercial crops	-	-		-	-	-
Vegetables	-	-		-	-	-
Flower crops	-	-		-	-	-
Spices	-	-		-	-	-
Fodder crop seeds	Fodder sorghum	COFS-31	-	0.17	6800	18
Fiber crops	-	-		-	-	-
Forest Species	-	-		-	-	-

Others (specify)	-	-		-	-	-
			Total	**28.2**	**108800**	**158**

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
Commercial	-	-	-	-	-	-
Vegetable seedlings	Drum stick	Bhagya	-	750	9000	50
Fruits	Lime	local	-	400	4000	30
Ornamental plants	-	-		-	-	-
Medicinal and Aromatic	-	-		-	-	-
Plantation	-	-		-	-	-
Spices	-	-		-	-	-
Tuber	-	-		-	-	-
Fodder crop saplings	-	-		-	-	-
Forest Species	-	-		-	-	-
Others(specify)	-	-		-	-	-
			Total	**1150**	**13000**	**80**

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (kg)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	PSB	50	35000	50
Bio-pesticide	-	-	-	-
Bio-fungicide	Trichoderma	350	42000	120
Bio Agents	Pseudomonas	350	42000	110
Others (specify)				
Total		**750**	**119000**	**280**

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				
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry				
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	Giriraja, Swarnadhara and Local	100 100 50	95544	80
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-

Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total		**250**	**95544**	**80**

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.)

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers			
	Extension strategies for improving groundnut productivity in central dry zone of Karnataka	T H gowda, Rudragouda.F Channagouda,S Onkarappa and Prakash Kerure	-
	Performance of finger millet genotypes in central dry zone of Karnataka	T H gowda, Rudragouda.F Channagouda,S Onkarappa and Prakash Kerure	-
Technical reports	Action plan Annual report ZREP report District SREP Crop plan	All Staff	-
News letters	-	-	-
Technical bulletins			
Popular articles	Bara mattu onna pradesakke varavaguva hesaru tali KKM-3, Negila Miditha-November-2018:pp: 14	T. H. Gowda, Rudragoud F Channagouda, Prakash Kerure and S Onkarappa ,2018	-
	Samagra krishi padatiyind addik labha : Shri. Dayananda Murthi, Negila Miditha-Octomber-2018:pp: 22-23	Rudragoud F Channagouda T. H. Gowda, Prakash Kerure and S Onkarappa ,2018	-
	Besagialli Niru mattu bele nirvana, Negila Miditha-May-2018:pp: 12-13	Rudragouda F Channagouda, S. B. Salimath,, Gajendra T H mattu S Onkarappa , 2018	
	Anabe belege marukttiya avasagalu, Negila Miditha-April-2018:pp: 19	Gajendra T H mattu Rudragouda F Channagouda, 2018	-
	Sanga beleya hecchin eluvrigagi aadunik besay kramagalu, Negila Miditha-August-2018:pp: 22-23	Rudragouda F Channagouda,2018	-
	Dalibe krishiyalli vaijnanik padati alvadisikoli-Prajavani -11-9- 2018	Rudragouda F Channagouda,2018	-
	krishi padattiylli badalavane agatya-Prajavani -09-8-2018	Rudragouda F Channagouda,2018	-
	Bayalu simege hesaru bele sukta-Prajavani -20-7- 2018	Rudragouda F Channagouda,2018	-
	Bahuvasika meven jola beleyiri-Prajavani -21-8- 2018	Rudragouda F Channagouda,2018	-
	Alpavadi labhadayak bele hesaru-Vijavani -23-7- 2018	Rudragouda F Channagouda,2018	
	Segadalli aadunika besaya pdati anusarisalu salahe-Prajavani -22-6- 2018	Rudragouda F Channagouda,2018	-
	Farmers scientist interactions-Prajavani -20-9- 2018	Rudragouda F Channagouda,2018	-

