IAMWARM PROJECT

UP TO KRISHINAGIRI

DETAILED PROJECT REPORT

AGRICULTURE DEPARTMENT

IAMWARM PROJECT

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INTRODUCTION

Tamil Nadu being an Agricultural based economy with more than 60% of the people engaged in agriculture and allied activities. Krishnagiri District of Tamil Nadu is a peculiar agricultural zone where in addition to Agriculture crops, Horticulture crops are also grown by best utilizing the favorable agro-climatic conditions and soil types of this tract.

Farmers switched over to precision farming in extensive areas and adopt latest package of practices to get maximum yield in certain crops. Simultaneously, organic farming also becoming popular in Hosur area where large market potential is available for organic products.

Agriculture Department aims to increase income of farmers per unit of land / unit of irrigation water.

IAMWARM Project aims to increase irrigated area and to cover gap area with irrigated crops. Agriculture intensification and also diversification of low profit high water crops to high profit, low water crops are proposed in the project.

RAINFALL DETAILS - KRISHNAGIRI DISTRICT

Sl.No	Months/ Season	Normal Rainfall	Rainfall Received					
			2004	Rainy Days	2005	Rainy Days	2006	Rainy Days
1	January	9.2	0	0	0	0	0	0
2	February	6.5	2.6	3	0.5	1	0	0
I	Winter Season	15.7	2.6	3	0.5	1	0	0
3	March	10.5	4.6	4	9.5	2	43.10	6
4	April	56.4	39.0	19	101.4	16	7.94	3
5	May	91.4	222.3	19	91.4	17	62.90	12
II	Summer Season	158.3	265.9	42	202.3	35	113.94	21
6	June	40.7	29.0	11	76.0	8	77.21	14
7	July	52.4	147.9	12	51.7	14	8.90	3
8	August	119.8	21.5	8	114.0	11	75.20	8
9	September	152.5	167.7	23	159.0	15	50.48	13
III	South West Monsoon	365.4	366.1	54	400.7	48	211.79	37
10	October	190.2	155.6	24	412.0	26	125.55	25
11	November	73.2	63.1	11	173.0	6	77.96	15
12	December	27.7	0	0	92.0	10	6.73	2
IV	North East Monsoon	291.1	218.7	35	677.0	42	210.24	42
	Grand Total	830.5	853.3	134	1280.5	126	535.97	103

CROPPING PATTERN

Sl. No	Block	Existing			Proposed		
		Cropping Season I	Cropping Season II	Cropping Season III	Cropping Season I	Cropping Season II	Cropping Season III
1	Hosur	Paddy	Paddy		Paddy	Ragi	Vegetables
	Kelemangalam	Paddy	Paddy		Paddy	Pulses	Vegetables
	Shoolagiri	Paddy	Paddy		Ragi	Pulses	Vegetables Flowers
2	Veppanapalli	Vegetables	Vegetables	Vegetables	Vegetables Flowers	Vegetables Flowers	Vegetables Flowers
3	Krishnagiri	Paddy	Paddy		Paddy	Ragi	Vegetables
		Paddy	Paddy	Vegetables	Paddy	Pulses	Vegetables

EXISTING AGRICULTURE PRACTICES

SEED

Improved and high yielding verities are being supplied through Agriculture Extension Centers and also through private dealers. Farmers get hybrid seeds mainly through private dealers and in TNAU Coimbatore, since it is not supplied through Agriculture Extension Centers of the Department.

SOIL TESTING

Mobile Soil Testing Lab functioning at Krishnagiri Town. Farmers mainly utility this mobile soil testing lab for testing there soil samples.

INM & IPM

Nearly 40% of the area is covered with INM & IPM Practices under ICDP & ISOPOM schemes.

PRESENT SCENARIO OF PENNAIYAR SUB BASIN

Major crops occupied in this Sub basin are Paddy, Vegetables, Floriculture, and Ragi. Farmers of this area are adopting poor crop production technologies with the available water sources resulting in low productivity of

Paddy, Ragi and other crops. However, there is vast scope in increasing productivity of major crops like Paddy and Ragi by educating the farmers through demonstrations, training on latest production technology, due publicity activities and also through exposure visits

STRATERGY

CLUSTER APPROACH

Pennaiyar Sub basin consists of 46 main ayacut villages covering tanks, anaicuts and reservoir in which 10 clusters are identified for adoption of production technologies ie., SRI and Ragi demonstrations. Ragi crop is the main focus crop of this area which requires low water and farmers prefer Ragi crop due to ready market and also for their own consumption. By this cluster approach Agriculture Department aims to increase present paddy yield level of 5 MT / Ha. to 7 MT/ Ha. and Ragi crop from 2.MT / Ha. to 2.75 MT / Ha. Training to farmers and exposure visit will have more impact on productivity of Paddy and Ragi crops in the sub basin.

