GOVERNMENT OF KARNATAKA

KARNATAKA AGRICULTURE PRICE COMMISSION

IFS MODELS

TO IMPROVE FARMERS INCOME AND WELFARE

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CONTENTS

FARMERS INCOME AND WELFARE DEVELOPMENT IN KARNATAKA

1. BACKGROUND

The agriculture sector in India is completely at cross roads because it is dependent completely on monsoon and market. Nearly 65% of the cultivated area is under rainfed farming, vagaries of monsoon associated with climate change in terms of rainfall distribution which affects agriculture production and sustainability of farmers. The income levels of the rural population in general and farmers in particular are lower. Although, the country achieved commendable position in food production, farming itself turned non-profitable over time due to raising cost of production, market fluctuations and un-economical holdings. If given an opportunity, as reported more than 85% of the farmers are willing to change their profession. The population dependence on agriculture during 1950's was to the extent of 83%, which gradually reduced to 65% by 2000 and further declined to 55% by 2011. On the contrary, the food requirement is increasing year by year due to burgeoning population. There is a strong need to create an environment where in the migration of rural population to urban areas and also changing of agriculture profession is balanced so as to enable sustainability and profitability of the agriculture sector.

The state of Karnataka has 30 districts, 176 blocks, 769 sub-blocks, 6019 gram panchayaths and 29340 villages covering a geographical area of 190.50 lakh ha with cultivable area of 121.61 lakh ha. The state has the highest drought prone area next only to Rajasthan since, only 1/3rd of the area is under irrigation. The state has been divided into 10 agro-climatic zones with rich crop diversity and has 5 major soil types. Nearly, 76% of the holdings are small and marginal with an average size of the holding is only 1.55 ha, which is un-economical and un-viable.

As per IMD, the state is divided into 3 meteorological sub-divisions (Coastal, North interior and South Interior). Although, the mean annual rainfall of the state is 1220 mm but the rainfall over more than 75% of the area in the state receives an average annual rainfall ranging from 450 to 700 mm. This calls for highest priority to agriculture sector through appropriate management technologies under rainfed farming and incentives for sustainability of the farming community. The crop productivity in these vast rainfed areas is very low, which needs to be enhanced for making it remunerative.

Critical issues

Nearly 2/3rd area under rainfed cultivation, where the major limitation is soil moisture, poor soil fertility, low water holding capacity and this results in stagnant/low productivity in many crops. The state is experiencing severe droughts frequently (11 out of 15 years from 2001 to 2015) which makes the farmers to lose crop and forces them for migration to urban areas in search of employment and also forces them to commit suicides.

The vast majority of soils in Karnataka under rainfed conditions are deficient in major and micro-nutrients besides having poor soil structure and organic matter. The soil health

status especially the organic matter and structure are important from the moisture retention and supply to the crops. Further, the nutrient status being low, needs to be improved for deriving higher productivity. The efforts in this direction under soil health mission, in analyzing the soils for both physical and chemical properties and to issue soil health cards with recommendations for higher productivity is being covered in the entire state. As on today, nearly 16.0 lakh soil samples have been analyzed and 12.0 lakh soil health cards have been issued to the farmers.

High population dependency on agriculture sector with large number of small and marginal farmers, expensive and constraint in availability of labour, absence of skilled manpower, over exploitation of ground water, inadequate facilities for processing, value addition, packing, non-remunerative prices in the market, low and un-realizable MSP, inadequate market infrastructure, poor supply chain linkages made the farming un-economical.

The average size of operational holdings has continuously declined in Karnataka from 3.20ha in 1970-71, to 1.74 ha 2000-01 and to further down only to 1.55 ha in 2015-16.This land holding size is unviable and uneconomical for any production programs. The overhead costs will be very high and hence, the farm activity will not be a remunerative profession. It is desirable that a minimum economic holding size with is estimated to be 2.56 ha. It is in this direction pooling of lands in a cluster approach for production activities and also marketing through farmer producer organization (FPO's) is an essential step in making the agriculture sector a viable and sustainable venture.

Karnataka, being an upper and mid riparian state is totally dependent on surface irrigation from Cauvery and Krishna basin. Since, these two basins are under the tribunal order for utilizing specified quantity of water for irrigation, the scope for expansion of area under surface irrigation is very limited, Further, inadequate extension services, poor penetration of safety nets - crop insurance and insufficient credit facilities have made the farmers more vulnerable to bear the risk.

Important issues for doubling the farmer's income:

A. Special focus on irrigation with sufficient budget with the aim of (i) 'per drop more crop' (ii) ensuring availability of quality seeds (iii) nutrients based on soil health of each field and (iv) introduction of farmer's friendly new crop insurance scheme to mitigate the risk at affordable cost. These interventions are expected to considerably enhance production and productivity and reduce per unit cost of production.
B. Diversification from merely growing cereals to growing high value crops, rearing livestock, fisheries, poultry, bee keeping, undertaking composting and agro-forestry etc. This would help the farmers to supplement their income, proving to be important for doubling of farmer's income.
C. Reducing post harvest losses, integrating processing with producers to enhance income
D. Model contract farming approach

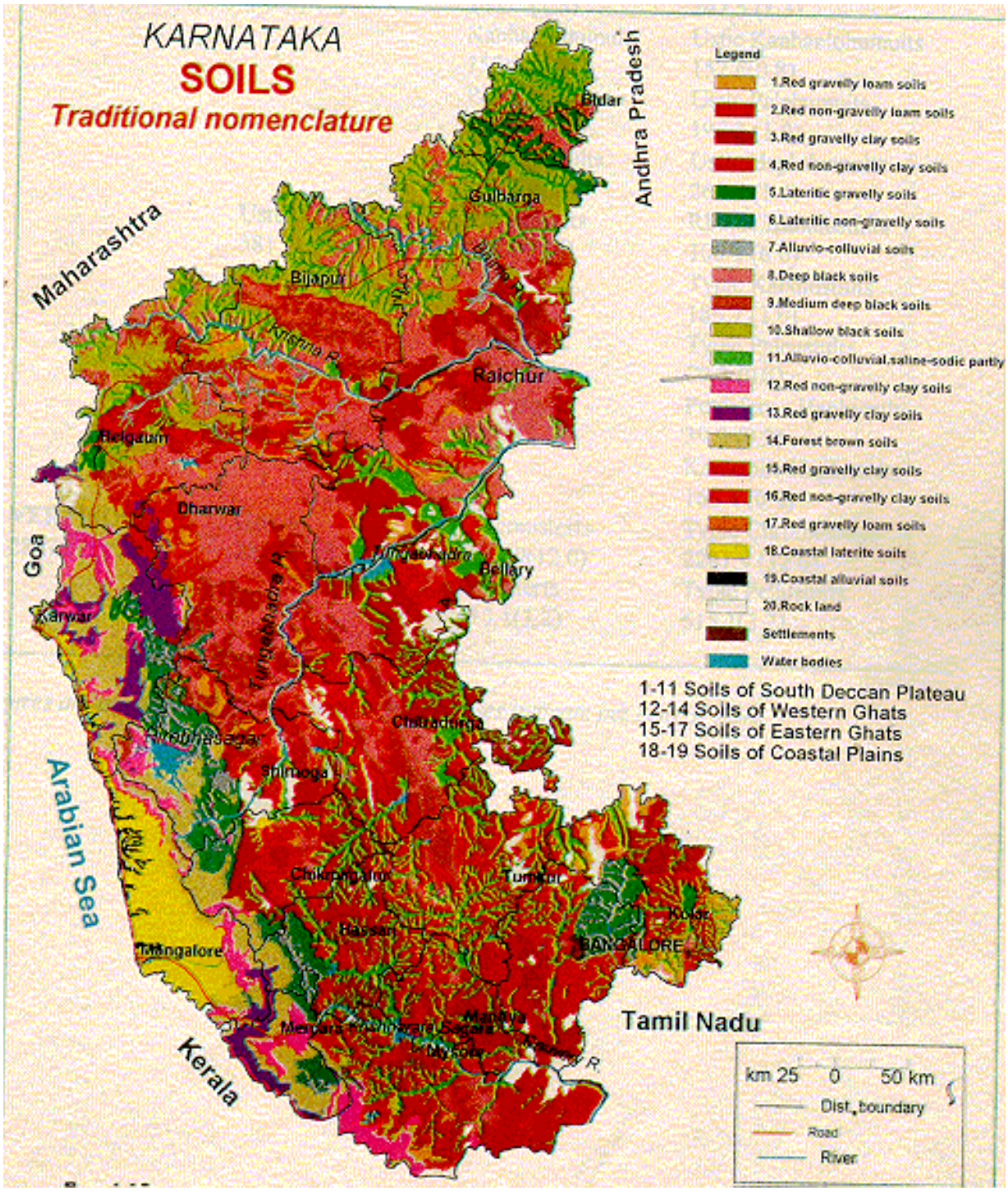
2.GENERAL DESCRIPTION OF THE STATE

Karnataka, a state of south western region of India, inhabited predominantly by Kannada speaking people, is mainly an agrarian State with nearly 61.3% of rural population depending on agriculture as their primary means of livelihood (2011 census). Karnataka is located between 11°30' North and 18°30' North latitudes and 74°00′ East and 78°30' East longitude. Karnataka state was formed on 1 November 1956, with the States Reorganization Act. Originally known as the State of Mysore, it was renamed as Karnataka in 1973. The capital and largest city is Bangalore (Bengaluru). Karnataka is bordered by the Arabian Sea and the Laccadive Sea to the west, Goa to the northwest, Maharashtra to the north, Telangana to the north east, Andhra Pradesh to the east, Tamil Nadu to the south east, and Kerala to the south west. Karnataka extends to about 750 km by road from North to South and about 400 km from East to West. Coastal zone is a narrow strip of land, about 310 km, between the Arabian Sea in the west, the Western Ghats in the east, Kerala in the south and Goa in the north.

Karnataka has a total land area of 1, 91,791 sq. km, accounting for 5.83% of the total area of the country (3,288,000 sq. km) and occupies eighth place in terms of size. For administrative purposes, Karnataka has been divided into four revenue divisions viz., Bengaluru (9 districts, 52 taluks), Belagavi (7 districts, 50 taluks), Mysuru (8 districts, 46 taluks) and Kalaburagi (6 districts, 30 taluks) covering 49 sub-divisions, 30 districts, 176 taluks, 769 hoblies, 6019 Grama Panchayats and 29340 villages (including 1943 un-inhabited villages). In all now, state has 30 districts with 176 taluks, 769 hoblies, 347 cities, 27,397 inhabited villages and 6019 Gram panchayats. Agriculture has been the principal occupation of the people in the state. About 64.3% of population is dependent on agriculture and allied activities.

Physiography: The state covers an area of 191,976 sq. km (74,122 sq. mi), or 5.83 percent of the total geographical area of India. It is the eighth largest Indian state by area. With 61,130,704 inhabitants at the 2011 census, Karnataka is the ninth largest state by population, comprising 30 districts (As per 2011 census). Karnataka has a variety of topographical situations ranging from the coastal plains to gentle slopes and areas culminating with spectacular heights in the Western Ghats. Major parts of Karnataka lies between 450 and 900 m above mean sea level. However, in some places in Chikkamagalur, and Shivamogga districts, the elevation over 1800 m, the highest peak being the Mullayyanagiri at 1920 m in the Baba-Budan (Chandradrona Parvata) ranges, followed by Kudremukh at 1892 m.

Soils: Karnataka State represents a wide variety of geological, climatic, vegetation and physiographic features that have influenced soil formation and thus give rise to nine distinct types of soils. The different soils have distinct morphological and physico-chemical properties that have a large influence on choice of crops, crops' growth and cropping pattern, giving a unique status to the Karnataka State. As per the taxonomic classification, the soils of Karnataka are grouped into 7 orders, 12 suborders, 27 great groups, 47 subgroups and 96 soil families Of the total area of Karnataka, 27% is covered by Alfisols, 25% by Inceptisols, 16% by Entisols, 15% by Vertisols, 8% by Ultisols, 5% by Aridisols and 1% by Mollisols. An area of about 4% is miscellaneous land type and that includes rocky lands, water bodies and urban area.


KARNATAKA
SOILS
Traditional nomenclature
Legend
1.Red gravelly loam soils
2.Red non-gravelly loam soils
3.Red gravelly clay soils
4.Red non-gravelly clay soils
5.Lateritic gravelly soils
6.Lateritic non-gravelly soils
7.Alluvio-colluvial soils
8.Deep black soils
9.Medium deep black soils
10.Shallow black soils
11.Alluvio-colluvial,saline-sodic partly
12.Red non-gravelly clay soils
13.Red gravelly clay soils
14.Forest brown soils
15.Red gravelly clay soils
16.Red non-gravelly clay soils
17.Red gravelly loam soils
18.Coastal laterite soils
19.Coastal alluvial soils
20.Rock land
Settlements
Water bodies
1-11 Soils of South Deccan Plateau
12-14 Soils of Western Ghats
15-17 Soils of Eastern Ghats
18-19 Soils of Coastal Plains
Andhra Pradesh
Maharashtra
Goa
Kerala
Tamil Nadu
Arabian Sea
Bidar
Gulbarga
Bijapur
Raichur
Belgaum
Dharwar
Karwar
Bellary
Chitradurga
Shimoga
Chikmagalur
Tumkur
Kolar
Hassan
Mangalore
BANGALORE
Mysore
km 25 0 50 km
Dist. boundary
Road
River

Climate: Modern agriculture requires precise information on rainfall, knowledge about droughts, floods, and agro-climatic conditions to plan effective cropping patterns for different zones. The climate of Karnataka is basically tropical and determined largely by the physiographic and geographic location with respect to the sea and monsoon.Karnataka witnesses three types of climate. The state has a dynamic and erratic weather that changes from place to place within its territory. Due to its varying geographic and physio-graphic conditions, Karnataka experiences climatic variations that range from arid to semi-arid in the plateau region, sub-humid to humid tropical in the Western Ghats and humid tropical monsoon in the coastal plains.

Rainfall: The economy of Karnataka is mainly agrarian and most of it is dependent on the rainfall; mainly the southwest monsoon. The extent of arid land in the state is second only to Rajasthan. Only 36.5% of sown area (3658708 ha) is subjected to irrigation and hence the rest of the cultivated land is entirely dependent on rainfall. Rainfall is also crucial to recharge the depleting ground water and Karnataka has come up with innovative methods like rainwater harvesting in order to solve the drinking water scarcity in the state.

Karnataka State receives an average annual rainfall of 1213.8 mm with a minimum of 549 mm in Chitradurga district to a maximum rainfall of 4506.5 mm in Udupi district. The average normal rainfall received in southern and northern interior Karnataka is 750.7 mm and 723.9 mm, respectively. Whereas in Malnad and coastal Karnataka, average rainfall is 2017.3 mm and 3800 mm, respectively. Coastal zone receives highest rainfall of 4506 mm, followed by Malnad region (2868.6 mm), while normal rainfall is lower in south and north interior Karnataka. Agumbe in Shivamogga district receives the second highest annual rainfall in India next only to Cherapunji.

The four seasonal average normal rainfalls of winter rains (Jan. – Feb), hot weather pre-monsoon rains (March – May), south –west monsoon (June – Sept.) and north-east monsoon (Oct. – Dec.) were 3.2 mm, 135.4 mm, 875.7 mm and 199.5 mm. Pre-monsoon is divided as winter season rainfall (Jan. – Feb.) (which is hardly 4.2 mm) and hot weather rainfall (Mar. – May, 131.2 mm). Of all seasons, south-west monsoon provides 72.1% of total rainfall in the state, while north-east rainfall covers about 16.4% of rainfall. Hot weather rainfall accounts for 11.1% of total rainfall, while rains during winter months (Jan-Feb.) are hardly 0.26%.

Temperature: Karnataka experiences the lowest temperature during the month of January and then the temperature gradually increases. The temperature begins to soar rapidly during the month ofMarch. The southern parts of the state generally experience the highest temperature during the month of April while in the coastal plains the temperature reaches its maximum during the month of May. Post monsoon, during the months of October and November the temperature decreases in the state and comes down further during the month of December.The average high temperature during summer is 34° to 39^0 Celsius across the state. The average day temperature is 29° to 33^0C in the monsoon season. During winter temperatures range from 22° C to 25° C. Summer starts in March and lasts till May.