	Senga beleya tips-Vijaya Karnatak -22-8- 2018	Rudragouda F Channagouda,2018	
Extension literature	**Books**		
	Improved production practices, value addition and marketi	T H. Gowda, Narishimurthi ,Rudragoud F Channagouda and Bindu. B.M, 2018	-
	Male anischititeyalli kaigolabekada utpadan tantrikategalu	Sharanappa Jangandi, Rudragoud F Channagouda, Tippesh, Krishnamurthi and M K Naik, 2018	-
	Jalakrishi Hasiru mevu mattu mevinabelagal utpadan tantrikategalu	T H. Gowda, Rudragoud F Channagouda, Prakash Kerure and S. Onkarappa, 2018	
	Training manuals		
	Mevin belegala smagra utptana tantrikategalu	Rudragouda F Channagouda, Prakash Kerur mattu Onkarappa mattu,2018	-
	Ragiylli taligala parichaya mtftu smagra utptana tantrikategalu	Rudragouda F Channagouda, Prakash Kerur mattu Onkarappa mattu,2018	-
	Hatti yalli samagra poshakasgala nirvane	Rudragouda F Channagouda, Prakash Kerur mattu Onkarappa mattu,2018	-
	Sayava krishi mahatva,tatavagallu mattu utpadana paddatigalu	Rudragouda F Channagouda, Prakash Kerur mattu Onkarappa mattu,2018	
	Senga belaya samagra bele nirvane	Rudragouda F Channagouda, Prakash Kerur mattu Onkarappa mattu,2018	-
	Job oriented training programmes in horticultural crops	Prakash Kerur , Rudragoud.F. Channagouda, S. Onkarappa and S.B salimath , 2018.	-
Others (Pl. specify)			

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	**Videos**	1. Progressive farmer Mr. Siddappa 2. Fodder variety CoFS-31 3. Demonstration on Greengram (KKM-3) 4. Assesment of Redgram variety 5. Seed production in Onin 6. Demonstration on Redgram (BRG-5)	Uploded in Youtube

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title: **Disease management in Pomegranate through integrated crop managementin Chitradurga District**

Background:

Pomegranate is a major fruit crop in Chitradurga district with a total area of 7,961 ha. In the recent years, the area under pomegranate drastically reduced due to severe incidence of bacterial blight disease. The farmers used heavy doses of pesticides including antibiotics frequentlybased on recommendations of private consultations. Unscientific method of cultivation practices, fertilizer application and indiscriminate use of pesticides only increased the bacterial blight and outbreak of wilt disease.

Interventions

Technology:

Use disease free planting material, balanced fertilizers application, use of bio-inputs and need based application of pesticides in farmers field.

Integrated pest and disease management schedule developed by National Research Centre on Pomegranate, Solapur, Maharastra was adopted. Use of bio-inputs such as *Trichoderma viridae*, *Pseudomonas fluorescence*, PSB, *Bacillus subtilis* through FYM enrichment were demonstrated and the inputs were supplied to farmers.

Impact:

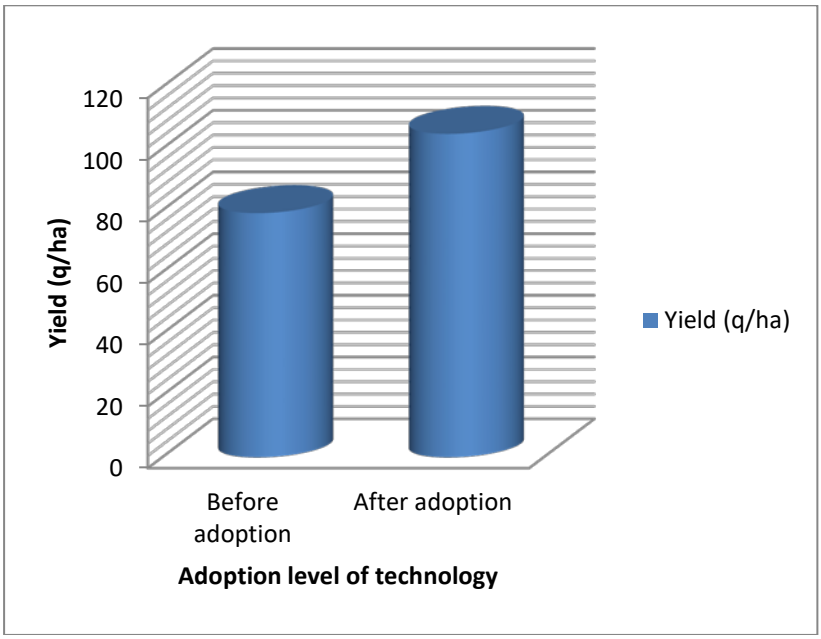
Horizontal Spread

The technology has been disseminated to 3,500 farmers in all taluks of Chitradurga District and neighbouring taluks ofTumkur district. 352 farmers with a total area of 344acres have rejuvenated the pomegranate plantation through the technical advice given by our KVK.