COMMODITY GROUP

Paddy and Ragi are the focus crop of this sub basin. It is proposed to form 5 commodity groups for this two crops based on the area of these crops. Each group will have 20 to 25 farmers of common interest.

The members of the Commodity groups will be given training on latest production technologies for the crops of interest, besides on value addition, storage, transport, and on marketing strategy etc., so as to get the maximum productivity and price for the produce.

The members of the Commodity groups will be included in the exposure visit to get additional knowledge and to gain more interest to grow the crop of demand with confidence.

On completion of the trainings and the exposure visits, the members of the commodity group will become local knowledge bank for the particular crop of interest who will be encouraged to share their knowledge with the other fellow farmers to get the maximum productivity and income.

The members of the commodity groups will also be utilized as local opinion makers to convene the farmers on production technology, value addition etc.

Where ever Water Users Associations are not formed, it is proposed to entrust the work of maintaining the market infrastructures to be created under the project, till the formation of Water Users Associations. Selected farmers of the groups having desired potential and intrest will be utilized as local para extension workers to convince the farmers on new crop production technologies under the guidance of the departmental officers.

Five commodity groups proposed to be formed for Paddy and Ragi crops are as follows:

Sl.No	**Crop wise, Cluster wise Commodity group proposed**	
	Ragi	**Paddy**
1	Kodiyalam	Marasandiram
2	Thorapalli	Koneripalli
3	Kamandoddi	Gooliyam
4	Nallaganakothapalli	Sokadi
5	Ayarnapalli	Moranapalli

UP TO KRISHNAGIRI SUB BASIN

FI	**1308.00**
PI	**1000.00**
Gap	**2173.53**
Reg. Ayacut Area	**4481.53**

CROPPING AREA IN HECTARES

Season	Crops	Pre project				Post project	
		FI	PI	GAP	Total	FI	Total
Annual crop	Coconut	69			69	69	69
	Banana	38			38	178	178
	Mango	36			36	150	150
	Fodder	55			55	330	330
	Total	198			198	727	727
Crop I Sep-Jan	Paddy	790	800		1590	1470	1470
	Ragi	170	200		370	1075.53	1075.53
	Vegetables	150			150	541	541
	Flower					668	668
	Total	1110	1000	2173.53 Fallow	4283.53	3754.53	3754.53
	Sub total	1308	1000	2173.53	4481.53	4481.53	4481.53
Crop II Feb-May	Paddy					400	400
	Ragi					768	768
	Vegetables					300	300
	Flowers					300	300
	Total					1768	1768
G.Total		1308	1000	2173.53	4481.53	6249.53	6249.53
Cropping Intensity					51.5		139.4

AREA PRODUCTION & PRODUCTIVITY

Sl. No	Crop	Pre Project			Post Project		
		Area in ha	Productivity	Production MT	Area in ha	Productivity	Production MT
1	Paddy	1590	5 MT	7950	1870	7 MT	13090
2	Ragi	370	2 MT	740	1843	2.75 MT	5068
	Total	1960		8690	3713		18158

CROP WISE AREA, PRODUCTION AND INCOME

Sl. No	Crop	Area (Ha)			Productivity (MT)			Production (MT)			Income of Project (lakhs)		
		WOP	WP	INCRS	WOP	WP	INCRS	WOP	WP	INCRS	WOP	WP	INCRS
1	Paddy	1590	1870	280	5.0	7.0	2.0	7950	13090	5140	556.5	916.3	359.8
2	Ragi	370	1843	1473	2.0	2.75	0.75	740	5068	4328	37	253.4	216.4
	Total	1960	3713	1753				8690	18158	9468	593.5	1169.7	576.2