April and May are the hottest months in almost all cities of Karnataka. It is during this season that humidity is quite less in the atmosphere.

Land use pattern: The state of Karnataka is the eighth largest in the country having a geographical area of 190.50 lakh ha. The net sown area is 97.40 lakh ha (2015-16) (51.13%) and the area sown more than once is 26.34 lakh ha with a cropping intensity of 127%. Area under forest is 30.73 lakh ha (16.13%), area under land not available for cultivation is 22.15 lakh ha (11.63%), area under other uncultivated land is 14.45 lakh ha.(7.59%) and the area under fallow land is 23.33 lakh ha (12.25%) (Table 1.17).

Belagavi is the biggest district with a geographical area of 13.44 lakh ha (7.06%) followed by Kalaburagi with 10.94 lakh ha (5.74%), Tumakuru with 10.64 lakh ha (5.59%), Vijayapura with 10.53 lakh ha (5.53%), Uttara Kannada with 10.25 lakh ha (5.34%) and other districts. Bengaluru Urban is the smallest district with 2.17 lakh ha (1.14%).

The percentage of net cultivated area is highest in Vijayapura district (84.5%) followed by Gadag (79.1%), Kalaburagi (75.1%), Haveri (74.6%), Dharwad (70.9%), Koppal (69.6%), Bagalakot (68.6%) and other districts. Net cultivated area is lowest in Uttara Kannada district (10.8%), Bengaluru Urban district has the 2nd lowest percentage of net cultivated area of (17.1%). Whereas, the percentage forest area is highest in Uttara Kannada (79.4%), followed by Chamarajanagar (48.4%), Kodagu (32.8%), Shivamogga (32.7%), Udupi (28.1%), Chikkmagalur (28%) and Dakshina Kannada (26.9%). Forest area is lowest in Vijayapura (0.2%) (Fig. 1.13).

Percentage of area under other uncultivated lands is highest in Udupi (25.8%), followed by Shivamogga (24.4%), Chikkmagalur (17.7%), Chikkballapur (16.5%). The percentage of area under other uses is lowest in Bagalkot (0.9%) (Table 1.17). Percentage of area under land not available for cultivation is highest in Bengaluru Urban (61.9%), followed by Dakshina Kannada (26.7%), Bengaluru Rural (24.7%), Ballari (20.1%). Percentage of area not available for cultivation is lowest in Gadag and Raichur (4.9%).

Population: Karnataka State has a total population of 61,095,297 (As per 2011 Census), comprising, 30,966,657 males and 30,128,640 females (Table 48). In terms of population, Karnataka is ninth largest populous state of India. Withinthe State, Bengaluru (Urban) district has the highest population of 9,621,551 (15.7%) followed by Belagavi district with 4,779,661 (7.82%). The other districts with more than 20 lakhs population are, Mysuru (3001,127-4.9 %), Tumakuru (2678,980-4.4%), Kalaburagi (2566,326-4.2%), Ballari (2452,595-4.0%), Vijayapura (2177,331-3.6%) and Dakshina Kannada (2089,649-3.4%).

The share of Schedule Caste Population is the highest in Kolar district (30.3%), followed by Chamarajanagar district (25.4%). The other districts which have more than 20% S.C population are Kalaburagi (25.3%), Chikkballapura (24.9%), Bidar (23.5%), Chitradurga (23.5%), Chikkmagalur (22.3%), Bengaluru Rural (21.6%), Ballari (21.1%), Raichur (20.8%), Vijayapura (20.3%) and Davangere (20.2%). Udupi district has the lowest S.C. population (7.1%). The other districts which have less than 10% S.C. population are U. Kannada (8.1%) and Dharwad (9.6%).

Population of scheduled tribes is highest in Raichur district (19.0%) followed by Ballari (18.4%) and Chitradurga (18.2%). The other districts which have more than 10% S.T population are Bidar (13.9%), Yadgir (12.5%), Chikkballapur (12.5%), Davanagere (12.0%), Koppal (11.8%), Chamarajanagar (11.8%), Mysuru (11.2%) and Kodagu (10.5%). The lowest population of scheduled tribes is in Mandya district (1.2%).The other districts which have less than 5% scheduled tribes population are Hassan (1.8%), Bengaluru Urban (2.0%), Ramanagaraa (2.1%), Uttara Kannada (2.4%), Kalaburagi (2.5%), Shivamogga (3.7%), Chickmagalur (3.4%), Dakshina Kannada (3.9%), Udupi (4.5%) and Dharwad (4.7%)

Land Holdings: Totally there are 78,32,189 farm holdings (Agricultural holdings) covering totally 12,161,457 ha. Marginal (49.14% of total holdings) and small farmers (27.3%) constitute 76% of the holdings and cover agricultural land area of 40.05% (15.22% and 24.83% respectively). About 16.17% of semi medium farmers cover 27.90 percent area, 6.52 % medium farmers operate 23.88% area and 0.86% big farmers operate 8.17% area.

3. INTEGRATED FARMING SYSTEM FOR SUSTAINABLE LIVELIHOOD

The practice of Integrated Farming System (IFS) is not unfamiliar in Indian agriculture, as animals were reared in a farm in close integration with crop production. Simultaneous adoption of two or more enterprises with mutual interdependence or sharing common resources is popularly termed as Integrated Farming System. Without naming it so, Indian farmers have indeed practiced Integrated Farming System, since many centuries for advantages like augmented year round income or additional employment.

Indian agriculture has challenge of providing national as well ashousehold food and nutritional security to its teeming millions in a scenario of plateauing genetic potential in all major crops. Declining productivity in vast tracts of rainfed/ dryland areas constituting approximately 44.2% of net cultivated area is a matter of long term concern. Wide-spread occurrence of ill-effects of green revolution technologies in all intensively cultivated areas is threatening the sustainability of the important agricultural production systems and national food security. The human population of India has increased to 1210.2 million at a growth rate of 1.76 per cent in 2011 and is estimated to increase further to 1530 million by 2030.On the other hand our national food grain production for past 3-4 years is hovering around 270 million tonnes.There are projections that demand for food grains would increase to 345 million tonnes in 2030. Compounding the gravity of the problem, the average size of the landholding has declined to 1.55 ha during 2015-16 from 1.65 ha in 2011-12, which can reduce the possibility of adoption of many agro techniques.

Farmer suicides rates in India due to crop failures are increasing at an alarming rate in recent years. In Karnataka, the farmers, especially in the Cauvery command (irrigated) viz., Mandya, Mysore and Hassan district are more prone to suicides than the rainfed ecosystem, probably associated with huge loans as a part for their agricultural investments and exposure to distress under failed crop situations. Moreover, farmers are practicing mono-cropping of rice / sugarcane / maize in command areas with less impetus on integrated farming systems.

Integrated Farming System (IFS) is a system, which tries to imitate the natural principle, in which not only crops, but other allied activities such as livestock, poultry, fisheries, sericulture are utilized for production. They are combined in such a way and proportion that each component helps the other, the waste of one is recycled as resource for the other. The basic principle is to enhance ecological diversity by choosing different components so that there is less competition for water, nutrition and space through adoption of many eco-friendly practices including multi storey cropping so as to utilize the available area effectively with high level of interaction among biotic and abiotic components. The whole farm productivity is expected to increase due to integration of subsystems in which various components interact positively.

In addition, Integrated Farming System is a labour intensive system, engaging the farmer family productively on their own farms , throughout the year. IFS with cluster approach will lead to collective efforts for purchase of inputs and marketing of their produce, thus reducing costs of production and increase in income. IFS ensures increase in productivity, income and sustainable livelihood.

Integrated Farming System plays an important role for maximizing their profit and production to meet the nutritional requirement with food security with less investment. Further, in IFS it is more advantageous that the farmers are able to produce more by using optimal resource utilization and recycling of waste materials and family labour employment. The regular flow of income from other subsidiary enterprises like dairy, sheep, goat, piggery, fisheries, apiculture, mushroom cultivation, sericulture in IFS approach will help the farmer to overcome crop failures due to vagaries of monsoon and can sustain his livelihood. Such integrated approaches are expected to curtail farmer suicides through livelihood enhancement activities by advocating suitable integrated farming system modules to suit the farmers bio-physical resources, social constraints etc.

COMPONENTS OF INTEGRATED FARMING SYSTEM

Farming system approach envisages the integration of field crops, vegetables, fruit cultivation, agro-forestry, dairy, sheep and goat rearing, fishery, poultry, duckery, pigeon, biogas, mushroom, sericulture, bee keeping and by-product utilization of crops with the main goal of increasing the income and standard of living of small and marginal farmers. Vision 2030, suggested the integration of crop agriculture with agro forestry, pisciculture and animal husbandry as an important components for resource utilization, enhancing farm income and livelihood security of farmers. IFS can involve various combinations of enterprises like:

1. Crop cultivation-field crops
2. Crop cultivation-horticulture crops
3. Dairying
4. Sheep/Goat rearing
5. Fisheries
6. Sericulture
7. Agro forestry

Advantages of Integrated Farming Systems:

Promotion of IFS derives advantages like:

- Improvement of soil fertility leading to sustainable agriculture
- Poverty alleviation, as its adoption generates well spread over higher income than single activity based agriculture
- Yield improvement, as an indirect advantage of improvement of soil fertility
- Risk minimization, as diversity index of an IFS farm is higher than single activity (say crop production alone) based agriculture
- Additional employment generation, as IFS activities constantly generate year round employment
- Cost reduction, as use of on-farm inputs reduces the cost of externally bought inputs. Cost reduction technique will ultimately improve the net returns
- Improved resource management, as outputs of all the enterprises are efficiently utilized with/without conversion as inputs and therefore resources are more efficiently used.
- Strategy of efficient water management, because adopting IFS invariably leads to Carbon sequestration, which helps in better retention of soil moisture for longer period

4. PROJECT DETAILS:

The Karnataka Agriculture Price Commission has taken up the model demonstration units in eight districts wherein one ideal village has been selected with 25 farmers. In all there will be 200 farmers. The baseline survey of these farmers has been taken by developing an appropriate templates and the same are appended. The Krishi Vigyan Kendras functioning in each district are considered as the nodal agency for co-coordinating and implementing the IFS models suggested by the PLUS Trust. The villages selected for implementation of the project is given below:

Sl.No.	Krishi Vigyan Kendra and Extension Education Unit	University	Selected Village
1.	Konehalli, Tumakuru	UAS, Bengaluru	Hulukatte Koppa, Tiptur Tq., Tumakuru district
2.	Tamaka, Kolar	Horticultural University, Bagalakote	Byappanahalli, Sugaturu Hobli, Kolar Tq.,
3.	Hiriyuru, Chitadurga district	Agricultural and Horticulture University Shivamogga	Shidlaiahna Kote, Hiriyuru Tq.,

4.	Kanakanadi, Mangalore Tq., D.Kannada district	Veterinary & Fisheries University, Bidar	Dharegudda, Mangaluru Tq.,
5.	Raichur	UAS, Raichuru	Jakkadinni, Manavi Tq.,
6.	Kalaburagi	UAS, Raichuru	Telluru, Aland tq.,
7.	Hanumanamatti, Haveri tq.,& District	UAS, Dharwad	Kurduveerapura, Byadagi Tq.,
8.	Horticultural Extension Education Unit, Arabhavi, Gokak Tq., Belagavi District	Horticultural University, Bagalakote	Madhuwala, Gokak Tq.,

The PLUS Trust has developed the templates and the KVK staff have collected the basic information as per templates and the same has been submitted. The PLUS Trust in turnhas made detailed analysis of each farmer and developed appropriate IFS model for doubling the income. One day workshop was organized in each of the villages involving the selected farmers, scientists of the university and the concerned officers from the development departments. After detailed discussions with every individual farmer about the plan, the suggestions from them were also taken to improvise the model. The concerned department Officers will be requested to extend necessary benefits from the on-going schemes. The NABARD representative was also invited for the workshop so that where ever credit facilities are required the same will be facilitated for extending the loan from the local banks.

In every village the group of 25 farmers was formed with the help of KVK as one group and both back ward and forward linkages are extended so that the farmers can buy fertilizers, seeds, PP chemicals and other inputs through whole sale markets. Further, the produce will be pooled and sold with a better advantage due to higher volume of the produce. In all these activities the KVKs will extend co-operation. The PLUS Trust has participated in the workshop, interacted with each farmer and suggested appropriate IFS model. Further, the PLUS Trust had direct contact with the farmers and the KVKs and mid term suggestions were given.

Village wise and farmer wise requirement of various components for implementation of IFS projects is furnished at Annexures.

5. Farmer wise IFS models of Madhuwal Village, Gokak taluk, Belagavi District

1. Name of the farmer: T. S.Patil (8.00 acres, 4 acres leased out)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton (D)	2.0	19	4000	76000	40000	36000
Sorghum (D)	1.0	8.0	1400	11200	9000	2200
Maize (D)	0.75	11	1400	15400	9000	6400
Groundnut	Intercrop	1.0	2800	2800	1000	1800
Napier grass (D)	0.25	2.7 t	-	-	-	-
Buffaloe	2	700	30	21000	12000	9000
Total				**126400**	**71000**	**55400**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	3.0	30000		90000	150000
Maize (D)	1.0	20000		20000	40000
Cluster beans(D)	2.0	40000		80000	160000
French beans(D)	0.5	40000		20000	40000
Napier grass	0.5	25000		20000	40000
Brinjal (D)	1.0	40000		40000	80000
Rabi jowar (D) + Bengal gram	2.0	20000		40000	80000
Mango (D)	1.0	40000		40000	80000
Farm pond 15 M X 15 M X 3 M		52500	52500		
Bore well + pipeline (400 ft)		200000	200000	10000	
Vermicompost unit -1 unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu , coconut ,Neem, Teak etc) (At the end of sixth year)		2000	8000		100000
Micro irrigation with stored water well (1 Ac)		30000	30000		
Livestock/ animal component					
Buffaloe -2 (existing) + 1 new buffaloe			30000	45000	105000
Back yard poultry 10+1-Giriraja			800	800	3000
Total			**336300**	**410800**	**898000**

2. Name of the Farmer: S.Y.MUDDAR (3 ac. own + 3 ac leased out):1ac (I)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.0	40 t	2200	88000	30000	58000
Cotton	1.5	9.0	4000	36000	20000	16000
Sorghum	0.5	5.0	1400	7000	2000	5000
Buffaloe	2	650 Lt	30	19500	10000	9500
				150500	**62000**	**88500**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit (Acres)	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	1.0	70000		70000	120000
Cotton (D)	1.0	30000		30000	50000
Green chillies (I)	0.5	40000		20000	40000
Brinjal (I)	0.5	40000		20000	40000
Napiergrass	0.25	40000		10000	20000
Soybean/ Cl. Bean	0.75	20000		15000	30000
Rabi jowar + B. gram	2.0	20000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Neem, teak etc), (At the end of sixth year)		2000	6000		75000
Micro irrigation with stored water or bore well under KBY or NHM (1 Ac)		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Buffaloe -2 (existing)				30000	70000
Back yard poultry 10+1 (Giriraja)		800	800	800	3000
Total			**199300**	**280800**	**698000**

3. Name of the farmer M.M. Talwar (2 ac. rainfed)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.00	6	4000	24000	5000	19000
Sorghum	0.5	5	1400	7000	3000	4000
Maize	0.5	3	1300	4200	2000	2200
Goat	8	280	400	112000	8000	104000
Total				**147200**	**18000**	**129200**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton(D)	1.0	30000		30000	50000
Cluster bean (D)	1.0	40000		40000	80000
Maize (D)	0.5	20000		10000	20000
Green chillies(D)	0.5	40000		20000	40000
Cabbage (I)	0.5	40000		20000	40000
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Neem, teak etc), (At the end of sixth year)		2000	4000		50000
Micro irrigation with stored water -1 Ac		30000	30000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Goats(8)- existing				20000	60000
Goats/sheep -20+2 proposed	10+1	30000	60000	50000	150000
Backyard poultry 10+1(Giriraja)		800	800	800	3000
Total			**222300**	**235800**	**663000**