Economic gains

The expenditure on pesticides and fertilizers have been reduced drastically and helped to increase their profit. The Integrated Crop Management approach in pomegranate has helped the farmers in reducing the costs on fertilizers and pesticides up to 50 percent. They also gained knowledge on use of bio inputs to improve the soil health.

Graph 1 : Increased in yield before and after adoption of technology



Employment Generation: Around 3500 farmers of the district are involved in this activities

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

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)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Bengalgram	Broadcasting of puffed rice	Attracting birds for management pod borer

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

- Identification of courses for farmers/farm women: PRA tools: Problem tree and transect
- Rural Youth- PRA tools
- In service personnel - Problem tree

10.G. Field activities

i. Number of villages adopted : 1

ii. No. of farm families selected: 124

iii. No. of survey/PRA conducted: 2

10.H. Activities of Soil and Water Testing Laboratory

1. Status of establishment of Lab : **Established**
2. Year of establishment : **January 2006**
3. List of equipment's purchased with amount:

Sl. No	Name of the Equipment	Qty.	Cost (Rs.)
1	Hot plate	1	21000
	Total		

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	16799	14844	10214	655590
Water Samples	15444	14125	9755	1179360

Plant samples	**0**	**0**	**0**	**0**
Manure samples	**0**	**0**	**0**	**0**
Others (specify)	**0**	**0**	**0**	**0**
Total	**32243**	**28969**	**19969**	**1834950**

Details of samples analyzed during the 2018-19 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	1783	1608	1256	84950
Water Samples	1672	1574	1246	167200
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	**3455**	**3182**	**2502**	**252150**

Details of soil health cards issued during the 2018-19 :

Date (s)	Farmers participated	No. of Samples analyzed	Soil health cards issued	No. of Villages	Public representatives participated	
					MLA/Minister	Other Dignitaries/ Chief guests
05.12.201	144	30	30	1	1. Shri. Thipparedy , MLA, Chitradurga	Smt. Sowbhagya Basavarajan, President Zilla Panchayat

10.I. Technology Week celebration during 2018-19 Yes/No, If Yes

No

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	-	-
Lectures organized	-	-	-
Exhibition	-	-	-
Film show	-	-	-
Fair	-	-	-
Farm Visit	-	-	-
Diagnostic Practicals	-	-	-
Supply of Literature (No.)	-	-	-
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)	-	-	-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Supply of fingerlings	-	-	-
Supply of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	-	-	-

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-
-	-	-	-

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses	-	-
Cereals	-	-
Vegetable crops	-	-
Tuber crops	-	-
Total		

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
-	-	-	-

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
-	-	-	-

E. Seed distribution in drought hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-	-

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-	-

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-

PART XI. IMPACT

11.A. Impact of KVK activities (Not 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)
Seed Treatment & Seed production of finger millet variety ML-365	1200	34	16606	21104
Quality seeds Seed treated with pesticides, bio fertilizers. Gypsum and boron application in Groundnut	5000	28	16777	21897
Introduction of new variety COFS-31	1200	32	10200	16350
Introduction of Bhima super variety	120	12	1,26,200	2,00,000
Application of Bio- inputs in Pomegranate	900	28	412500	529200
INM in Banana	400	38	1,41,300	2,18,000

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

11.B. Cases of large scale adoption

(Please furnish detailed information for each case with suitable photographs)

Nil

11.C. Details of impact analysis of KVK activities carried out during the reporting period

Village Name	Taluk Name	Skill Transfer	Adoption (%)	Impact Before	Impact After	Measures Taken
Mallihalli	Hosdurga	Seed Treatment & Seed production of finger millet variety ML-365	34	Existing varieties are susceptible to drought & neck blast disease	Availability of quality seed material of finger millet variety ML-365	The technologies was shared in field day , bi-monthly , Krishi mela, radio programme and news paper
Shidalinakote	Hiriyur	Production Technology	32	Improper plant population Non availability of quality seeds Imbalance nutrient management	Quality seeds Seed treated with pesticides, bio fertilizers. Gypsum and boron application	Shared technology in field day , krishi mela , Bi-monthly Meeting, radio programme and news paper
Rangenahalli, Uduvalli	Hiriyur	COFS-31 fodder variety	32	Non availability quality fodder Imbalanced nutrition	Availability of quality seed materials, higher yield, palatability and milk yield	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Gopanahalli	Challakere	Introduction of Bhima Super variety	8	Cultivation of local variety Satara Gurva	Availability of quality seeds	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Ragenahalli, Myasandra	Hiriyur	Seed production in Onion(Arka Kalyan)	18	Seed production of local variety	Availability of quality seeds	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Chickkenahalli	Challakere	Nutrient management in Banana	29	Imbalanced nutrition	Availability of banana special	Technology was shared in Tri-monthly, meeting Krishi mela, radio programme and news paper