YEAR WISE COMPONENT WISE ACTIVITIES (PHYSICAL) - Ist Year

S NO.	Name of the system/tank/anicut	Block	Components of activities in Nos	
			SRI Demo	Ragi crop Demo
I	Kodiyalam	Hosur	2	1
II	Marasandiram	Hosur	7	7
III	Moranapalli	Hosur	10	9
IV	Thorapalli	Hosur	10	16
V	Kamandoddi	Soolagiri	13	27
VI	Koneripalli	Soolagiri	8	9
VII	Nallaganakothapalli	Soolagiri	8	9
VIII	Ayarnapalli	Soolagiri	8	9
IX	Gooliyam	Krishnagiri	6	8
X	Sokadi	Krishnagiri	8	5
	Total		80	100

YEAR WISE COMPONENT WISE ACTIVITIES (PHYSICAL) - IInd Year

S NO.	Name of the system/tank/anicut	Block	Components of activities in Nos	
			SRI Demo	Ragi crop Demo
I	Kodiyalam	Hosur	2	1
II	Marasandiram	Hosur	6	5
III	Moranapalli	Hosur	9	5
IV	Thorapalli	Hosur	8	5
V	Kamandoddi	Soolagiri	17	5
VI	Koneripalli	Soolagiri	9	6
VII	Nallaganakothapalli	Soolagiri	7	6
VIII	Ayarnapalli	Soolagiri	8	6
IX	Gooliyam	Krishnagiri	6	5
X	Sokadi	Krishnagiri	8	6
	Total		80	50

YEAR WISE COMPONENT WISE ACTIVITIES (PHYSICAL) - IIIrd Year

S NO.	Name of the system/tank/anicut	Block	Components of activities in Nos	
			SRI Demo	Ragi crop Demo
I	Kodiyalam	Hosur	1	1
II	Marasandiram	Hosur	6	5
III	Moranapalli	Hosur	10	5
IV	Thorapalli	Hosur	10	5
V	Kamandoddi	Soolagiri	15	5
VI	Koneripalli	Soolagiri	9	6
VII	Nallaganakothapalli	Soolagiri	8	6
VIII	Ayarnapalli	Soolagiri	8	6
IX	Gooliyam	Krishnagiri	6	5
X	Sokadi	Krishnagiri	7	6
	Total		80	50

YEAR WISE COMPONENT WISE ACTIVITIES (FINANCIAL) - Ist Year

SRI @ Rs 6000/ha.
Ragi @ Rs 2500/ha.

S NO.	Name of the system/tank/anicut	Block	Component wise activities in lakhs		
			SRI Demo	Ragi crop Demo	Total
I	Kodiyalam	Hosur	0.120	0.025	0.145
II	Marasandiram	Hosur	0.420	0.175	0.595
III	Moranapalli	Hosur	0.600	0.225	0.825
IV	Thorapalli	Hosur	0.600	0.400	1.000
V	Kamandoddi	Soolagiri	0.780	0.675	1.455
VI	Koneripalli	Soolagiri	0.480	0.225	0.705
VII	Nallaganakothapalli	Soolagiri	0.480	0.225	0.705
VIII	Ayarnapalli	Soolagiri	0.480	0.225	0.705
IX	Gooliyam	Krishnagiri	0.360	0.200	0.560
X	Sokadi	Krishnagiri	0.480	0.125	0.605
	Total		4.800	2.500	7.300

YEAR WISE COMPONENT WISE ACTIVITIES (FINANCIAL) - IInd Year

SRI @ Rs 6000/ha.
Ragi @ Rs 2500/ha.

S NO.	Name of the system/tank/anicut	Block	Component wise activities in Lakhs		
			SRI Demo	Ragi crop Demo	Total
I	Kodiyalam	Hosur	0.120	0.025	0.145
II	Marasandiram	Hosur	0.360	0.125	0.485
III	Moranapalli	Hosur	0.540	0.125	0.665
IV	Thorapalli	Hosur	0.480	0.125	0.605
V	Kamandoddi	Soolagiri	1.020	0.125	1.145
VI	Koneripalli	Soolagiri	0.540	0.150	0.690
VII	Nallaganakothapalli	Soolagiri	0.420	0.150	0.570
VIII	Ayarnapalli	Soolagiri	0.480	0.150	0.630
IX	Gooliyam	Krishnagiri	0.360	0.125	0.485
X	Sokadi	Krishnagiri	0.480	0.150	0.630
	Total		4.800	1.250	6.050

YEAR WISE COMPONENT WISE ACTIVITIES (FINANCIAL) - III rd Year

SRI @ Rs 6000/-ha.
Ragi @ Rs 2500/ha.