4. Name of the farmer: S.M.Hulkund (5.0 ac – 3.0 ac irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.5	50	2200	110000	35000	75000
Cotton	1.0	10	4000	40000	15000	25000
Sorghum	1.0	10	1400	14000	5000	9000
Maize	1.5	30	1400	42000	10000	32000
Total				**206000**	**65000**	**141000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	1.5	70000		100000	150000
Cotton (I)	1.0	30000		30000	50000
Tomato (I)	1.0	40000		40000	80000
Bhendi (I)	0.5	40000		20000	40000
Napier grass (I)	0.5	40000	20000	12500	40000
Cabbage (I)	1.5	40000		60000	120000
Rabi jowar+ B. gram(D)	1.5	20000		30000	60000
Guava (high density)	0.5	60000		30000	40000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Neem, teak etc) (At the end of sixth year)		2000	8000		100000
Micro irrigation with stored water or bore well -1Ac		30000	30000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000	9000	
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe –1		30000	30000	15000	35000
Back yard poultry 10+1		800	800	800	3000
Total			**294300**	**392300**	**888000**

5. Name of the farmer B.N. Dalawatti (5.5 ac/ 5.0 irrigated +5.0 ac lease in)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.0	9	4000	36000	9000	27000
Sugarcane	3.0	90	2200	198000	90000	108000
Maize	1.0	20	1400	28000	15000	13000
Buffaloe	5	1200	30	36000	15000	21000
Total				**298000**	**129000**	**169000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	2.0	30000		60000	120000
Sugarane (I)	3.0	70000		210000	360000
Napier grass(I)	0.5	40000	20000	12500	40000
Bhendi (I)	0.75	40000		30000	60000
Green chillies (I)	2.0	40000		80000	160000
Cauliflower(I)	0.5	40000		20000	40000
Brinjal(I)	1.0	40000		40000	80000
Baby corn(I)	1.5	20000		30000	60000
R. jowar + B.gram	1.25	20000		25000	50000
Papaya(I)-high dens.	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	8000		100000
Micro irrigation with stored water or bore well -1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -5 (existing)				75000	175000
Cage/ deep litter system broiler birds-500			120000	80000	300000
Total			**340500**	**747500**	**1795000**

6. Name of the farmer: R.M. Hadimani (4.0 ac- 3.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	2.0	70	2200	154000	50000	104000
Cotton	1.0	12	4000	48000	10000	38000
Sorghum	0.5	10	1400	14000	6000	8000
Buffaloe	2	750	30	22500	16000	6500
Total				**238500**	**82000**	**156500**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	2.0	70000		140000	240000
Cotton (I)	1.0	30000		30000	50000
Napier grass (I)	0.5	40000	20000	20000	40000
Kharif jowar (I)	0.5	20000		10000	20000
Brinjal (I)	0.5	40000		20000	40000
Green chillies(I)	0.5	40000		20000	40000
Bhendi (I)-	0.5	40000		20000	40000
Rabi jowar + Bengal gram (D)	1.0	20000		20000	40000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	8000		100000
Micro irrigation with stored water or bore well under KBY/ NHM-1Ac		30000	30000		
Bore well recharging under MGNREGA		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2 (existing)				30000	75000
Back yard poultry 10+1		800	800	800	3000
Total			**221300**	**355800**	**858000**

7. Name of the Farmer: M.T.Muddar (2.0 ac/1.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.0	30	2200	66000	34000	32000
Cotton	1.0	6	4000	24000	12000	12000
Buffaloe	1	450	30	13500	6000	7500
Total				**103500**	**52000**	**51500**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit (Acres)	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	1.0	30000		30000	50000
Maize (I)	0.5	20000		10000	20000
Napier grass (I)	0.5	40000	20000	12500	40000
Green chillies (I)	0.5	40000		20000	40000
Cabbage (I)	0.5	40000		20000	40000
Rabi jowar (D)	0.5	20000		10000	20000
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, teak, neem etc) (At the end of sixth year)		2000	4000		50000
Micro irrigation with bore well -1 Ac		30000	30000		
Bore well recharging		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1 (existing)				15000	35000
Back yard poultry 10+1-Giriraja			800	800	3000
Sheep unit 10+1			30000	25000	75000
Total			**214800**	**188300**	**543000**

8. Name of the Farmer B.S.Hadimani (1.5 ac dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.5	5	4000	20000	10000	10000
Clusterbean-Intercrop		4	3000	12000	1000	11000
Total			**7000**	**32000**	**11000**	**21000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	1.0	30000		30000	50000
Cluster bean (D)	0.25	40000		10000	20000
Napier grass	0.25	40000	10000	6500	20000
Vermi-compostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, teak, neem etc) (At the end of sixth year)		2000	2000		25000
Establishment of small hotel (entrepreneur) with bank loan		200000	200000		
Construction of cow shed			43000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1		30000	30000	15000	35000
Backyard poultry 10+1-Giriraja		800	800	800	3000
Total			**390800**	**107300**	**323000**

9. Name of the farmer: Jyothi H.Harijan (0.52 ac. dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	0.52	4	4000	16000	4000	12000
Sheep	2	69Kg	400	27600	5000	22600
Total				**43600**	**9000**	**34600**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton(D)	0.5	30000		15000	25000
New bore well under Ganga Kalyan Project (for SC/ST)		200000	200000		
Vermi-compostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem , teak etc) (At the end of sixth year)		2000	1000		12500
Construction of cow shed		43000	43000		
Livestock/ animal component					
C.B.Cow -1+1 (HF)		45000	90000	40000	150000
Back yard poultry 10+1- Giriraja		800	800	800	3000
Sheep 10+1		30000	30000	25000	75000
Total			**379800**	**85800**	**285500**

10. Name of the farmer S.N. Uddanayak (5.0 ac/2.0 ac. irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	2.0	80	2200	176000	40000	136000
Cotton	0.75	6	4000	24000	10000	14000
Buffaloe	1	700	30	21000	12000	9000
Total				**221000**	**62000**	**159000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	1.5	70000		105000	180000
Cotton (I)	1.0	30000		30000	50000
Bhendi (I)	0.5	40000		20000	40000
Cluster beans (I)	0.5	40000		20000	40000
Papaya (I0	0.5	60000		30000	40000
Green chillies (I)	1.5	40000		60000	120000
Cabbage (I)	1.0	40000		40000	80000
Rabi jowar + Bengal gram	2.0	20000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc), (At the end of sixth year)		2000	10000		125000
Micro irrigation with stored water or borewell		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1(existing)				15000	35000
Goats 20+2		30000	60000	50000	150000
Poultry (cage / deep litter)- 500 birds		120000	120000	80000	300000
Total			**382500**	**550000**	**1410000**

11.Name of the farmer M.B.Patil (5 ac/ 3.0 ac.irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	2.0	100	2200	220000	70000	150000
Cotton	2.0	20	4000	80000	30000	50000
Maize	1.0	14	1400	19600	9000	10600
Buffaloe	1	380	30	11400	5000	6400
Total				**331000**	**114000**	**217000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	3.0	70000		210000	360000
Cotton(I)	1.0	30000		30000	50000
Maize(I)	0.5	20000		10000	20000
Napier grass (I)	0.25	40000	10000	6000	20000
HD guava (I)	0.25	60000		15000	20000
Tomato (I)	0.5	40000		20000	40000
Cabbage (I)	1.25	40000		50000	100000
Farm pond 12 M X 12 M X 3 M		32500	325000		
Vermicompostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	10000		100000
Micro irrigation with stored water or bore well -1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1(existing)				15000	35000
Back yard poultry 10+1- Giriraja			800	800	3000
Total			**505800**	**401800**	**918000**

12. Name of the farmer Kasturi Udanayak (1.0 ac-dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area(ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	0.5	3	4000	12000	4000	8000
Maize	0.5	6	140	8400	4000	4400
Buffaloe	1	400	30	12000	4200	7800
Total				**32400**	**12200**	**20200**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Maize (D)	0.5	20000		10000	20000
Kharif jowar (D)	0.5	20000		10000	20000
Vermi-compostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	2000		25000
Construction of cow shed		43000	43000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2 (1 existing)				15000	35000
Total			**150000**	**80000**	**270000**

13. Name of the farmer K.A. Ghivani (6.0 ac/ 3.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.0	13	4000	52000	20000	32000
Sorghum	1.0	9	1400	12600	6000	6600
Bhendi	1.0	15	2500	37500	10000	27500
Tomato	1.5	20	2000	40000	25000	15000
Buffaloe	1	400	30	12000	6000	6000
Total				**154100**	**67000**	**87100**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	3.0	30000		90000	150000
Maize (I)	1.0	20000		20000	40000
Napier grass(I)	0.5	40000	20000	12500	40000
Bhendi (I)	0.5	40000		20000	40000
Tomato (I)	0.5	40000		20000	40000
HD papaya (I)	0.5	60000		30000	40000
Green chillies(I)	1.5	40000		60000	120000
Cabbage (I)	1.5	40000		60000	120000
Farm pond 15 M X 15 M X 3 M		50500	50500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	12000		150000
Micro irrigation with stored water or bore well u-1Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
Sheep 20+2		30000	60000	50000	150000
Buffaloe -1(existing)				15000	35000
Backyard poultry 10+1- Giriraja		800	800	800	3000
Total			**213300**	**383300**	**948000**

14. Name of the farmer Y.K. Badigawad (6.0 ac/ 2.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	remarks	Rate	Gross Income	Cost of production	Net Income
Cotton	3.0	18	4000	72000	45000	27000
Sorghum	1.0	10	1400	14000	5000	9000
Groundnut	0.5	2	4000	8000	4000	4000
Maize	1.0	12	1400	16800	6000	10800
Napier grass	0.5			0	0	0
Buffaloe	2	720	30	21600	16000	5600
Total				**132400**	**76000**	**56400**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton(I)	1.5	30000		45000	75000
Maize(I)	1.0	20000		20000	40000
Naspier grass(I)	0.5	40000	20000	12500	40000
Tomato(I)	0.5	40000		20000	40000
HD papaya (I)	0.5	60000		30000	40000
Cluster beans (D)	2.0	40000		80000	160000
Cabbage(I)	2.0	40000		80000	160000
Green Chillies(I)	1.0	40000		40000	80000
Brinjal(I)	0.5	40000		20000	40000
Farm pond15 M X 15 M X 3 M			50500		
Vermicompostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu ,neem, teak etc) (At the end of sixth year)		2000	12000		150000
Micro irrigation with stored water or bore well -1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2		30000	60000	30000	70000
Backyard poultry 10+1		800	800	800	3000
Total			**303300**	**423300**	**1068000**

15. Name of the farmer D.C.Holi (1.45 ac. dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	0.75	4	4000	16000	5000	11000
Jowar	0.5	5	1400	7000	2000	5000
Green grass	0.5			0	0	0
Buffaloe	2	650	30	19500	16000	3500
Total				**42500**	**23000**	**19500**

Proposed Model:

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	0.75	30000		22500	40000
Jowar (D)	0.5	20000		10000	20000
New bore well with energisation under Ganga Kalyana Yojana		200000	200000		
Micro irrigation after bore well is commissioned		30000	30000		
Recharging under MGNREGA at the time of bore well digging it self		25000	25000		
Vermi compost unit -1 under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc), (At the end of sixth year)		2000	3000		35000
Livestock/ animal component					
Back yard poultry 20+2-giriraja		800	1600	1600	6000
Total			**274600**	**39100**	**121000**

16 Name of the farmer A.N.Alur (4.5 ac. dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.5	16	4000	64000	30000	34000
Sorghum	1.0	10	1400	14000	5000	9000
Napier grass	0.25			0	0	0
Buffaloe	2	650	30	19500	8000	11500
Total				**97500**	**43000**	**54500**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	2.5	30000		75000	125000
Maize (D)	1.5	20000		30000	60000
Kharif jowar (D)	1.5	20000		30000	60000
Horsegram (D)	0.5	20000		10000	20000
Brinjal (I)	0.5	40000		20000	40000
Cluster bean (I)	0.5	40000		20000	40000
Bhendi (I)	0.5	40000		20000	40000
Farm pond12 M X 12 M X 3 M under KBY along with lifting device		100000	100000		
Vermi-compostunit -1 unit		15000	15000	5000	20000
Micro irrigation with stored water under KBY- 1 Ac		30000	30000		
Border plants (drum stick, Hebbevu, teak, neem etc) (At the end of sixth year)		2000	8000		100000
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2 Existing				30000	70000
Buffaloe -1 new		30000	30000	15000	35000
Rams -10		30000	30000	25000	75000
Backyard poultry 10+1- Giriraja		800	800	800	3000
Total			**303800**	**320800**	**838000**

17. Name of the farmer B.P.Patil (3 ac. / 3.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.75	14	4000	56000	20000	36000
Bhendi	0.5	8	2500	20000	5000	15000
Tomato	0.5	12	2000	24000	10000	14000
Maize	0.25	2	1400	2800	2000	800
Buffaloe	1	360	30	10800	6000	4800
Total				**113600**	**43000**	**70600**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton(I)	2.5	30000		75000	150000
Bhendi(I) /Tomato	0.5	40000		20000	40000
Napier grass (I)	0.5	40000	20000	12500	40000
Cabbage(I)	1.5	40000		60000	120000
Green Chillies(I)	0.5	40000		20000	40000
Brinjal(I)	0.5	40000		20000	40000
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi-compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu ,teak, neem etc) (At the end of sixth year)		2000	6000		75000
Micro irrigation with bore well under KBY/NHM- 1 Ac		30000	30000		
Recharging of bore well under MGNREGA		25000	25000		
Construction of cow shed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2		30000	60000	30000	70000
Backyard poultry 10+1		800	800	800	3000
Total			**312300**	**283300**	**748000**

18.Name of the farmer S.S.Bhavi (2.5 ac./ 1.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.0	30	2200	66000	30000	36000
Cotton	0.75	4	4000	16000	8000	8000
Sorghum	0.5	6	1400	8400	3000	5400
Napier grass				0	0	0
Buffaloe	2	720	30	21600	12000	9600
Total				**112000**	**53000**	**59000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	1.25	30000		37500	62000
Sugarcane (D)	0.5	70000		35000	60000
Napier grass(I)	0.25	40000	10000	6000	20000
Cabbage (I)	1.0	40000		40000	80000
Greenchillies (I)	1.5	40000		60000	120000
Rabi jowar (D)	0.5	20000		10000	20000
Farm pond 10 M X 10 M X 3 M under KBY with lifting devices		22500	22500		
Vermi-compostunit -1 unit		15000	15000	5000	20000
Micro irrigation with stored water or bore well-1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	5000		62500
Livestock/ animal component					
Buffaloes (new) 2		30000	60000	30000	70000
Buffaloe -2 (existing)				30000	70000
Back yard poultry 10-1-Giriraja		800	800	800	3000
Total			**168300**	**254300**	**587500**

19. Name of the farmer S.A.Karaguppi (4.75 ac./ 1.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.0	25	2200	55000	25000	30000
Cotton	2.5	12	4000	48000	20000	28000
Sorghum	1.0	10	1400	14000	5000	9000
Napiergrass				0	0	0
Buffaloe	1	700	30	21000	10000	11000
Total				**138000**	**60000**	**78000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	3.0	30000		90000	150000
Sugarcane (I)	0.5	80000		40000	60000
Napier grass (I)	0.25	40000	10000	6000	20000
Brinjal (I)	0.25	40000		10000	20000
Kharif jowar(D)	0.75	20000		15000	30000
Green chillies (I)	1.0	40000		40000	80000
Cabbage (I)	1.0	40000		40000	80000
Wheat (I)	1.0	20000		20000	40000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermicompostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, teak, neem etc) (At the end of sixth year)		2000	8000		100000
Micro irrigation with stored water or bore well -1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Construction of cowshed		43000	43000		
Livestock/ animal component					
Buffaloe – 1 (new)		30000	30000	15000	35000
Buffaloe -1 (existing)				15000	35000
Backyard poultry 10+10-Giriraja		800	1600	1600	6000
Total			**195100**	**297600**	**676000**