PART XII - LINKAGES

12.A.Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Chitradurga	• Extension activities(conducting *Kharif* Campaigns , seminars, workshops) , Large scale demonstration , Agri. Inputs . • Transfer of technologies through extension functionaries for large scale adoption
Department of Horticulture, Chitradurga	• Extension activities(conducting *Kharif* Campaigns , seminars, workshops) , Large scale demonstration , Horti. inputs. • Transfer of technologies through extension functionaries for large scale adoption
AIR Chitradurga	• Dissemination of technology through radio programmes , farm advisories, forecast
Karnataka Agriculture price commission	• Pilot project on enhancement of farmers income through IFS approach
NABARD	• Technologies transferred to FPO's of Chitradurga (Coconut and onion)
Animal Husbandry	• Conducting animal health camp and trainings
Department of forestry	• Awareness trainings and Vanamahostava

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

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.)
Enhancing of Farmers Income & welfare (KAPC)	2018-19	GOK	7,82,542
Demonstration of Managing the pest and disease of Pomegranate through crop management practices	2018-19	GOK	8,00,000
Onion Seed village/Onion seed production in seed village limit	2018-19	GOK	3,00,000
Large scale demonstration of fodder varieties	2018-19	GOK	3,00,000
Establish and demonstrate crop technology and IFS demonstration units through participatory mode	2018-19	GOK	4,40,000
Conducting FPO demonstration programme at Hosadurga taluk	2018-19	GOK	3,09,750
Conducting FPO demonstration programme at Sira taluk	2018-19	GOK	3,09,750
Conducting FPO demonstration programme at Sirigere, Chitradurga taluk	2018-19	GOK	3,09,750
Experiment on testing of chemical WCPL-240 on groundnut pest for two season	2018-19	Private Company	69,777

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?

Provided technical information for preparation of SREP report

Coordination activities between KVK and ATMA

Sl. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	FPO, SREP, Soil health day , M- Kissan , Best farmer selection (state & district)	**6**	-	-
02	**Research projects**	**Nil**			-
					-
03	**Training programmes**	Soil health Management, Pest management in crops grown under polyhouse condition, Recent production techniques in Agricultural crops, Organic farming practices, Impact of climate change on crop productivity	8	-	-
04	**Demonstrations**	Seed treatment , enriched compost	2	-	
					-
05	**Extension Programmes**				-
	Kisan Mela	ICM practices	1	1 in collaboration with ATMA at KVK	-
	Technology Week	-	-		-
	Exposure visit	-	-	-	-
	Exhibition	Exhibition at Kissan Mela	1	1 in collaboration with ATMA at KVK	-
	Soil health camps	-	-	-	-

	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	-	-	-	-
06	**Publications**				-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	-	-	-
07	**Other Activities** (Pl. specify)				-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

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

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
1	-	-	-	-	-

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

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

12.F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	--	-	-	-

12. G Kisan Mobile Advisory Services

Month	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers (No.)
		Crop	Lives tock	Weather	Marketing	Awareness	Other enterprises		
April 2018	Text	0	-	-	-	-	-	0	**11420**
May	Text	0	-	-	-	-	-	0	**11420**
June	Text	7	-	-	-	-	-	7	**11420**
July	Text	5	-	-	-	-	-	5	**11420**
August	Text	3	-	-	-	-	-	3	**11420**
September	Text	5	-	-	-	-	-	5	**11420**
October	Text	0	-	-	-	-	-	0	**11420**
November	Text	5	-	-	-	-	-	5	**11420**
December	Text	6	-	-	-	-	-	6	**11420**
January 2018	Text	0	-	-	-	-	-	0	**11420**
February	Text	0	-	-	-	-	-	**0**	**11420**
March	Text	0	-	-	-	-	-	**0**	**11420**
Total		**31**	-	-	-	-	-	**31**	**11420**