S NO.	Name of the system/tank/anicut	Block	Component wise activities in lakhs		
			SRI Demo	Ragi crop Demo	Total
I	Kodiyalam	Hosur	0.060	0.025	0.085
II	Marasandiram	Hosur	0.360	0.125	0.485
III	Moranapalli	Hosur	0.600	0.125	0.725
IV	Thorapalli	Hosur	0.600	0.125	0.725
V	Kamandoddi	Soolagiri	0.900	0.125	1.025
VI	Koneripalli	Soolagiri	0.540	0.150	0.690
VII	Nallaganakothapalli	Soolagiri	0.480	0.150	0.630
VIII	Ayarnapalli	Soolagiri	0.480	0.150	0.630
IX	Gooliyam	Krishnagiri	0.360	0.125	0.485
X	Sokadi	Krishnagiri	0.420	0.150	0.570
	Total		4.800	1.250	6.050

YEAR WISE COMPONENT WISE PHY & FIN – ABSTRACT - AGRICULTURE
UP TO KRISHNAGIRI SUB – BASIN

Sl. No	Crop	Name of the Component	Unit Cost in Rs.	Area to be covered in Ha.					Financial in Lakhs Rs.			
				I year	II Year	III Year	Total	Influ-ence area (ha)	I year	II Year	III Year	Total
1	Paddy	SRI Demo	6000 /Ha.	80	80	80	240	1680	4.800	4.800	4.800	14.400
2	Ragi	Crop Demo	2500 /Ha.	100	50	50	200	2000	2.500	1.250	1.250	5.000
	Total			180	130	130	440	3680	7.300	6.050	6.050	19.400
3	IEC / CB*								1.550	1.800	1.300	4.650
	Grand Total								8.850	7.850	7.350	24.050

* includes Sub-basin team building and change management training.

Farm implements cost for SRI

Cost of Rotary weeder, Marker etc. @ the rate of Rs.1750/ha. } 4.200 lakhs

2.25.1 Subsidised cost of demonstration:

SRI Rs.6000/ha

Ragi Rs.2500/ha

UNIT COST FOR SRI DEMONSTRATION Per ha (TNAU Norms)

SRI / ha

S. No	Particulars	Amount(Rs.)
1	Seed cost with seed treating chemicals (8kg/ha) @ Rs. 25 /kg	200.00
	Cost of nursery raising	500.00
	Cost of fertilizers (150:50:50 kg NPK / ha)	
	Urea - 330 kg @ Rs. 5 / kg	1650.00
	Super Phosphate - 312.5kg @ Rs. 4 /kg	1260.00
	Muriate of Potash – 83 kg @ Rs.4.75/ kg	395.00
	$ZnSO_4$ 25 kg @ Rs. 25 / kg	625.00
	Cost of Bio fertilizer (Azospirillum and Phospho bacteria @ 10 pockets each)	120.00
	Pseudomononas 2.5 kg / ha @ Rs. 100 /kg	250.00
	Biopesticides	1000.00
	Total	**6000.00**

UNIT COST FOR RAGI CROP DEMONSTRATION Per ha (TNAU Norms)

Sl. No.	Particulars	Amount (Rs.)
1	Seed cost with seed treating chemicals (5kg/ha) @ Rs.20/kg	100.00
2	Raising nursery with application of FYM and fertilizers	500.00
3	Transplanting cost @ 20 B/ha @Rs.80/labour (Labour cost should be done by the farmers)	1600.00
4	Biofertilizer cost 20 packets (10p Azospirillum + 10p PSB)	120.00
5	Cost of fertilizers (60:30:30 kg NPK /ha)	
	a. Urea – 130kg @ Rs.5/kg	650.00
	b. Super Phosphate – 187.5kg @ Rs. 4/kg	750.00
	c. Muriate of Potash – 50 kg @ Rs. 4.75/kg	237.50
	d. Foliar application of 2% DAP twice excluding labour	200.00
6	Foliar spraying of Pseudomonas 2.5kg/ha @ Rs. 100/kg	250.00
	Total	4407.50

Out of the total cost of Rs. 4,407.50/-, the project cost (subsidy) restricted to only Rs.2,500/ha.