20. Name of the farmer M.S.Alur (2.0 ac./1.0 irrigated + 2.0 ac. Lease land)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	1.00	40	2200	88000	30000	58000
Cotton	0.5	5	4000	20000	8000	12000
Sorghum	0.25	3	1400	4200	2000	2200
Napier grass						
Buffaloe	1	500	30	15000	6000	9000
Total				**127200**	**46000**	**81200**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane (I)	1.0	70000		70000	120000
Cotton (D)	4.0	30000		120000	200000
Maize (I)	0.25	20000		50000	10000
Napier grass (I)	0.25	40000	10000	6000	20000
Tomato (I)	0.5	40000		20000	40000
Greenchillies(I)	1.0	40000		40000	80000
Cabbage(I)	1.0	40000		40000	80000
Vermi-compostunit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, teak, neem etc) (At the end of sixth year)		2000	4000		50000
Micro irrigation with bore well - 1Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1		30000	30000	15000	35000
Total			**204000**	**406000**	**805000**

21. Name of the farmer M.B.Bhavi (5.0 ac. Dry, as open well dried up)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.5	11	4000	44000	18000	26000
Sorghum	1.0	9	1400	12600	4000	8600
Paddy	1.0	7	1500	10500	4000	6500
Napier grass	0.5			0	0	0
Buffaloe	1	400	30	12000	6000	6000
Total				**79100**	**32000**	**47100**

Proposed Model: Area :Ac, Amount : Rs

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	1.5	30000		45000	75000
Paddy (D)	1.0	20000		20000	40000
Kharif jowar(D)	0.5	20000		10000	20000
Horse gram (D)	1.0	20000		20000	40000
Greenchillies (D)	1.0	40000		40000	80000
Farm pond 15 M X 15 M X 3 M		50500	50500		
Vermicompostunit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	10000		125000
Micro irrigation with stored water - 1Ac		30000	30000		
Construction of cow shed		43000	43000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1		30000	30000	15000	35000
Backyard poultry 10+1- Giriraja		800	800	800	3000
Total			**269300**	**195800**	**588000**

22. Name of the farmer Mrs M.S.Neginal (3 ac. dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.0	6	4000	24000	6000	18000
Sorghum	1.0	8	1200	9600	3000	6600
Maize	1.0	13	1400	18200	5000	13200
Buffaloe	1	480	30	14400	10000	4400
Total				**66200**	**24000**	**42200**

Proposed Model: Area :Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton	2.0	60000		60000	100000
Maize (D)	1.0	20000		20000	40000
Jowar (D)- kharif	1.0	20000		20000	40000
Cluster beans (I)	1.0	40000		40000	80000
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teaketc) (At the end of sixth year)		2000	6000		75000
Micro irrigation using stored water – 1Ac		30000	30000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -2 (existing)				30000	70000
Sheep (10+1)		30000	30000	25000	75000
Backyard poultry 10+1- Giriraja		800	800	800	3000
Total			**194300**	**240800**	**653000**

23. Name of the farmer A.M. Neginal(8.0 ac./ 6 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area (ac)	Production	Rate	Gross Income	Cost of production	Net Income
Sugarcane	2.0	100	2200	220000	70000	150000
Cotton	2.0	12	4000	48000	20000	28000
Sorghum	1.0	9	1400	12600	6000	6600
Maize	2.0	20	1400	28000	10000	18000
Groundnut	0.5	1	4000	4000	2000	2000
Napier grass	0.5			0	0	0
Buffaloe	3	700	30	21000	10000	11000
Total				**333600**	**118000**	**215600**

Proposed Model:

Area :Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Sugarcane(I)	5.0	70000		350000	600000
Cotton (D)	1.0	30000		30000	50000
Maize (I)	1.0	20000		20000	40000
Napier grass (I)	0.5	40000	20000	12500	40000
French Beans (I)	0.5	40000		20000	40000
Baby Corn (I)	2.0	20000		40000	80000
Cabbage (I)	1.0	40000		40000	80000
Farm pond 15 M X 15 M X 3 M		50500	50500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teak etc) (At the end of sixth year)		2000	16000		200000
Micro irrigation with stored water or bore well – 1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -3(existing)				45000	105000
Buffaloe -1 (new)		30000	30000	15000	35000
Backyard poultry 10+1- Giriraja		800	800	800	3000
Total			**277300**	**618300**	**1443000**

24. Name of the farmer B.M. Shigganvi (5.5 ac./ 3.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.0	8	4000	32000	15000	17000
Sorghum	1.0	6	1400	8400	3000	5400
Sugarcane	2.0	30	2200	66000	20000	46000
Bhendi	0.5	10	1000	10000	4000	6000
Tomato	0.5	20	500	10000	5000	5000
Buffaloe	2	700	30	21000	9850	11150
Total				**147400**	**56850**	**90550**

Proposed Model: Area :Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	2.0	30000		60000	100000
Sugarcane (I)	1.0	70000		70000	120000
Tomato(I	1.0	40000		40000	80000
Bhendi (I)	1.5	40000		60000	120000
Cluster Beans (I)	1.5	40000		60000	120000
French Beans (I)	1.5	40000		60000	120000
Green Chillies (I)	0.5	40000		20000	40000
Groundnut (I)	1.0	20000		20000	40000
Farm pond 15 M X 15 M X 3 M		50500	50500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, neem, teaketc) (At the end of sixth year)		2000	10000		125000
Micro irrigation with stored water or bore well -1 Ac		30000	30000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1		45000	90000	40000	150000
Buffaloe -1		30000	30000	15000	35000
Sheep 20+2		30000	60000	50000	150000
Back yard poultry 20+2 – Giriraja		800	1600	1600	6000
Total			**312100**	**501600**	**1226000**

25.Name of the farmer C.S.Talwar (2.0 ac. dry)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.0	4	4000	16000	5000	11000
Sorghum	1.0	15	1400	21000	7000	14000
Goat	2	60	400	24000	4000	20000
Total				**61000**	**16000**	**45000**

Proposed Model: Area :Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	1.0	30000		30000	50000
Jowar (D)	1.0	20000		20000	40000
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, teak, neemetc) (At the end of sixth year)		2000	4000		50000
Livestock/ animal component					
Goat-2 (existing)				5000	15000
Goats 20+2		30000	60000	50000	150000
Back yard poultry 10+1 - Giriraja		800	800	800	3000
Total			**79800**	**110800**	**328000**

District wise Summary of IFS models of Madhuwal Village, Gokak taluk, Belagavi District

In Rupees

Sl. No.	Name of the farmer	Total Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	T.S.Patil	336300	410800	126400	898000
2	S Y Muddar	199300	280800	150500	698000
3	M MTalwar	222300	235800	147200	663000
4	S M Hulkund	296300	392300	206000	888000
5	B N Dawalatti	340500	747500	298000	1795000
6	R M Hadimani	221300	255800	238500	858000
7	M T Muddar	214800	188300	103500	543000
8	B S Hadimani	390800	107300	32000	323000
9	J H Harijan	379800	85800	43600	285500
10	S N Uddanayak	382500	550000	221000	1410000
11	M B Patil	505800	401800	331000	918000
12	Kasturi Udanaik	150000	80000	32400	270000
13	K A Ghivani	213300	383300	154100	948000
14	YK Badigawad	303300	423300	132400	1068000
15	D C Holi	274600	39100	42500	121000
16	A N Alur	303800	320800	97500	838000
17	B P Patil	312300	283300	113600	927000
18	S S.Bhavi	168300	254300	112000	587500
19	S A Karaguppi	195100	297600	138000	676000
20	M S Alur	204000	406000	127200	805000
21	M B Bhavi	269300	195800	79100	588000
22	M S Neginal	194300	240800	66200	653000
23	A M Neginal	277300	618300	333600	1443000
24	B M Shiggavi	312100	501600	147400	1226000
25	C S Talawar	79800	110800	61000	328000
	Total	**6747200**	**7811200**	**3534700**	**19758000**

Potentials of improvement in Integrated Farming Systems of Madhuwal Village, Gokak taluk, Belagavi District

The expert team of PLUS Trust visited Madhuwal Village, Gokak taluk, Belagavi District, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing network. Based on these parameters and the opinion of the farmers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pumpset, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

The major crops grown in this village are jowar, maize bengalgram, cotton, sugarcane and vegetables. The average land holdings sixe is 3.75 acres, ranges from 0.5 acre to 8.00 acres. Most of the farmers have irrigation facility. The soil type is medium black soils, respond well to irrigation and high input agriculture.

Among 25 farmer, the existing level of annual gross income ranges from Rs.32,000.00 to 3,33,600.00 per annum. It is to be noted that 8 farmers are having income less than Rs.1.00 lakh and 11 farmers income between Rs.1.00 to Rs.2.00 lakhs, 4 farmers income is between Rs.2.00 and Rs.3.0 lakhs and finally, only two farmers have income above Rs.3.0 lakhs. Considering the availability of irrigation and nearness to market, there is a need to adopt Integrated Farming System Model in all the farmers' fields. Specific IFS model has been proposed to each farmer. It was also suggested to approach the concerned Departments with necessary documents for seeking the subsidy component. In the meeting held with district Joint Director of Agriculture and Officers of all the development departments, lead bank manager and the farmers, it was agreed to process all applications of these 25 farme3rs on priority for providing subsidy component. The Principal Scientist of KVK was requested to co-ordinate and facilitate the farmers in implementing the new IFS model recommended to each farmer.

The new IFS model was developed to each farmer considering the extent of land, irrigation facility, soil type, number of family members, education status, market facilities and financial capability of the farmer. The new model envisaged takes care of soil health, protecting the boundary with perennial forestry species which reduces wind speed and thereby surface evaporation of soil moisture. Besides, planting of border trees such as *Melia dub,* silver oak, will enable the farmers to get additional income after six to seven years and also improves micro climate resulting in better crop yields.

Livestock component has been invariably selected for periodical income and obtaining organic manure through vermin composting. Sheep, back yard poultry, farm ponds are proposed based on the farmers need. In some cases, farmers are enthusiastic and resourceful, polyhopuse cultivation of vegetables and flowers are recommended. Every farmer is expected to harvest rainwater through farm ponds and re-use for crop production. The facility given under Krishi Bhagya scheme to be utilized by all farmers.

The new model envisages the income level ranging from Rs.1,21,000.00 to Rs.17,95,000.00. This only indicates the potential the farmers can achieve with available resources. At the same time, in order to achieve this level of income, there is an investment both initial and annual which should be arranged partly through subsidy and partly through bank loans.

In the ultimate analysis, we have suggested end to end solution to each farmer and these recommendations will have to be followed up by the concerned KVK to achieve target.

6. Farmer wise IFS models of Shidlaiahnakote, Hiriyur Tq. Chitradurga district

1. Name of the Farmer: Mallikarjuna.V. (11.0 Acres)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Onion	2.0	140	900	126000	80000	46000
Groundnut	6.0	20	3300	66000	50000	16000
Redgram	2.0	5	4000	20000	8000	12000
Total				**212000**	**138000**	**74000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+Redgram+Cowpea	2.5	20000		50000	100000
Onion	1.0	40000		40000	80000
Chilli/Bhendi/Cabbage	2.5	40000		100000	200000
Dry land Horti-Mango/Guava/Amla/Jamoon/Guava/Jack	5.0	40000	200000	200000	400000
Coconut/Sapota	3.0	40000	120000	120000	240000
Livestock					
Crossbred Cows-2		45000		90000	150000
Sheep- 10+ 1		30000	30000	250000	75000
Backyard Poultry - 10 + 1		800	800		3000
Drip Irrigation		30000	30000		
Planting of border trees-Hebbevu, Silver Oak,/Teak/Sandal (At the end of sixth year)	8.0	2000	16000		200000
Farm Pond-21 X 21 X 3 M		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Pack house		400000	400000		
Shade net 1000 sq m		710000	710000		
Cattle shed		43000	43000		
Total			**1664800**	**855000**	**1468000**

2. Name of the Farmer: S.Nagabushan (10.00 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	8.0			0	30000	-30000
Cows	2		26	56160	24000	32160
Total				**56160**	**54000**	**2160**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+Redgram	2.5	20000		50000	100000
Navane+Cowpea+Redgram	1.0	20000		20000	40000
Mango/Sapota/Amla/Jamoon or Coconut	2.5	40000	100000	100000	200000
Drumstick/Onion or Ragi or castor followed by Bengalgram	2.5	40000 20000		100000 20000	200000 40000
Papaya	2.5	40000		100000	200000
Fodder	0.25	40000	10000	60000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Poultry - 200 + 10		48000	48000	32000	120000
Drip Irrigation	1.0	30000	30000		
Planting of border trees- Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	8 .0	2000	16000		200000
Vermi Compost unit		15000	15000	5000	20000
Poultry shed		30000	30000		
Total			**339000**	**527000**	**1290000**

3. Name of the Farmer: Krishna Murthy (3.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	2.0	-	-	-	15000	-15000
Total				**-**	**15000**	**-15000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+ Redgram	2.0	20000		40000	80000
Onion/Tomato/ Cabbage	1.0	40000		40000	80000
Fodder	0.25	40000	10000	60000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Backyard Poultry-10+1		800	800	800	3000
Farm Pond-12'X 12 X 3 M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Sheep shed		30000	30000		
Total			**178300**	**185800**	**353000**

4. Name of the Farmer : S.Shashidhar (10.00 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	6.0	5	5000	25000	40000	-15000
Ragi	1.0	8	3000	24000	15000	9000
Total				**49000**	**55000**	**-6000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram	2.5	20000		50000	100000
Areanut + Pepper	7.5	40000	300000	300000	600000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Poultry - 10 + 1		800	800	800	3000
Sheep -50+5		30000	150000	125000	375000
Drip Irrigation-1Ac		32500	32500		
Planting of border trees-Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	8 Ac	2000	16000		200000
Vermi Compost unit		15000	15000	5000	20000
Sheep shed		30000	30000		
Total			**634300**	**520800**	**1448000**

5. Name of the Farmer : Shivamurthy (3.20 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	3.5	40	5600	224000	60000	164000
Ragi	1.00					
Cows	1		26	112320	24000	88320
Total				**336320**	**84000**	**252320**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram	2.5	20000		50000	100000
Onion Brinjal/Tomato followed by Bengalgram	1.0	40000		40000	80000
Fodder block	1.0	40000	40000	25000	80000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Sheep -100+10		30000	300000	250000	750000
Planting of border trees- Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	3.0	2000	6000		75000
Farm Pond-21 X 21 X13 M		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Sheep shed-900 Sqft		30000	30000		
Total			**581800**	**410800**	**1258000**

6. Name of the Farmer :S.N.Krishnappa (4.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	4.00	15	4500	67500	40000	27500
Total				**67500**	**4000**	**27500**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram	2.2	20000		50000	100000
Castor	1.0	20000		20000	40000
Fodder	0.25	40000	10000	6000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)		2000	8000		100000
Farm Pond-15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**204300**	**146800**	**508000**

7. Name of the Farmer : Raghavendra (5.0Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Onion	2.0	50	900	45000	30000	15000
Ragi	2.0	20	3000	60000	15000	45000
Groundnut	1.0	3	5500	16500	7000	9500
Total				**121500**	**52000**	**69500**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Onion	2.5	40000		100000	200000
Ragi + Groundnut	1.25	20000		25000	50000
Papaya/Drumstick	1.25	60000	40000	35000	100000
Border Coconut			10000	8000	50000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Farm Pond-21 X 21 X 3 M		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Onion Storage godown		30000	30000		
Total			**315800**	**238800**	**648000**

8. Name of the farmer : Krishnappa (4.75 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	4.0	15	3000	45000	30000	15000
Total				**45000**	**30000**	**15000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram Or Ragi+Cowpea+Castor+Avare	2.5	20000		50000	100000
Plantation, Jamoon/Amla/Jack/Ber	2.25	40000	100000	100000	200000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak,/Pongamia (At the end of sixth year)	4.0	2000	8000		100000
Farm Pond -15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**294300**	**220800**	**648000**

9. Name of the farmer: Parameswar (2.0 Ac + 6.0 Ac lease)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	2.0	12	4000	48000	20000	28000
Total				**48000**	**20000**	**28000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram	2.0	20000		40000	80000
Ragi + Groundnut/castor	2.0	20000		40000	80000
Guava/Jamoon/Amla/Jack/Ber	2.5	40000	100000	100000	200000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	2.0	2000	4000		50000
Farm Pond-15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**290300**	**250800**	**658000**