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-		-	-	-	-	-

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.(kg)	Cost of inputs	Gross income	
Cereals									
Pulses		**n gram**							
	Green gram	28-5-2018	2	KKM-3	seed production	295	2800	9000	
	Red gram	5-6-2018	2	BRG -5	seed production	1700	29800	60000	
	Chickpea	1-10-2018	2	JAKI - 9218	seed production	808	21700	33000	
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									
	Fodder sorghum	Ratooning	0.25(ac)	COFS-31	seed production	17	-	6800	

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Trichoderma	350	35000	42000	-
2	Pseudomonas	350	35000	42000	-
3	PSB	50	5000	6000	-
4	Arka Banana Special	200	30000	35000	-
		Total	**105000**	**125000**	-

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	Poultry	Giriraja	Broilers	100	74411	95544	-
		Swarnadhara		100			-
		Local		50			-

13.E. Utilization of hostel facilities

Accommodation available (No. of beds-30)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2018	0	0	0
May	0	0	0
June	15	6	-

July	0	0	0
August	0	0	0
September	0	0	0
October	30	3	-
November	0	0	0
December	0	0	0
January 2019	0	0	0
February	32	1	-
March	0	0	0

13.F. Database management

S. No	Database target	Database created
1	Farmers database	Created
2	SMS farmers database	Created
3	Soil and water testing	Created
4	Crop wise farmers	Created
5	Soil water analysis data	Created

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

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
Nil	Nil	Farm pond Drip & sprinkler	**3**	-	-	**640**	**82**	968	0.4 ha

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 Host Institute (General)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024602	572015302	CNRB0000867
With KVK (RF)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024962	572015302	CNRB0000867

14.B. Utilization of KVK funds during the year 2017-2018 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	91.00	84.00	79.65
2	**Traveling allowances**	1.20	1.20	1.20
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.55	2.55	2.54
B	POL, repair of vehicles, tractor and equipments	3.00	3.00	2.99
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	0.80	0.80	0.79
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.35	0.35	0.34
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.91	2.91	2.27
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.32	0.32	0.29

G	Integrated Farming System (IFS) Min. 5 units	0	0	0
H	Training of extension functionaries	0	0	0
I	Extension Activities including world soil health day	0.49	0.49	0.48
J	Farmers Field School	0	0	0
K	EDP (1 no) / Innovative activities	0.10	0.10	0.08
L	Soil water Testing & Issue of Soil Health Cards	0.25	0.25	0.22
M	Maintenance of Building	0.45	0.45	0.44
N	Farmers Conclave, KVK Conference	0	0	0
O	Video Production	0	0	0
P	Library (purchase of Journal, Periodicals, News Papers & Magazines)	0.03	0.26	0.02
TOTAL (A)		**103.45**	**96.68**	**91.31**
B. Non-Recurring Contingencies				
1	**Equipments & Furniture**	0	0	0
2	**Works**	0	0	0
3	**Vehicle**	0	0	0
4	**Library** (Purchase of assets like books & journals)	0	0	0
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND		**0**	**0**	**0**
GRAND TOTAL (A+B+C)		**103.45**	**96.68**	**91.31**

14.C. Status of revolving fund (Rs. in lakh) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2016 to March 2017	14.50	11.93	12.71	13.72
April 2017 to March 2018	13.72	9.47	11.23	11.97
April 2018 to March 2019	11.97	9.60	11.58	9.99

15. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. S. Onkarappa	Senior Scientist & Head (I/c) & Scientist	Ecologically sustainable technologies for plant health management	National institute of Plant Health Management, Rajendranagar, Hyderabad.	6th to 10th August 2018
Dr. S. Onkarappa	Senior Scientist & Head (I/c) & Scientist	Faculty development programme for increasing efficiency in Teaching, Research and Extension	Organised by ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad at Navile, UAHS, Shivamogga	4th to 8th February 2019
Dr. Rudragouda	Scientist (Agronomy)	A Family approach to doubling the farmers income	UAS D	16-1-2019 to 5-2-2019
Dr. Prakash Kerure	Scientist (Horticulture)	Faculty development programme for increasing efficiency in Teaching, Research and Extension	Organised by ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad at Navile, UAHS, Shivamogga	4th to 8th February 2019

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