IEC-CB.

Capacity Building Programmes for farmers in Ponnaiar – Upto Krishnagiri Sub-basin.

Capacity building programmes for farmers in this Sub-basin would focus on two major components, viz, 1. Change Behaviour and 2. Technical input. Both the components would find their respective places at two levels namely village and cluster. However, training efforts at village level would focus more on “Change Behaviour”, while training programmes at cluster level would give priority for technical input.

Production of Ragi is priority for farmers in this sub-basin as demand from the neighboring state is very high and it is also consumed as staple food by the farmers.

Prior to initiation of Capacity Building programmes for farmers, it has been proposed that the AAOs can have informal discussions with farmers in small groups.

Exposure visits at cluster level would be appropriate to facilitate farmers to be convinced that it is possible to change their agriculture practices for better and sustainable results. Demonstrations at the village level would be organized to introduce new technical and methodological aspects followed by workshop at cluster level to impart pertinent skills.

Follow-up visits have been proposed at regular intervals to substantiate and fine-tune the skills that have been imparted in exposure visits and workshops. Follow-up visits would also be focused on enhancing the confidence levels of farmers in order to motivate them for continuous application of new skills and methods in their fields.

Village Level, Component 1, Change Behaviour: One day awareness campaigns have been planned in sub-basin villages to cover as many farmers as possible. The campaigns will be organized in the evenings in order to cover more farmers. Awareness campaigns for Organic farming will be done in the months of April and May and in the months of June and August for Crop diversification and Intensification.

Small Group discussions will also be held which will be facilitated by the AAO/AO at selected villages. These Group Discussions will focus on the need for Crop Intensification and Diversification in order to maximize profit at the minimum input. Simultaneously, the identification of active and interested farmers will be done, for taking them for an exposure visit to facilitate them to understand what they have heard in the campaigns and Group discussions.

Village level, Component 2, Technical Input: The next stage of the Capacity building process would be to introduce the new cropping techniques and methods at the village level through demonstrations and Trainings. Training programmes / Demonstrations at selected villages will be held for SRI method of cultivation for 200 farmers in selected villages in the months of September and October.

Cluster level, Component 1, Change behaviour: To strengthen the “Change Behaviour Efforts”, Exposure visits will be organized for 200 farmers in 4 batches to successful SRI fields within the state in the month of August during the 1st and 2nd year of the project period. It has been assumed that exposure visits will motivate them to adapt SRI method in their fields.

Village level, Component 2, Technical Input: This is the stage where farmers who have been exposed to new methods and techniques will be in need of technical input for further application in their respective fields. On site training programmes will be held at 10 villages involving farmers who had gone for exposure visits. At each village as many as 20 farmers will be participating in this training.

Cluster level, Component 2, Technical Input: As far as SRI is concerned, training of farmers alone is not suffice as it involves agricultural laborers too. It is, hence, imperative to impart SRI skills (especially in Square Planting) to laborers who will actually be working in the paddy fields. 200 agricultural laborers will be grouped in 4 bathes to participate in one day workshop for acquiring SRI skills. This will be organized at a convenient place for the participants.

The AAOs will have to ensure the inclusion of small and marginal farmers from marginalized communities in all their capacity building programmes. Women farmers will be identified and motivated to participate in the training programmes.

Training Matrix

	Training content	Time frame	No.of trainees	Type of CB Programme	Who will do it	Duration and Location
Component 1. Change Behaviour						
Village Level	Awareness on the concept of "more crop/profit for drop of water".	April –May 2008	All the villages in the Sub-basin.	Village Campaign, Village level meetings.	AAO & ADO, AO	One day, at selected villages.
Cluster Level	"Seeing is believing" – SRI cultivation	August 2008	200 in 5 batches	Exposure visit	ADO & AAO, AO	One day within the district.
	Seeing is believing – Maize and pulses		100 farmers	Exposure visit	ADO & AAO, AO	Two days, Outside the district
Component 2:Technical						
Village level	"SRI Cultivation".	September –October 2008	600	On site trainings	ADO & AAO, AO	Ten villages, One day at each village.
	"SRI Skill training for laborers.	September October - 2008	200	On site training	ADO & AAO, AO	Four villages, to be selected, one day each.
Cluster level	Training of Trainers – SRI Cultivation		50	Workshop		Two days.