10. Name of the Farmer :Devaraju (3.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	2.0	6	4800	28800	15000	13800
Red gram	1.0	3	5300	15900	6000	9900
Total				**44700**	**21000**	**23700**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut + Redgram or Navane + Cowpea+Avare	1.0	20000		20000	40000
Ragi+Groundnut/Castor	1.0	20000		20000	40000
Amla/Jack/Jamoon/Ber/Drumstick	0.5	40000	20000	20000	40000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	3.00	2000	6000		75000
Farm Pond – 12 X 12 X 3M		32500	32500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**194300**	**130800**	**443000**

11. Name of the farmer :Chandrappa (4.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1.5	12	3000	36000	20000	16000
Total				**36000**	**20000**	**16000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi + Groundnut	1.5	20000		30000	60000
Redgram+FodderJowar/Maize or Castor	1.0	20000		20000	40000
Onion	2.0	40000		80000	160000
Amla/Jack/Ber/jamoon	1.5	40000	60000	30000	100000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak, (At the end of sixth year)	3.0	2000	6000		75000
Farm Pond-15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Cattle shed		43000	43000		
Total			**295300**	**230800**	**683000**

12. Name of the farmer : Nagaraj (4.0)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2.0	12	2300	27600	18000	9600
Total				**27600**	**18000**	**9600**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+Redgram	2.0	20000		40000	80000
Mango/Sapota/Gauva/Amla/Jamoon	2.0	40000	80000	60000	160000
Seed production of Ragi/Groundnut/Redgram	2.5	30000		75000	125000
Livestock					
Crossbred Cows-2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	4.0	2000	8000		100000
Farm Pond-15 X 15 X 3M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**364300**	**285800**	**863000**

13. Name of the farmer :V.Krishnappa (4.70 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	4.70	15	4800	72000	38000	34000
Buffaloe	2		26	37440	19200	18240
Total				**109440**	**57200**	**52240**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram + Groundnut	2.0	20000		40000	80000
Redgram+Jowar/Maize	1.0	20000		20000	40000
Horsegram	1.0	20000		20000	30000
Fodder Jowar	1.0	20000		20000	40000
Agro forestry-Hebbevu, Silver Oak or Hort crops Amla/Jack/ Jamoon,	1.0	2000		2000	25000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	4.0	2000	8000		100000
Farm Pond- 15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Sheep shed		30000	30000		
Total			**194300**	**147800**	**488000**

14. Name of the farmer: Chidananda (3.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1.0	12	3000	36000	15000	21000
Cows	8		26	374400	96000	278400
Total				**410400**	**111000**	**299400**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Groundnut	1.0	20000		20000	40000
Redgram +Fodder jowar/ Maize	1.0	20000		20000	40000
Papaya+Drumstick/Onion	1.0	40000		40000	80000
Livestock					
Sheep- 10+ 1		30000	30000	25000	75000
Cows-8+4		45000	540000	240000	900000
Poultry-10+1		800	800	8000	3000
Five tine plough		35000	35000		
Seed cum fertilizer drill		15000	15000		
Rotavator		40000	40000		
Drip irrigation		30000	30000		
Planting of border trees- Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	3.0	2000	6000		75000
Farm Pond 15 X 15 X 3M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Bio digester & Bio gas unit		25000	25000		
Animal shed		43000	43000		
Total			**830300**	**358000**	**1233000**

15. Name of the farmer : Govindaraj (24.5 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Onion	5.0	450	1500	675000	200000	475000
Bengalgram	2.0	35	5000	175000	40000	135000
Total				**850000**	**240000**	**610000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Onion	2.0	40000		80000	160000
Groundnut+Redgram	15.0	20000		300000	600000
Navane+Cowpea+Avare	1.0	20000		20000	30000
Tomato/Radish/Beans	2.5	40000		100000	200000
Mango/Sapota/Pomegranate	2.5	40000	100000	75000	200000
Maize followed by bengalgram or Hy.Cotton	2.0	40000		80000	120000
Papaya with drip	3.0	40000	120000	90000	240000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Seed cum fert. Drill		15000	15000		
Trailor, Five tine plough, Rotovator		150000	150000		
Drip irrigation -1 Ac		30000	30000		
Planting of border trees- Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	20 Ac	2000	40000		500000
Farm Pond 21 X 21 X 3 M		100000	100000		
Vermi Compost Unit		15000	15000	5000	20000
Onion storage structure		30000	30000		
Total			**720800**	**815800**	**2298000**

16. Name of the farmer: Veeresh (3.75 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.25	30	6000	180000	40000	140000
Total				**180000**	**40000**	**140000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	2.5	20000		50000	100000
Chilli/Tomato/Brinjal/Leafy vegetables	1.25	40000		50000	100000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Multicrop thresher		60000	60000		
Planting of border trees- Hebbevu, Silver Oak, (At the end of sixth year)	3.00	2000	6000		75000
Farm Pond -15 X 15 X 3 M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Pack house		400000	400000		
Shade net-1000 M^2		710000	710000		
Total			**1362300**	**170800**	**523000**

17. Name of the farmer: S.B.Kantharaju (4.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2.0	15	Domestic use		40000	
Paddy	2.0	25	Domestic use		40000	
Cows	3		26	140400	72000	68400
Total				**140400**	**72000**	**68400**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Groundnut	2.0	20000		40000	80000
Paddy/Onion/Chilies/Tomato	1.5	40000		60000	120000
Livestock					
Crossbred Cows-3+3		45000	270000	120000	450000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak,/Teak/Sandal (At the end of sixth year)	3.0	2000	6000		75000
Vermi Compost Unit		15000	15000	5000	20000
Pack house		400000	400000		
Shade net-1000 M^2		710000	710000		
Total			**1431800**	**250800**	**823000**

18. Name of the farmer: Hanumanthappa (2.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	1.0	4	4500	18000	8000	10000
Redgram	1.0	4	5600	22400	5000	17400
Total				**40400**	**13000**	**27400**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Bajra+Groundnut	1.0	20000		20000	40000
Redgram+Fodderjowar/Maize or Castor	2.0	20000		40000	80000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	2.0	2000	4000		50000
Farm Pond-12 X 12 X 3M		32500	32500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**172300**	**130800**	**418000**

19. Name of the farmer: S.V.Amruthesh (5.00 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	5	14	4000	56000	30000	26000
Total				**56000**	**30000**	**26000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut +Redgram	2.5	20000		50000	100000
Navane+Cowpea+Avare	1.0	20000		20000	30000
Amla/Jamoon/Jack/Ber	1.5	40000	60000	30000	120000
Livestock					
Crossbred Cows-1+2		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak, (At the end of sixth year)	4.0	2000	8000		100000
Farm Pond -15 X 15 X 3M		50500	50500		
Vermi Compost Unit		15000	15000	5000	20000
Total			**299300**	**190800**	**673000**

20. Name of the farmer :Vijaya Kumar (7.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	7.0	20	4000	80000	42000	38000
Total				**80000**	**42000**	**38000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+Ragi	2.5	20000		50000	100000
Redgram+Groundnut/Fodder Maize/Jowar	1.0	20000		20000	40000
Amla/Ber/Jamoon/Jack	3.5	40000	140000	70000	280000
Livestock					
Crossbred Cows-2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	7.0	2000	14000		175000
Farm Pond-21 X 21 X 3M		100000	100000		
Vermi Compost Unit		15000	15000	5000	20000
Total			**479800**	**250800**	**993000**

21. Name of the farmer: S.N.Nagaraj (8.00 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	2.0	10	5400	54000	15000	39000
Onion	1.0	90	3000	27000	20000	7000
Ragi	1.0	8	3000	24000	10000	14000
Cows	2		26	56160	24000	32160
Total				**161160**	**69000**	**92160**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Groundnut	2.5	20000		50000	100000
Redgram+Fodderjowar/Maize	1.0	20000		20000	40000
Onion	2.0	40000		80000	160000
Chillies/Cabbbage/Drumstick/Tomato	1.0	40000		40000	80000
Coconut	1.5	40000	60000	30000	120000
Livestock					
Crossbred Cows-2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Fish rearing		6000	6000	4000	25000
Drip Irrigation	1.0	30000	30000		
Planting of border trees-Hebbevu, Silver Oak,/Teak/Sandal (At the end of sixth year)	6.0	2000	12000		150000
Farm Pond-21 X 21 X 3M		100000	100000		
Vermi Compost Unit		15000	15000	5000	20000
Onion storage structure		30000	30000		
Total			**463800**	**334800**	**1073000**

22. Name of the farmer :Mallikarjun.S.G.(12.0 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	2.0	6	5000	30000	15000	15000
Millets	1.0	3	2000	6000	2000	4000
Ragi	1.0	8		0	-	Domestic use
Total				**36000**	**17000**	**19000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Groundnut+Redgram+Cowpea+ Avare	6.25	20000		130000	240000
Sunflower	2.0	20000		40000	80000
Mango/Sapota/Guava	2.5	40000	100000	50000	200000
Papaya	2.5	40000	100000	50000	200000
Fodder block	2.0	40000	80000	50000	160000
Onion/Tomato/Groundnut	7.5	40000		300000	450000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Poultry-10+1		800	800	800	3000
Sheep- 10+ 1		30000	30000	25000	75000
Drip Irrigation	1.0	30000	30000		
Planting of border trees-Hebbevu, Silver Oak,/Teak/ Sandal (At the end of sixth year)	10 Ac	2000	20000		250000
Farm Pond-21 X 21 X 3M		100000	100000		
Vermi Compost Unit		15000	15000	500	20000
Onion storage godown		30000	30000		
Polyhouse-2000 M^2		1680000	1680000		
Mini tractor, Ploughs, Trailer, Seed cum Fertiliser drill, Rotavator		480000	480000		
Total			**275800**	**686300**	**1828000**

23. Name of the farmer: Satish (8.00 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	2.5	4	4000	16000	10000	6000
Total				**16000**	**10000**	**6000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi/Redgram+Groundnut	2.5	20000		50000	100000
Onion/Green Chillies/ Cabbage	2.5	40000		100000	200000
Drip irrigation for Arecanut & Coconut	3.0	90000	90000		
Arecanut		40000	40000	20000	80000
Coconut		40000	80000	40000	160000
Livestock					
Crossbred Cows-2+2		45000		180000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	6.00	2000	12000		150000
Farm Pond-21 X 21 X 3M		100000	100000		
Vermi Compost Unit		15000	15000	5000	20000
Pack house		400000	400000		
Boom sprayer		10000	10000		
Tree climber		5000	5000		
Total			**631800**	**420800**	**1088000**

24. Name of the farmer: Thippeswamy.R.A. (8.00 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2.0	20	3000	60000	15000	45000
Maize	1.0	20	1600	32000	15000	17000
Groundnut	3.0	12	4000	48000	20000	28000
Redgram	1.0	0	-	0	8000	-8000
Cows	10		24	432000	120000	312000
Total				**572000**	**178000**	**394000**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Groundnut	2.5	20000		50000	100000
Redgram+Maize/FodderJowar	2.5	20000		50000	100000
Green Chillies/Cabbage	2.5	40000		100000	200000
Livestock					
Sheep- 20+ 2		30000	60000	50000	150000
Cows -10+3		45000	585000	260000	975000
Poultry Unit - 200 + 10		24000	48000	32000	120000
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	6.0	2000	12000		150000
Vermi Compost Unit-2		15000	30000	10000	40000
Farm Pond-21 X 21 X 3 M		100000	100000		
Onion storage structure		30000	30000		
Total			**865000**	**552000**	**1835000**

25.Name of the farmer: Madhu (4.00 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Groundnut	1.5	6	4200	25200	12000	13200
Total				**25200**	**12000**	**13200**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Groundnut	2.5	20000		50000	100000
Onion	2.5	40000		100000	200000
Dry land Horti-Amla/ Jamoon/ Jack/Ber	1.25	40000	50000	30000	100000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Sprinkler Irrigation	1.0	30000	30000		
Planting of border trees-Hebbevu, Silver Oak (At the end of sixth year)	3.0	2000	6000		75000
Farm Pond -15 X 15 X 3M		50500	50500		
Vermi Compost unit		15000	15000	5000	20000
Total			**272300**	**250800**	**723000**

Abstract of IFS models of Shidlaiahnakote, Hiriyur Taluk, Chitradurga district

In Rupees

Sl. No.	Name	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1.	Mallikarjuna.V.	1664800	855000	212000	1468000
2.	S.Nagabushan	339000	527000	56160	1290000
3.	Krishna Murthy	178300	185800	0	353000
4.	S.Sashidhar	634300	520800	49000	1448000
5.	Shivamurthy	581800	410800	336320	1258000
6.	S.N.Krishnappa	204300	146800	67500	508000
7.	Raghavendra	315800	238800	121500	648000
8.	Krishnappa	294300	220800	45000	648000
9.	Parameswara	290300	250800	48000	658000
10.	Devaraju	194300	130800	44700	443000
11.	Chandrappa	295300	230800	36000	683000
12.	Nagaraj	364300	285800	27600	863000
13.	V.Krishnappa	194300	147800	109440	488000
14.	Chidananda	830300	358000	410400	1233000
15.	Govindaraj	720800	815800	850000	2298000
16.	Veeresh	1362300	170800	180000	523000
17.	S.B.Kantharaju	1431800	250800	140400	823000
18.	Hanumanthappa	172300	130800	40400	418000
19.	S.V.Amrutheesh	299300	190800	56000	673000
20.	Vijayakumar	479800	250800	80000	993000
21.	S.N.Nagaraj	463800	334800	161160	1073000
22.	Mallikarjun.S.G.	275800	686300	36000	1828000
23.	Satish	631800	420800	16000	1088000
24.	Thippeswamy.R.A.	865000	552000	572000	1835000
25.	Madhu	272300	250800	25200	723000
	TOTAL	**13356400**	**8564300**	**3720780**	**24264000**

Potentials of improvement in Integrated Farming Systems of Shidlaiahnakote, Hiriyur Taluk, Chitradurga district

The expert team of PLUS Trust visited Shidlaiahnakote, Hiriyur Taluk, Chitradurga district, held detailed interactions with all the selected 25 farmers egarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-econoimic status of the farmer and marketing net work. Based on these parameters and the opinion of the farmes and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applicatioins on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pumpset, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facililtate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Chitraduga is considered to be the most dry district in the state with very low rainfall of <500 mm, particularly in Challakere and Molakalmuru taluks. Although, Vani Vilas sagar and Gayatri reservoirs ae constructed in Hiriyur taluk almost 115 years back, the scope of irrigation is not there since many watershed works of insitu moisture conservation have reduced the river water flow into reservoirs. The water stored in these reservoirs are used only for drinking purpose. The advent of Upper Bhadra Project may help the district for filling up of hundreds of tanks and thereby recharge wells and bore wells which can be used for irrigation purpose.

The expert team of PLUS Trust visited Shidlaiahnakote in Hiriyur Taluk, Chitradurgadistrict and held detailed discussions with selected 25 farmers of the village. The mean rainfall around 55 mm and the soils are red sandy loams and ae very low in soil fertility. The soil organic carbon status is <0.5%. The concerned farmers were invited individually for discussions to develop IFS models in their lands. Scientists of KVK, offices from line departments, lead bank Manager was also present. The average land holding size ranges from 2.0 acres to 24.2 acres, mostly rainfed and monocropping of groundnut or redgram/pulses. The farmers were educated regarding advantages of Integrated Farming Systems approach. Presently, the annual income of farmers ranges from Rs.16,000.00 to Rs.,50,000.00. There is so much variation and also challenges to achieve higher income.

Considering the soil type, holding size, socio-economic status of the farmers, we have suggested an IFS Model to each farmer. The suggestions of KVK scientists, officers of line departments and also opinion of the farmer himself was taken before finalizing the model. The KVK scientists were requested to follow up with concerned departments, who have agreed to consider the applications of these farmers on priority for subsidy/incentive/loan for submitting necessary applications along with proper documents for availing the required benefits. Based on the new model, the annual income would range from Rs.3,53,00.00 to Rs.22,98,000.00 which could be achieved by implementing the suggested model.

In the ultimate analysis, we have suggested end to end solutions to each farmer and these recommendations are being followed up by the concerned KVK to achieve the envisaged target.