Estimated Budget

	Training content	Description of the cost		Total in Rs
Component 1. Change Behaviour				
Village level	Campaigns and Village meetings.	IEC materials.		60000
		Telecasting in Local Cable TV	30000	
		Printing of Pamphlets	10000	
		Wall Paintings	10000	
		Hiring of Street theatre team	5000	
		Others	5000	
Cluster Level	Exposure visit to SRI field for 200 farmers, One day	Food: 200 farmers x Rs 100 x 1 day	20000	60000
		Travel: 200 farmers x Rs 100	20000	
		Incidentals: 200 farmers x Rs 100	20000	
	Exposure visit, 100 farmers, Production technology in Maize and pulses.	100 farmers - Lumpsum	50000	50000
Component 2: Technical				
Village level	On the field training, SRI cultivation for 200 farmers.	600 farmers - Lump sum	120000	120000
	On the field training for laborers on SRI. 400 Laborers.	400 laborers – Lump sum	100000	100000
Cluster level	Two days Workshop - Training of Trainers – SRI Cultivation	50 farmers – Lump sum	50000	50000
Total				440000
Training of Personnel on Management aspects				25000
Grand Total				465000
In Lakhs				4.65

Note: The above is only an estimated budget. Subject to change as per the needs that are dynamic.

CLUSTER DETAILS

PENNAIYARUPTO KRISHNAGIRI SUB BASIN

S NO.	Name of the system/tank/anicut	Ayacut area (ha)	Name of the village	Block	Remarks
I	Kodiyalam				
	Kodiyalam Anicut	1.65	Singasathanapalli	Hosur	
		46.00	Belathur	Hosur	
		43.29	Kodiyalam	Hosur	
		90.94			
II	Marasandiram				
	KPRP	23.84	Thataganapalli	Hosur	
		27.87	Bethamuthali	Hosur	
		20.67	Muthali	Hosur	
		44.37	Kathirepalli	Hosur	
		81.94	Marasandiram	Hosur	
		37.56	Dinnur	Hosur	
		84.92	Attur	Hosur	
		25.77	Thiruchipalli	Hosur	
		23.47	Kottur	Soolagiri	
		370.41			
III	Moranapalli				
	KPRP	52.38	Bothinatham	Hosur	
		98.73	Samanapalli	Hosur	
		14.2	Chinnakullu	Hosur	
		31.61	Bethakullu	Hosur	
		318.89	Moranapalli	Hosur	
		5.28	Chennathur	Hosur	
		514.12			
IV	Thorapalli				
	KPRP	584.78	Thorapalli	Hosur	
	Thorapalli anicut	22.49	Thorapalli	Hosur	
		607.27			
V	Kamandoddi				
	KPRP	772.96	Kamandoddi	Soolagiri	
	Aliyalum anicut	35.84	Kamandoddi	Soolagiri	
		65.84	Allekotta	Soolagiri	
		874.64			
VI	Koneripalli				
	KPRP	125.54	Attakurikki	Soolagiri	
		133.09	Maruthandapalli	Soolagiri	
		8.74	Koneripalli	Soolagiri	
		177.83	Subagiri	Soolagiri	
	Subagiri anicut	6.87	Subagiri	Soolagiri	
		451.47			

VII	Nallaganakothapalli				
	KPRP	552.33	Nallaganakothapalli	Soolagiri	
VIII	Ayarnapalli				
	Boothinatham anicut	45.85	Ulatti	Soolagiri	
		37.67	Sebum	Soolagiri	
		12.27	Samanapalli	Soolagiri	
	Mahabalirao anicut	5.28	Bandapalli	Soolagiri	
	Ayarnapalli anicut	51.99	Ayarnapalli	Soolagiri	
	Lakshmigoundan tank	2.87	Nagamangalam	Kelamangalam	
		76.85	Udanapalli	Kelamangalam	
	Ulagam anicut	63.54	Ulagam	Soolagiri	
	Kedavarahalli anicut	45.19	Sengoda chinnahalli	Kelamangalam	
		45.74	Karukanahalli	Kelamangalam	
		387.26			
IX	Gooliyam				
	Ennekollu anicut	28.01	Gurubarahalli	Veppanapalli	
		30.28	Bellampalli	Krishnagiri	
	Oddahalli tank	95.95	Bellampalli	Krishnagiri	
	Gooliyum anicut	69.56	Gooliyum	Krishnagiri	
	Gangaleri anicut	8.15	Ginjupalli	Krishnagiri	
		12.37	Kompalli	Krishnagiri	
		19.14	Kondepalli	Krishnagiri	
		35.20	Gangaleri	Krishnagiri	
		298.75			
X	Sokadi				
	Alapatti tank	115.79	Alapatti	Krishnagiri	
	Velahalahalli tank	55.60	Velahalahalli	Krishnagiri	
	Thudukanahalli tank	81.50	Sokadi	Krishnagiri	
	Sokadi tank	81.44	Sokadi	Krishnagiri	
		334.33			