7. Farmer wise IFS models of of Dharegudda Village , Mangalore taluk, Dakshina Kannada District

1. Name of the farmer Appu Madival (3.0 ac) -irrigated

Existing Model:

Area :Ha, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	3	30	20000	600000	300000	300000
Cow local	4	40	30	1200	800	400
Total				**601200**	**300800**	**300400**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut , Pepper (1600)- On existing areca plantation	3.0	40000		120000	600000
Cocoa (780)- Intercrop	-			30000	60000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, silver oak,raktachandan, teak etc) (At the end of sixth year)	3.0	2000	6000		75000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well under MGNREGA		25000	25000		
Cowshed under MGNREGA		43000	43000		
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows-7 (existing)				70000	210000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**244100**	**270600**	**1171000**

2. Name of the Farmer: Ashok Poojary (2 ac.)- irrigated

Existing Model:

Area : Ac, Production :qtlsAmount : Rs

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2	20	20000	400000	200000	200000
Total				**400000**	**200000**	**200000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	2.0	40000		80000	400000
Pepper (1200)- On existing areca plants	-			20000	40000
Cocoa (550) - Intercrop	-			20000	40000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well under KBY or NHM	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows-2 (existing)				20000	60000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	3000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**242100**	**190600**	**813000**

3. Name of the Farmer : Bhaskar Rao (2 ac.)- irrigated

Existing Model:

Area : Ac, Milk :Lts/yr, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	4	25000	100000	25000	75000
Coconut	0.5	750 nuts	20/nut	15000	5000	10000
Vegetables	0.5			50000	20000	30000
Paddy	0.5	7	1500	10500	4000	6500
Cows local	1	750	27	20250	8000	12250
Total				**195750**	**62000**	**133750**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut- Old plantation	0.5			20000	50000
Pepper(540) -On existing areca & coconut plants	-			5000	10000
Arecanut -New plantation	0.5	40000	20000	20000	50000
Cocoa (130)- Intercrop in new areca plantation	-			5000	10000
Coconut -Old plantation	0.5			15000	40000
Paddy- vegetables	0.5	20000		20000	40000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -4 (existing)				10000	30000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**262100**	**145600**	**506000**

4. Name of the Farmer Charmin Lobo (2 ac.)-irrigated

Existing Model:

[Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.]

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2	20	30000	600000	100000	500000
Cows (local)	1	750	27	20250	8000	12250
Total				**620250**	**108000**	**512250**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - Existing	2.0	40000		80000	600000
Cocoa (540) -Intercrop with areca				20000	40000
Pepper (1200)- On existing areca plants				20000	40000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -5 (existing)				50000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**199100**	**260600**	**1106000**

5. Name of the Farmer Harish Shetty (2.75 ac.)-irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtlsAmount : Rs

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Paddy	2.75	45	1674	75330	57500	17830
Cows (local)	4	750	27	20250	34000	47000
Total				**95580**	**91500**	**64830**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut- New	2.0	40000	80000	40000	200000
Cocoa(540) -Intercrop	-			20000	40000
Coconut (150) - On border	-			5000	10000
Paddy -vegetables	0.75	20000		15000	30000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows-4 (existing)				40000	120000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**279100**	**170600**	**676000**

6. Name of the Farmer Jayakumar Shetty (2.0 ac)

Existing Model: Bore well irrigation

Area : Ac, Milk :Lts, Production :qtls, , Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	1.75	11	20196	222156	125000	97156
Vegetables	0.5	Own use				
Total				**222156**	**125000**	**97156**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	1.75	40000		45000	250000
Cocoa(500) - Between areca plants				15000	30000
Cowpea	0.25	20000		5000	10000
Brinjal	0.25	40000		10000	20000
Coconut (border)- 40 plants			5000	4000	10000
Pepper (600) - On all existing areca and coconut plants			5000	15000	30000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, silver oak, Ratkachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**242100**	**144600**	**626000**

7. Name of the Farmer JecintaMelwin (2 ac.)-rainfed

Existing Model:

Area : Ac, Milk :Lts, Production :qtlsAmount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2	20	20000	400000	200000	200000
Total				**400000**	**200000**	**200000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut -Existing	2.0			120000	400000
Cocoa(540) - Intercrop				20000	40000
Pepper(1100) - On existing areca plants				20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**207100**	**210600**	**754000**

8. Name of the Farmer Rajaram Bhat (2 ac.)-irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2	20	25000	500000	100000	400000
Cows local	1	650	27	17550	5000	17050
Total				**517550**	**105000**	**417050**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut- Existing	2.0	40000		80000	500000
Cocoa(540)- Intercrop	-			20000	40000
Pepper(1100) - On existing areca plants	-			20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -2 (existing)				20000	60000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**232100**	**190600**	**916000**

9.Name of the farmer RajavermaBailangdy (2.75 ac)- 2 ac.irrigated

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Paddy	1	10	2000	40000	20000	20000
Arecanut	1.75	10	30000	300000	50000	250000
Pepper		2	61600	123200	50000	73200
Coconut		2000 nuts	10/nut	20000	8000	12000
Banana		4	1953	7812	3200	4612
Cows local	15	600	27	243000	40000	203000
Total				**734012**	**171200**	**562812**

Proposed Model: Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut- Existing	1.75	40000		60000	330000
Pepper -Existing	-			50000	130000
Cocoa(300) -Intercrop suggested	-			15000	30000
Coconut -Existing	-			10000	20000
Paddy-blackgram	0.5	20000		10000	20000
Arecanut -Fresh plantation	0.5	60000	30000	25000	80000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	2.5	2000	6000		60000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -15 (existing)				15000	450000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**230100**	**235600**	**1346000**

10. Name of the farmer Krishnappa (2.0 ac)

Existing Model: Open well irrigation

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2	20	20000	400000	200000	200000
Total				**400000**	**200000**	**200000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	2.0	60000		120000	450000
Pepper (intercrop)(800) -On all existing areca plants				20000	40000
Cocoa (540)- In between existing areca plants				20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, teak, Raktachandana, silver oak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cow-1 (existing)				10000	30000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Bee keeping units (10 boxes)		10000	10000		25000
Fishery unit		6000	6000	4000	25000
Total			**232100**	**220600**	**836000**

11. Name of the farmer Pravin Chandra (1.0 ac)- irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	5	30000	150000	25000	125000
Banana	0.25	10	1000	10000	3000	7000
Coconut	0.25	320 nuts	15/nut	4800	2000	2800
Total				**164800**	**30000**	**134800**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - Existing	0.5	40000		20000	150000
Arecanut - Fresh proposed	0.25	40000	15000	15000	60000
Coconut - Existing	0.25	40000		15000	30000
Cocoa(270) - Intercrop proposed				10000	20000
Pepper (150) -On existing areca & coconut plants				5000	10000
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	1.0	2000	2000		25000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**222600**	**115600**	**521000**

12. Name of the farmer Raju Poojary (2 ac)

Existing Model: Bore well irrigation

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	1	10	30000	300000	50000	250000
Paddy	1	20	1800	36000	20000	16000
Total				**336000**	**70000**	**266000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Areca nut	1.0	40000		40000	300000
Pepper (550- creeping)- On all existing areca plants				10000	20000
Coconut (50)- on border				15000	30000
Paddy - vegetables	1.0	20000		20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Glyricidia, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro irrigation - sprinklerirrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows-7 (existing)				70000	210000
Back yard poultry 20+2 (Swarndhara)		800	1600	1600	6000
Fisheries component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**209600**	**205600**	**876000**

13. Name of the farmer Ramayya (2.0 ac)

Existing Model: Open well

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	2.00	20	20000	400000	150000	250000
Total				**400000**	**150000**	**250000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	2.0	40000		80000	400000
Banana - (inter crop)				15000	25000
Coconut (50) -Border				15000	30000
Cocoa (400) - Intercrop				20000	40000
Pepper (600) - On existing areca plants				20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Glyricidia, teak silver oak/ rakta chandanetc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -2 (existing)				20000	60000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fisheries component		6000	6000	4000	2500
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**207100**	**220600**	**848500**

14. Name of the farmer Ravindra Acharya (1.5 ac)

Existing Model: open well irrigated

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Paddy	1.0	20	2000	40000	20000	20000
Arecanut	0.5	10	30000	300000	25000	275000
Cows local	2	680	27	36720	8000	20720
Total				**376720**	**53000**	**315720**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	0.2	40000		30000	150000
Arecanut - Fresh plantation	1.0	40000	30000	40000	160000
Cocoa(270) -As intercrop in fresh plantation	-			10000	20000
Pepper ((300) - On existing areca plants	-			5000	15000
Coconut (50) - Border	-			10000	20000
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, silver oak, glyricidia, raktachandanteak etc), (At the end of sixth year)	1.5	2000	3000		35000
Micro sprinkler sprinkler irrigation with stored water under KBY	1.0	15000	15000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -2 (existing)				20000	60000
Back yard poultry 20+2 (Swarandhara)		800	1600	1600	6000
Fisheries component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**236100**	**165600**	**686000**

15. Name of the Farmer Smt. Lalithamma (2 ac.)- irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Paddy	1	20	2000	40000	20000	20000
Total				**40000**	**20000**	**20000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Paddy- blackgram	0.25	20000		5000	10000
Arecanut - Fresh proposed	1.75	40000	50000	35000	175000
Cocoa(500) - Intercrop	-			15000	30000
Coconut (60) - Border	-			20000	40000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,rakta chandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**307100**	**125600**	**531000**

16. Name of the farmer : Prabhakar (3 ac)

Existing Model: bore well irrigated

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Areca nut	2	20	20000	400000	200000	200000
Paddy	1	20	2000	40000	20,000	20,000
Piggery	6					
Total				**440000**	**220000**	**220000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut (1000)	2.0	40000		80000	400000
Pepper (800) - On existing areca nut plants				15000	30000
Cocoa (540) - As intercrop				15000	30000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, silver oak, raktachandan teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Local cows -2 (existing)				20000	60000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Additional Piggery unit (10)		30000	30000	25000	75000
Broiler poultry unit (200) - deep litter		24000	48000	32000	120000
Fisheries component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Poly drier		100000	100000		
Total			**377100**	**237600**	**991000**

17.Name of the farmer Santosh Devadiga (2.0 ac) -irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Paddy	1	26	1600	41600	32000	9600
Arecanut	1	10	21000	210000	100000	110000
Cows local	3	300	30	9000	6000	3000
Total				**260600**	**138000**	**122600**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - Existing	1.0			40000	210000
Arecanut - Proposed plantation	0.75	40000	30000	30000	175000
Cocoa (450) - Intercrop in existing & proposed plantation				15000	30000
Pepper(500) - On existing areca plants				12000	25000
Paddy- blackgram	0.25	20000		5000	10000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	2000
Border plants (drum stick, Silver oak,rakt achandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**272100**	**152600**	**708000**

18. Name of the Farmer Shekar Poojary (3 ac.)- irrigated

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	1.5	15	20196	302940	90000	212940
Coconut	1.5	2000 nuts	12	24000	5000	19000
Total				**326940**	**95000**	**231940**

Proposed Model: Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - existing	1.5			60000	350000
Coconut - existing	1.5			30000	50000
Cocoa(770+400) - Intercrop in coconut and areca plants				30000	60000
Pepper (1200) - On all existing areca/ coconut plants				25000	50000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**243300**	**194800**	**808000**

19. Name of the Farmer :Shivanand (1.5 ac.)- irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	5	30000	150000	25000	125000
Coconut	15 plants	1	10000	10000	3000	7000
Paddy	1.0	20	2000	40000	10000	30000
Total				**200000**	**38000**	**162000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - Existing	0.2			30000	150000
Arecanut - Proposed	0.3	40000	30000	30000	175000
Coconut - Existing				15000	30000
Cocoa(400) - Intercrop in existing & fresh areca plants				15000	30000
Paddy-blackgram	0.1	20000		5000	10000
Pepper(130) - On existing areca plants				5000	10000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	1.0	2000	2000		25000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**260100**	**150600**	**656000**

20. Name of the Farmer Shubhakar (1.5 ac.)- rainfed

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	1	6	20192	121152	111098	10054
Coconut	50 plants	130 nuts	8/ nut	10400	13000	-2600
Total				**131552**	**124098**	**7454**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - Existing	1.0			50000	150000
Arecanut- Proposed	0.5	40000	20000	20000	75000
Pepper(550) - On existing areca plants				10000	20000
Cocoa (400) - Intercrop in existing & proposed areca plants				10000	20000
Coconut(50) - Existing				10000	25000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,raktachandana, teak etc), (At the end of sixth year)	1.0	2000	2000		25000
Micro sprinkler irrigation with stored water under KBY	1.0	15000	15000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	800	800	3000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**224300**	**149800**	**538000**

21. Name of the Farmer Dogy Poojari (1.25 ac.)

Existing Model: Bore well irrigated

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	4	20196	80784	55549	25235
Paddy	0.5	10	1674	16740	16084	656
Coconut	30 plants	1800 nuts	8/ nut	14400	17243	-2843
Cows local	4	800	27	21600	7500	56400
Total				**133524**	**96376**	**79448**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut	0.5			30000	90000
Paddy	0.5	20000		10000	20000
Coconut (40) - Border	-			15000	30000
Pepper (300) - On existing areca plants	-			8000	20000
Fresh areca plantation	0.5	40000	25000	25000	120000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, silver oak, rakta chandanteak etc), (At the end of sixth year)	1.0	2000	2000		25000
Micro sprinkler irrigation with stored water or bore well under KBY or NHM	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
Local cows -2 (existing)				20000	60000
CB cows - 2 proposed		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	800	800	3000
Fisheries component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**211300**	**157800**	**588000**

22. Name of the Farmer Subash Chandra Chouter (2 ac.)- 0.5 ac.irrigated

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	5	20196	100980	55549	45431
Paddy	0.5	15	1674	25110	16084	9026
Coconut	50 plants	2500 nuts	8/ nut	20000	5514	14486
Cow local	3	3600	27	97200	30000	67200
Cows -CB	5	4000	27	108000	40000	68000
Total				**351290**	**147147**	**204143**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - existing	0.5			30000	120000
Coconut (50) - existing				15000	30000
Paddy- blackgram	0.5	20000		10000	20000
Cocoa(180) - Intercrop in areca/coconut plants				8000	20000
Pepper (600) - On areca/coconut plants				15000	30000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,rakta chandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well	1.0	15000	15000		
Recharging of bore well		25000	25000		
Livestock/ animal component					
CB cows – 5(existing)				100000	225000
CB cows – proposed:1+1(HF)		45000	90000	40000	150000
Local cows -3 (existing)				30000	90000
Back yard poultry 20+2 (Swarnadhara)		800	800	800	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**188300**	**257800**	**811000**

23. Name of the Farmer :Vasu Poojary (1.5 ac.)- rainfed

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	0.5	6	20192	121152	80000	41132
Paddy	0.5	10	164	16740	16000	740
Coconut	15 plants	1000 nuts	8/nut	8000	6000	2000
Total				**145892**	**102000**	**43872**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - existing	0.5			40000	140000
Coconut(15) - existing				5000	10000
Arecanut -proposed	0.5	40000	25000	25000	140000
Cocoa(300) - Intercrop between all existing & proposed plantation	-			15000	30000
Pepper (250) - On existing areca/ coconut plants	-			10000	20000
Paddy-vegetables	0.25	20000		5000	10000
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak, rakta chandana, teak etc), (At the end of sixth year)	1.0	2000	2000		25000
Micro sprinkler irrigation with stored water or bore well under KBY or NHM	1.0	15000	15000		
Recharging of bore well under MGNREGA		25000	25000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – proposed: 1+1(HF)		45000	90000	40000	150000
Local cows -1 (existing)				10000	30000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**255100**	**160600**	**631000**

24. Name of the Farmer :VeerendraPoojary (2.5 ac.)- rainfed

Existing Model:

Area : Ac, Milk :Lts, Production :qtlsAmount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Arecanut	1.0	8	20192	161536	111098	50438
Coconut	0.5	2500 nuts	8/nut	20000	30000	-10000
Paddy	1.0	20	1674	33480	32168	1312
Total				**215016**	**173266**	**41750**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Arecanut - existing	1.0			40000	170000
Coconut - existing	0.5			20000	35000
Arecanut - Proposed	0.75	40000	30000	30000	150000
Cocoa(600) - Intercrop between all existing & proposed plantation				15000	30000
Pepper (600) - On existing areca/ coconut plants				15000	30000
Paddy- blackgram	0.25	20000		5000	10000
Farm pond 12M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Silver oak,rakta chandana, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro sprinkler irrigation with stored water or bore well under KBY or NHM	1.0	15000	15000		
Cowshed under MGNREGA		43000	43000		
Livestock/ animal component					
CB cows – 1+1(HF)		45000	90000	40000	150000
Back yard poultry 20+2 (Swarnadhara)		800	1600	1600	6000
Fishery component		6000	6000	4000	25000
Bee keeping unit (10 boxes)		10000	10000		25000
Total			**247100**	**175600**	**701000**

Abstract of IFS models of Dharegudda Village , Mangalore taluk, Dakshina Kannada District

In Rupees

Sl. No.	Name of the Farmer	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	AppuMadival	244100	270600	601200	1171000
2	Ashok Poojary	242100	190600	400000	813000
3	Baskar Rao	262100	145600	195750	506000
4	Charmin Lobo	199100	260600	620250	1106000
5	Harish Shetty	279100	170600	95580	676000
6	Jaykumar Shetty	242100	144600	222156	626000
7	JecintaMelwin	207100	210600	400000	754000
8	Rajaram Bhat	232100	190600	517550	916000
9	RajavarmaBailangdy	230100	235600	734012	1346000
10	Krishnappa	232100	220600	400000	836000
11	Pravin Chandra	222600	115600	164800	521000
12	Raja Poojary	209600	205600	336000	876000
13	Rammayya	207100	220600	400000	848500
14	Ravindra Acharya	236100	165600	376720	686000
15	Lalithamma	307100	125600	40000	531000
16	Prabhakar	377100	237600	440000	991000
17	Santhosh Devadiga	272100	152600	260600	708000
18	ShekarPoojary	243300	194800	326940	808000
19	Shivanand	260100	150600	200000	656000
20	Shubhakar	224300	149800	131552	538000
21	DogyPoojary	211300	157800	133524	588000
22	Subash Chandra chouter	188300	257800	351290	811000
23	Vasu Poojary	255100	160600	145892	631000
24	VeerendraPoojary	247100	175600	215016	701000
	Total	**5831200**	**4510200**	**7708832**	**18644500**

Potentials of improvement in Integrated Farming Systems of Dharegudda Village , Mangalore taluk, Dakshina Kannada District

The expert team of PLUS Trust visited Dharegudda Village , Mangalore taluk, Dakshina Kannada District, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing net work. Based on these parameters and the opinion of the framers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pump set, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Karnataka has a long coastal line of about 320 KM covering Dakshina Kannada, Udupi and Uttara Kannada districts. These areas are charaterised by high rainfall up to 4000 mm spread mostly from June to September months. The soils are lateritic, acidic and rich in iron, aluminium and manganese but fairly deficit in zinc, boron and molybdenum. The major crop being paddy cultivated in the entire district in lowland, midlands and uplands. The land holding size ranges from 1.0 to 3.0 acres. Further, people move away from the district in search of employment to Mumbai and gulf countries. Hence, agriculture profession has taken a back seat in the district.

The expert team of PLUS Trust visited the Dharegudda Village , Mangalore taluk, Dakshina Kannada District along with KVK scientists and officers of develo9pment departments. All 24 farmers participated in the meeting. Each farmer made a detailed presentation about his land, soil type, socio-economic status and interest in IFS model. Most of the farmers had paddy lands and small ponds for rearing fishes. However, some of them have arecanut, cashew and coconut. The team also visited the farmers fields to ascertain the ground situation and to make necessary suggestions.

Although the land holding size ranged between 1.0 and 3.0 acres, the annual income ranged from Rs. 40,000.00 to Rs.7,34,012.00. The higher income obtained by some farmers was only due to arecanut, pepper, cocoa. However, the farmers and officers of all development departments, lead Bank Manager, KVK Scientists had a meeting at Joint Director of Agricultures Office, wherein, individual IFS models were made known to each of them. The farmers were required to submit applications to the concerned departments along with necessary documents to seek subsidy/incentives/loan. The KVK scientists were requested to facilitate and follow up the activities with farmers.

In the ultimate analysis, the PLUS Trust has suggested end to end solutions to each farmer and these recommendations are being followed up by the concerned KVK to achieve envisaged target.

8. Farmer wise IFS Models of village KhurduVeerapur of Byadagi taluk, Haveri district

1. **Name of the farmer : AravindMannabasavannavar (8 acs./3.0 irrigated)**

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4	40	4800	192000	48000	144000
Maize	4	116	1380	160080	25000	135080
Total				**208080**	**73000**	**279080**

Proposed Model:

Area in acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	2.0	30000		60000	100000
Maize (I)	4.0	20000		80000	160000
Brinjal (I)	0.5	40000		20000	40000
Napiergrass	0.5	40000	20000	12500	40000
Tomato (I)	1.0	40000		40000	80000
Rabi jowar + B. gram	2.0	20000		40000	80000
Cabbage (I)	3.5	40000		140000	320000
Green chillies (I)	2.0	40000		80000	160000
Farm pond 15M X 15 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	6.0	2000	12000		150000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Gobar gas plant 210 cft under MGNREGA		45000	45000		
Construction of net house -1 under NHM		710000	710000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -6		30000	180000	90000	210000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**1180300**	**588300**	**1438000**

2. Name of the farmer :BasavarajKukal(2 ac./ 2 irrigated)

Existing Model:

Area : Ac, Milk :Lts/yr, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1	8	5000	40000	15800	24200
Maize	1	20	1400	28000	10000	18000
Cabbage	1	100	500	50000	40000	10000
Total				**118000**	**65800**	**52200**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	1.0	30000		30000	50000
Green chillies (I)	0.5	40000		20000	40000
Brinjal (I)	0.25	40000		10000	20000
Napiergrass(I)	0.25	40000	40000	6000	20000
Cabbage(I) –R	1.0	40000		40000	80000
Maize(I) -R	0.75	20000		15000	30000
Farm pond 10M X 10 M X 3 Munder KBY with lifting device		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curry leaf, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro irrigation with bore well or farm pond under KBY or NHM	2.0	30000	60000		
Gobar gas plant 210 cft		45000	45000		
Construction of net house -1 under NHM		710000	710000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -1 + 1 local cow (existing)				30000	70000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**972300**	**176800**	**458000**

3. Name of the farmer :DuraggappaKenchannavar (3 ac. dry)

Existing Model:

Area :Ac.guntas, Milk :Lts/yr, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.5	8	4200	33600	15000	18600
Maize	1.5	40	1500	60000	12000	48000
Total				**93600**	**27000**	**66600**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	1.5	30000		45000	75000
Maize (D)	1.5	20000		30000	60000
Cabbage(I)	1.5	40000		60000	120000
Rabi jowar(D)	1.5	20000		30000	60000
Farm pond 10 M X 10 M X 3 M		22500	22500		
New bore well		200000	200000		
Recharging of bore well		25000	25000		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curry leaf, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro irrigation with stored water under KBY or bore well	1.0	30000	30000		
Gobar gas plant 210 cft under MGNREGA		45000	45000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -2 + L. cow -1 (existing)		35000	70000	45000	105000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**489300**	**235800**	**593000**

4. Name of the farmer: DyanappaHallalli (3 ac. 27 guntas. dry)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	3	30	4800	144000	25000	119000
Total				**144000**	**25000**	**119000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	3.0	30000		90000	150000
Green chillies (I)	0.45	40000		17000	65000
Napiergrass	0.25	40000	10000	6000	20000
Rabi jowar + B. gram	2.0	20000		40000	70000
Farm pond 10 M X 10 M X 3 M		22500	22500		
New bore well		200000	200000		
Recharging of bore well		25000	25000		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro irrigation with stored water under KBY or bore well	1.0	30000	30000		
Construction of Cowshed		43000	43000		
Construction of net house -1 under NHM		710000	710000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**1107300**	**178800**	**478000**

5. Name of the farmer: GirijavvaMadar (4 ac. dry)

Existing Model:

Area : Ac, Milk :Lts, Production :qtlsAmount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2	18	4500	40500	24000	16500
Maize	2	30	1400	42000	10000	32000
Total				**82500**	**34000**	**48500**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (D)	2.0	30000		60000	100000
Maize (I)	0.5	20000		10000	20000
Brinjal (I)	0.5	40000		20000	40000
Napiergrass	0.25	40000	10000	6000	20000
Soybean/ Cl. Bean	0.75	20000		15000	30000
Rabi jowar + B. gram	2.0	20000		40000	70000
Farm pond 12 M X 12 M X 3 M		32500	32500		
New bore well		200000	200000		
Recharging of bore well		25000	25000		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	4.0	2000	8000		100000
Micro irrigation with stored water under KBY or bore well	1.0	30000	30000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Poultry birds(existing)- 9				800	2000
Sheep unit 20+2		30000	60000	50000	150000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**456300**	**227600**	**630000**

6. Name of the farmer: HonnammaLachappanavar (7 ac./ 2.0 irrigated)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	0.5	25	6000	150000	50000	100000
Cabbage	2	0	-	0	120000	-120000
Cotton	1	8	5000	40000	12000	28000
Maize	2	20	1400	28000	14000	14000
Ladies finger	1	1	35000	35000	10000	25000
Total				**253000**	**206000**	**47000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize (D)	2.0	20000		40000	80000
Cotton (D)	2.0	30000		60000	100000
Dry chillies (D)	1.0	40000		40000	80000
Brinjal (I)	1.0	40000		40000	80000
Napiergrass	0.25	40000	10000	6000	20000
Tomato(I)	1.0	40000		40000	200000
Cabbage	1.0	40000		40000	80000
Ladys finger	1.0	40000		40000	80000
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	6.0	2000	12000		150000
Micro irrigation with stored water or bore well under KBY or NHM	1.0	30000	30000		
Improvement of existing cow shed		30000	30000		
Construction of net house -1 under NHM		710000	710000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**885300**	**331800**	**968000**

7.Name of the farmer : HonnappaDyavannavar (7 ac 10 gunta,dry)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	3	30	4500	135000	36000	99000
Maize	2	30	1450	43500	12000	31500
Ladies finger	1	2.2	35000	77000	60000	17000
Total				**255500**	**108000**	**147500**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	3.0	20000		60000	120000
Cotton	2.0	30000		60000	100000
Dry chillies	1.0	40000		40000	80000
Brinjal (I)	1.0	40000		40000	80000
Napiergrass	0.25	40000	10000	6000	20000
Ladys finger (I)	1.0	40000		40000	80000
Rabi jowar + B. gram	1.0	20000		20000	40000
Tomato	1.0	40000		40000	80000
Farm pond 15 M X 15M X 3 M		32500	32500		
New bore well		200000	200000		
Recharging of bore well		25000	25000		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	6.0	2000	12000		150000
Micro irrigation with stored water	1.0	30000	30000		
Construction of cow shed		43000	43000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Local cows- 2 (existing)				20000	60000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**458300**	**351800**	**908000**

8. Name of the farmer: KrishnappaGanjur (0 ac 20 guntas. dry)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cabbage	0.5	0		0	15000	-15000
Tomato	0.5	7	6000	42000	60000	-18000
Total				**42000**	**75000**	**-33000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Brinjal	0.5	40000		20000	40000
Tomato	0.5	40000		20000	40000
Vermi compost unit -1 unit		15000	15000	5000	20000
New bore well under ganga kalyanyojane		200000	200000		
Recharging of bore well		25000	25000		
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	0.5	2000	1000		12500
Micro irrigation with stored water	0.5	30000	15000		
Construction of cow shed		20000	20000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**321800**	**65800**	**190500**

9. Name of the farmer: MallappaGanajur (3 ac. 5 guntas./ 1.05 irrigated)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	0.5	20.5	5500	112750	80000	32750
Cucumber	0.5	44	2000	88000	95000	-7000
Total				**200750**	**175000**	**25750**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	1.0	30000		30000	50000
Dry chillies	1.0	40000		40000	80000
Tomato	1.0	40000		40000	80000
Napiergrass	0.25	40000	10000	6000	20000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro irrigation with stored water or bore well under KBY or NHM	1.0	30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Construction of Net house		710000	710000		
Construction of cow shed		43000	43000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -1 + local cow -1(existing)				30000	70000
Poultry birds -5(existing)				400	1000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**937300**	**192200**	**514000**

10. Name of the farmer: Manju Madar (3 ac. 20 guntas/ 2.00 ac Irrigated)

Existing Model:Area: Ac, Milk :Lts, Production :qtls, Amount : Rs**.**

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	0.75	39	5000	195000	90000	105000
Brinjal	0.25	65	900	58500	35000	23500
Cucumber	0.25	56	2500	140000	25000	115000
Cabbage	0.50	100	500	50000	30000	20000
Maize	0.45	10	1500	15000	5000	10000
Total				**458500**	**185000**	**273500**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	1.0	30000		30000	50000
Tomato	0.5	40000		20000	40000
Brinjal	0.5	40000		20000	40000
Napiergrass	0.5	40000	20000	12000	40000
Cabbage	1.0	40000		40000	80000
Ridge gourd	0.5	40000		20000	40000
Cucumber	0.5	40000		20000	40000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro irrigation with stored water or bore well under KBY or NHM	2.0	30000	60000		
Improvement of existing cow shed under MGNREGA		30000	30000		
Construction of gobar gas plant 210 cft - 1 under MGNREGA		45000	45000		
Construction of net house under MGNREGA		710000	710000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -2 (existing)				30000	70000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**964300**	**237800**	**613000**

11. Name of the farmer: MukappaJogihalli(2 ac. dry)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1	5	4500	22500	12000	10500
Maize	0.5	12	1400	16800	5000	11800
Total				**39300**	**17000**	**22300**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton (D)	1.0	30000		30000	50000
Vermi compost unit -1		15000	15000	5000	20000
Farm pond 10 MX 10 M X 3 M under KBY with lifting device		22500	22500		
New bore well under ganga kalyanyojane		200000	200000		
Recharging of bore well under MGNAREGA		25000	25000		
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro irrigation with stored water or bore well under KBY or NHM	1.0	30000	30000		
Construction of cow shed		43000	43000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Poultry birds -9 (existing)				800	2000
Sheep unit 20+2		30000	60000	50000	150000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**455300**	**126600**	**390000**

12. Name of the farmer: Nagaraj Kover (4 ac. 20 guntas. dry)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	3	27	4500	40500	30000	10500
Maize	4	40	1100	44000	35000	9000
Total				**84500**	**65000**	**19500**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	3.0	20000		60000	120000
Cotton	1.0	30000		30000	50000
Napier grass	0.5	40000	20000	6000	40000
Brinjal	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
New bore well under ganga kalyanyojane		200000	200000		
Recharging of bore well		25000	25000		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	4.0	2000	8000		100000
Micro irrigation with stored water	2.0	30000	60000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -2 (existing)				30000	70000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**481300**	**191800**	**558000**

13. Name of the farmer: Rajappa Gurumatti (9 ac./ 6.0 irrigated)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	3	30	4000	120000	36000	84000
Maize	3	100	1400	140000	20000	120000
Cabbage	2	250	100	25000	50000	-25000
Total				**285000**	**106000**	**179000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	3.5	20000		70000	140000
Cotton	2.0	30000		60000	100000
Dry chillies	1.0	40000		40000	80000
Brinjal	1.0	40000		40000	80000
Tomato	1.0	40000		40000	80000
Napiergrass	0.5	40000	20000	12000	40000
Ladys finger	1.0	40000		40000	80000
Cabbage	1.0	40000		40000	80000
Rabi jowar + B. gram	4.0	20000		80000	120000
Farm pond 15 M X 15 M X 3 M - 2 No		32500	65000		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	8.0	2000	16000		200000
Micro irrigation with stored water or bore well under KBY or NHM	4.0	30000	120000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -1 (existing)				15000	35000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**356800**	**462800**	**1133000**