ABBREVIATIONS USED FOR CONVERGENCE TABLE:

1. P- Proposed area under paddy
2. R-Proposed area under ragi
3. D SRI- Demonstration on System of Rice Intensification
4. D R- Demonstration on ragi cultivation
5. D FL- Demonstration on flower cultivation
6. D V - Demonstration on vegetable cultivation
7. D FR- Demonstration on fruits cultivation
8. AE FL- Area expansion under flowers
9. AE V- - Area expansion under vegetables
10. AE FR- Area expansion under fruits
11. AE P- - Area expansion under polyhouse
12. D P- Demonstration on poly house
13. ABC- Agri business centre
14. TF- Threshing floor
15. SB- Fish seed bank
16. FI- Fishing implements
17. K- Kiosk for marketing
18. FP- Fish ponds
19. AC- Aqua culture.
20. V U- Veterinary unit
21. F C- Fodder Cultivation
22. F D- Fodder Demonstration
23. MI – Mocro Irrigation
24. MIP – Micro Irrigation polyhouse
25. BBFF – Broad Bed Ferrow Former
26. ROT – Rotovator
27. CP – Chisel Plough
28. CW - Conoweeder
29. SRI-M-SRI Marker
30. FP – Farm Pond

Convergence Table

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
1	Kodiyalam cluster	33.1	30.6	27.2	63.8	90.9	-	P	33	D R	3	AE FL	18	ABC	1	MI	28			FC	5
								R	20.5	DSRI	2	AE V	17	TF	1	MIP	0.2			FD	6
								D SRI	5	D FL		AE FR	10			BBFF	1				
								D R	3	D V		AE P	0.2			ROT	1				
										D FR		D FL	0.8			CP	1				
												DV	0.8			CW	12				
												D FR	0.8			SRI-M	12				
												D P	0.2			FP	0				
2	Marasandiram cluster	112	69.5	189	181	370	-	P	128	DR	6	AE FL	52	ABC		MI	103	SB	1	FC	10
								R	128	DSRI	3	AE V	77	TF		MIP	1.2	FI	10	FD	15
								D SRI	19	D FL	4	AE FR	42.5			BBFF	4	K	1		
								D R	17	D V	8	AE P	1.2			ROT	3	FP			
										D FR	4	D FL	2.8			CP	3	AC			
												DV	2.8			CW	50				
												D FR	2.8			SRI-M	50				

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
3	Moranapali cluster	138	98.2	281	233	514	-	P	213	D R	7	AE FL	103	ABC		MI	155	SB		FC	14
								R	213	DSRI	3	AE V	97	TF	1	MIP	0.6	FI		FD	25
								D SRI	29	D FL	4	AE FR	58			BBFF	6	K			
								D R	19	D V	8	AE P	0.6			ROT	3	FP			
										D FR	6	D FL	2.4			CP	3	AC			
												DV	2.4			CW	82				
												D FR	2.4			SRIM	82				
												D P	0.5			FP	0				
4	Thorapalli cluster	149	127	331	276	607	-	P	255	D R	4	AE FL	135	ABC		MI	155	SB		FC	16
								R	290	DSRI	2	AE V	95	TF		MIP	0.2	FI		FD	28
								D SRI	28	D FL	2	AE FR	29			BBFF	4	K			
								D R	26	D V	4	AE P	0.2			ROT	4	FP	4		
										D FR	4	D FL	1.2			CP	4	AC			
												DV	1.2			CW	122				
												D FR	0-4			SRIM	122				
												D P	0.1			FP	4				

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
5	Kamandoddi cluster	233	188	454	421	875	-	P	375	D R	6	AE FL	218	ABC		MI	273	SB		FC	23
								R	381	DSRI	3	AE V	217	TF		MIP	1.2	FI		FD	35
								D SRI	45	D FL	4	AE FR	20			BBFF	8	K			
								D R	37	D V	8	AE P	1.2			ROT	8	FP	4		
										D FR	1	D FL	2			CP	8	AC			
												DV	2			CW	160				
												D FR	1.2			SRIM	160				
												D P	0.3			FP	4				
6	Koneripalli cluster	114	92.6	245	207	451	-	P	204	D R	6	AE FL	121	ABC		MI	132	SB		FC	14
								R	219	DSRI	3	AE V	88	TF		MIP	0.6	FI		FD	23
								D SRI	26	D FL	3	AE FR	10			BBFF	4	K			
								D R	21	D V	6	AE P	0.6			ROT	3	FP	2		
										D FR	1	D FL	1.2			CP	3	AC			
												DV	1.2			CW	79				
												D FR	0.4			SRIM	79				
												D P	0.3			FP	2				

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
7	Nallaganakothapalli cluster	136	109	307	246	552	-	P	180	D R	4	AE FL	203	ABC		MI	242	SB		FC	13
								R	200	DSRI	2	AE V	200	TF		MIP	0.4	FI		FD	18
								D SRI	23	D FL	3	AE FR	0			BBFF	7	K			
								D R	21	D V	6	AE P	0.4			ROT	7	FP			
										D FR	0	D FL	0.8			CP	7	AC			
												DV	0.4			CW	78				
												D FR	0			SRIM	78				
												D P	0.1			FP	0				
8	Ayarnapalli cluster	155	115	117	271	387	-	P	189	D R	6	AE FL	86.5	ABC		MI	126	SB		FC	13
								R	189	DSRI	3	AE V	43	TF		MIP	0.5	FI		FD	21
								D SRI	24	D FL	0	AE FR	81			BBFF	4	K			
								D R	21	D V	0	AE P	0.8			ROT	2	FP	5		
										D FR	2	D FL	3.3			CP	2	AC	1		
												DV	2.8			CW	69				
												D FR	2.8			SRIM	69				
												D P	0.5			FP	5				

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
9	Gooliyam cluster	129	84.4	85.5	213	299	-	P	143	D R	4	AE FL	30	ABC		MI	97	SB		FC	11
								R	143	DSRI	2	AE V	44	TF	3	MIP	0.1	FI		FD	15
								D SRI	18	D FL		AE FR	88			BBFF	6	K			
								D R	18	D V		AE P	0.2			ROT	2	FP			
										D FR		D FL	3.4			CP	2	AC			
												DV	3.4			CW	53				
												D FR	3.4			SRIM	53				
												D P	0.1			FP	0				
10	Sokadi cluster	109	88.3	137	197	334	-	P	150	D R	4	AE FL	40	ABC		MI	109	SB		FC	11
								R	187	DSRI	2	AE V	40	TF	1	MIP	0	FI		FD	14
								D SRI	23	D FL		AE FR	101			BBFF	6	K			
								D R	17	D V		AE P				ROT	2	FP			
										D FR	2	D FL	1.2			CP	2	AC			
												DV	1.2			CW	45				
												D FR	1.2			SRIM	45				
												D P				FP	0				

CONVERGENCE TABLE - ABSTRACT

SN	Name of the cluster/ Village	Total ayacut(ha)			Total area(ha)			Agriculture		TNAU		Horticulture		Agricultural Marketing		Agricultural Engineering		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	GAP	Act	No/ ha	Act	No /ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha	Act	No/ ha
GRAND TOTAL		1308	1000	2173	2308	4481		P	1870	D R	50	AE FL	1006.5	ABC	1	MI	1420	SB	1	FC	130
								R	1843	DSRI	224	AEV	841	TF	6	MIP	5	FI		FD	200
								DSRI	240	DFL	16	AE FR	397			BBFF	50	K			
								DR	200	DV	32	AE P	4.2			ROT	35	FP	15		
										DFR	16	DFL	6.3			CP	35	AC	1		
												DV	15.4			CW	750				
																SRIM	750				
																FP	15				