14. Name of the farmer: RamappaPujar (5 ac./ 3.0 irrigated)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Brinjal	0.5	0	0	0	15000	-15000
Chilli	0.5	0	0	0	15000	-15000
Tomato	0.5	0	0	0	15000	-15000
Maize	2.5	47	1450	68150	15000	53150
Cotton	1.60	14	4500	63000	12000	51000
Total				**131150**	**72000**	**59150**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	2.0	20000		40000	80000
Cotton	1.0	30000		30000	50000
Brinjal	0.75	40000		30000	60000
Napiergrass	0.25	40000	10000	6000	20000
Tomato	1.0	40000		40000	80000
Rabi jowar + B. gram	2.0	20000		40000	70000
Tomato	1.0	40000		40000	80000
Cabbage	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	5.0	2000	10000		125000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Construction of cow shed		43000	43000		
Construction of gobar gas plant 210 cft		45000	45000		
Construction of net house under NHM		710000	710000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Local cow -2 (existing)				20000	60000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**1001300**	**311800**	**803000**

15. Name of the farmer: RekhaGurumatti(2 ac./ 2.0 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Maize	1	28	1450	40600	10000	30600
Ladies finger	0.5	80	380	30400	20000	10400
Tomato	0.5	21	8000	168000	80000	88000
Total				**239000**	**110000**	**129000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	0.5	30000		15000	25000
Ladys finger	0.5	40000		20000	40000
Brinjal	1.0	40000		40000	80000
Napiergrass	0.25	40000	10000	6000	20000
Cabbage	0.75	40000		30000	60000
Farm pond 10 M X 10M X 3 M		22500	22500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro irrigation under bore well under KBY or NHM	2.0	30000	60000		
Construction of cow shed		43000	43000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**200300**	**156800**	**413000**

16. Name of the Farmer:RenavvaKenchannavar (2 ac. dry)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1	8	4500	27000	12500	14500
Maize	1	18	1400	25200	5500	19700
Total				**52200**	**18000**	**34200**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	0.75	30000		22000	40000
Napiergrass	0.25	40000	10000	6000	20000
Farm pond 10 M X 10 M X 3 M with lifting device		22500	22500		
Vermi compost unit -1		15000	15000	5000	20000
New bore well under ganga kalyanyojane		200000	200000		
Recharging of bore well		25000	25000		
Improvement of existing cow shed		30000	30000		
Border plants (drum stick, Hebbevu, Curry leaf, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Construction of gobar gas plant- 210 cft		45000	45000		
Micro irrigation under bore well	1.0	30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Local cow -1 (existing)				10000	30000
Poultry birds -11(existing)				800	2000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Sheep unit 20+2		30000	60000	50000	150000
Total			**487300**	**134600**	**430000**

17. Name of the Farmer Revanasiddappa H Pujar (5 ac.25 g./ 3.25 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ladies finger	0.5	80	350	28000	10000	18000
Tomato	0.5	14	5000	70000	25000	45000
Cabbage	0.5	0	0	0	10000	-10000
Cotton	1	10	4500	45000	10000	35000
Maize	0.5	12	1450	17400	4000	13400
Total				**160400**	**59000**	**101400**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	2.0	20000		40000	80000
Cotton	1.0	30000		30000	50000
Dry chillies	1.0	40000		40000	80000
Brinjal (I)	0.5	40000		20000	40000
Tomato	0.80	40000		35000	75000
Napiergrass	0.25	40000	10000	6000	20000
Ladys finger	1.0	40000		40000	80000
Cabbage	1.5	40000		60000	120000
Rabi jowar + B. gram	2.0	20000		40000	70000
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	5.0	2000	10000		125000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Construction of cow shed		43000	43000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Local cow1				10000	30000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**291300**	**346800**	**868000**

18. Name of the Farmer RevansiddappaGurumatti (2 ac./ 2.0 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Jowar	2	8	1100	8800	6000	2800
Total				**8800**	**6000**	**2800**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	0.75	30000		30000	50000
Brinjal	0.75	40000		30000	60000
Napiergrass	0.25	40000	10000	6000	20000
Ladys finger	0.75	40000		30000	60000
Cabbage	0.5	40000		20000	40000
Vermi compost unit -1		15000	15000	5000	20000
Farm pond 10 M X 10 MX3 M under KBY with lifting device		22500	22500		
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	2.0	2000	4000		50000
Micro irrigation with bore well	2.0	30000	60000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -3 (existing)				45000	105000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**232300**	**206800**	**523000**

19. Name of the Farmer: SavitravvaDyavannavar (12 ac./ 1.0 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5	38	4000	152000	60000	92000
Maize	5	81	1500	121500	50000	71500
Ladies finger	2	1.5	35000	52500	50000	2500
Total				**326000**	**160000**	**166000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	6.0	20000		120000	240000
Cotton	4.0	30000		120000	200000
Dry chillies	1.5	40000		60000	120000
Napiergrass	0.5	40000	20000	12000	40000
Tomato	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1 unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	10.0	2000	20000		250000
Micro irrigation with stored water or bore well under KBY or NHM	1.0	30000	30000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**193300**	**377800**	**1028000**

20. Name of the Farmer:ShambannaGurumatti (16 ac./ 6.0 irrigated)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Maize	6.5	143	1200	171600	70000	101600
Cotton	5.5	50	4500	225000	66000	159000
Tomato (seeds)	2	65	5000	325000	260000	65000
Total				**721600**	**396000**	**325600**

Proposed Model: Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	6.5	20000		130000	200000
Cotton	4.0	30000		120000	200000
Dry chillies	2.0	40000		80000	160000
Brinjal	1.0	40000		40000	80000
Tomato	2.0	40000		80000	160000
Napiergrass	0.5	40000	20000	12000	40000
Cabbage	1.5	40000		60000	120000
Ladys finger	1.5	40000		60000	120000
Rabi jowar + B. gram	2.0	20000		40000	70000
Farm pond 15 M X 15 M X 3 M - 2 No		32500	65000		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	10.0	2000	20000		250000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -4+ local cows -3 (existing)		30000	120000	105000	245000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**450800**	**752800**	**1743000**

21. Name of the Farmer ShivamurtappaPujar (3 ac./ 3.0 irrigated)

Existing Model: Area: Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cabbage	1.5	150	1600	240000	50000	190000
Chilli	0.5	5	300	5000	10000	-5000
Cotton	1	13	4500	58500	15000	43500
Maize	2	45	1450	65250	20000	45250
Total				**368750**	**95000**	**273750**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	1.0	20000		20000	40000
Cotton	1.0	30000		30000	50000
Dry chillies	0.75	40000		30000	60000
Napiergrass	0.25	40000	10000	6000	20000
Cabbage	1.5	40000		60000	120000
Tomato	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	3.0	2000	6000		75000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Construction of net house -1 under NHM		710000	710000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Local cow -1 (existing)				10000	30000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Sheep unit 20+2		30000	60000	50000	150000
Total			**1044300**	**271800**	**723000**

22. Name of the Farmer SiddalingappaGurumatti (6 ac./ 2.0 irrigated)

Existing Model:Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cabbage	1	0	0	0	0	0
Cotton	2.5	15	5500	82500	25000	57500
Maize	2	22	1400	30800	10000	20800
Cucumber	1	2	1900	38000	10000	28000
Rajgiri	1	3	11000	33000	5000	28000
Total				**184300**	**50000**	**134300**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	2.0	20000		40000	80000
Cotton	2.0	30000		60000	100000
Dry chillies	1.0	40000		40000	80000
Brinjal	0.75	40000		30000	60000
Napiergrass	0.25	40000	10000	6000	20000
Cabbage	1.0	40000		40000	80000
Tomato	1.0	40000		40000	80000
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc)(At the end of sixth year)	5.0	2000	10000		125000
Micro irrigation with stored water or bore well under KBY or NHM	2.0	30000	60000		
Improvement of existing cow shed		30000	30000		
Construction of net house		710000	710000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -2 (existing)				30000	70000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**958300**	**311800**	**793000**

23. Name of the Farmer :Sunil Gowda Patil (13 ac./ 4.0 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cabbage	2	180	500	90000	40000	50000
Beetroot	2	70	600	42000	16000	26000
Cotton	4	40	5200	208000	48000	160000
Maize	4	60	1200	72000	32000	40000
Total				**412000**	**136000**	**276000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	6.0	20000		120000	240000
Cotton	4.0	30000		120000	200000
Dry chillies	2.0	40000		80000	160000
Brinjal	0.5	40000		20000	40000
Napiergrass	0.5	40000	20000	12000	40000
Cabbage	2.0	40000		80000	160000
Tomato	2.0	40000		80000	160000
Farm pond 15 M X 15 M X 3 M - 2 No		32500	65000		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	10.0	2000	20000		250000
Micro irrigation with stored water or bore well under KBY or NHM	4.0	30000	120000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -1(existing)				15000	35000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**360800**	**552800**	**1383000**

24. Name of the Farmer:Yellappa Adur (4 ac./ 3.0 irrigated)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Maize	2	45	1500	67500	20000	47500
Cotton	2	16	4500	72000	24000	48000
Cabbage	1.5	180	1100	198000	50000	148000
Total				**337500**	**94000**	**243500**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	2.0	20000		40000	80000
Cotton	1.0	30000		30000	50000
Dry chillies	0.75	40000		30000	60000
Napiergrass	0.25	40000	10000	6000	20000
Brinjal	1.0	40000		40000	80000
Tomato	1.0	40000		40000	80000
Cabbage	1.0	40000		40000	80000
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curry leaf, teak etc), (At the end of sixth year)	4.0	2000	8000		100000
Micro irrigation with stored water or bore well under KBY or NHM	3.0	30000	90000		
Improvement of existing cow shed		30000	30000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Localcow -1 (existing)				10000	30000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**231300**	**261800**	**678000**

25. Name of the Farmer Vijay Gurumatti (12 ac./ 4.0 irrigated)

Existing Model: Area **:**Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4	40	4500	180000	60000	120000
Cabbage	4.5	400	650	260000	240000	20000
Tomato	1.5	60	5300	317000	210000	107000
Maize	4	100	1400	140000	45000	95000
Total				**897000**	**555000**	**342000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Maize	5.0	20000		100000	200000
Cotton	4.0	30000		120000	200000
Dry chillies	1.5	40000		60000	120000
Brinjal	1.0	40000		40000	80000
Napiergrass	0.5	40000	20000	12000	40000
Cabbage	1.5	40000		60000	120000
Tomato	1.5	40000		60000	120000
Ladys finger	0.75	40000		30000	60000
Farm pond 15 M X 15 M X 3 M- 2 No		32500	65000		
Vermi compost unit -1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu, Curryleaf, teak etc), (At the end of sixth year)	10.0	2000	20000		250000
Micro irrigation with stored water or bore well under KBY or NHM	4.0	30000	120000		
Improvement of existing cow shed		30000	30000		
Construction of gobar gas plant 210 cft		45000	45000		
Livestock/ animal component					
Gir cow-1		45000	45000	20000	75000
Buffaloe -4 (existing)				60000	140000
Back yard poultry 10+1 (Swarnadhara)		800	800	800	3000
Total			**360800**	**567800**	**1428000**

Abstract of IFS models of KhurduVeerapur of Byadagi taluk in Haveri district

In Rupees

Sl. No.	Name	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1.	AravindMannabasavannavar	1180300	588300	208080	1438000
2.	BasavarajKukal	972300	176800	118000	458000
3.	DuragappaKenchannavar	489300	235800	93600	593000
4.	DyamappaHallalli	1117300	178800	144000	478000
5.	GirijavvaaMadar	456300	227600	82500	630000
6.	HonnammaLachappanavar	885300	331800	253000	968000
7.	HonnappaDyavannavar	458300	351800	255500	908000
8.	KrishnappaGanjur	321800	65800	42000	190500
9.	MallappaGanajur	937300	192200	200750	514000
10.	Manju Madar	964300	237800	458500	613000
11.	MukappaJogihalli	455300	126600	39300	399000
12.	Nagaraj Kover	481300	191800	84500	558000
13.	Rajappa Gurumatti	356800	462800	285000	1133000
14.	RamappaPujar	1001300	311800	131150	803000
15.	RekhaGurumatti	200300	156800	239000	413000
16.	RenavvaKenchannavar	487300	134600	52200	430000
17.	Revannasidappa H. Pujar	291300	346800	160400	868000
18.	RevanasiddappaGurumatti	232300	206800	8800	523000
19.	SavitravvaDyavannavar	193300	377800	326000	1028000
20.	ShambannaGurumatti	450800	752800	721600	1743000
21.	ShivamurtappaPujar	1044300	271800	368750	723000
22.	SiddalingappaGurumatti	958300	311800	184300	793000
23.	Sunil Gowda Patil	360800	552800	412000	1383000
24.	YallappaAdur	231300	261800	337500	678000
25	Vijay Gurumatti	360800	567800	897000	1428000
Total		**14888000**	**7621300**	**6103430**	**19693500**

Potentials of improvement in Integrated Farming Systems of KhurduVeerapur of Byadagi taluk, Haveri district

The expert team of PLUS Trust KhurduVeerapur of Byadagi taluk, Haveri district, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing network. Based on these parameters and the opinion of the farmers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pump set, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead Bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Haveri district lies in Northern Transitional zone, wherein the annual rainfall ranges from 800 to 900 mm, which is fairly well distributed to grow two crops in a year. Onion –Chilli-Cotton is a traditional cropping system, which is in practice over several decades. Chilli+Cotton or mono-cropping of chilli and Hy.cotton have become prominent in the recent years due to high input agriculture. Irrigation through Varada and Upper Tunga is available in a limited area. The soils are medium to deep black and fairly fertile with very good yield potential of chilli and cotton.

The expert team of PLUS Trust visited Khurdu Veerapura village of Byadagi taluk, Haveri district along with Scientists of KVK,Hanumanamatti, officers of line departments, lead bank managers and held discussions with 25 farmers. We discussed with each farmer about his holding, irrigation facility, socio-economic status and his interest in new innovations. Based on all these parameters, scientific IFS Model was suggested to each farmer. These included intercropping systems, improving soil organic matter, dairy, sheep, backyard poultry, vermi composting, pack house, mini tractor etc., considering their interest and requirement. The farmers were requested to submit necessary applications to concerned departments along with relevant documents for securing subsidy/incentive/loan. The KVK Scientists were requested to follow up with concerned departments after the farmers submit their applications.

Further, a meeting was organized at Hanumanamatti under the Chairmanship of Joint Director of Agriculture, Haveri, wherein district Officers of all the line departments, lead bank manager, NABARD representative participated. The farmers were again informed by the Joint Director of Agriculture and other Department heads to avail the benefits and implement the IFS model suggested to each farmer. In case of any doubts, they were asked to contact KVK Scientists or PLUS Trust experts, who will provide required guidance. The annual income of farmers in the revised model ranged from Rs.1,90,500.00 to Rs.17,43,000.00, which is attainable by adopting recommended IFS model.

In the ultimate analysis, we have suggested end to end solutions to each farmer and these suggestions are being followed up by the concerned KVK to achieve the envisaged target.

9. Farmer wise IFS Models of village Tellur , Aland taluk, Kalaburagi district

1. Name of the Farmer: Veeranna(7.00 Ac).

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	5	15	5500	82500	23000	59500
Blackgram	1	3	6000	18000	2500	15500
Sesamum	5	2	3500	7000	10000	-3000
Jowar	1	4	-	0	2000	Domestic use
Wheat	1	2	-	0	2000	Domestic use
Total				**107500**	**35500**	**72000**

Proposed Model:

Area in Acres, Amount in Rupees

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Sesamum/Blackgram/Groundnut	4.0	20000		80000	160000
Maize followed by Bengalgram	2.0	30000		60000	120000
Greengram followed by Rabi Jowar/Wheat	1.0	20000		20000	40000
Chilli/Bhende/tomato/onion	0.5	40000		20000	40000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi Compost unit		15000	15000	5000	20000
Farm Pond-15 M X 15 M X 3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak (At the end of 6th year)	**6.0**	2000	12000		150000
Multi crop thresher		300000	300000		
Nipping equipment		5000	5000		
Cattle shed		43000	43000		
Total			**528300**	**250800**	**758000**

2. Name of the farmer: Mallikarjun.S. (3 Ac)

Existing Model:

Area : Ac, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	3	10	4000	40000	15000	25000
Greengram	3	2	5000	10000	9000	1000
Total				**50000**	**24000**	**26000**

Proposed Model:

Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	1.00	20000		20000	40000
Greengram followed by rabi Jowar/ Bengalgram	1.00	30000		30000	60000
Maize fodder followed by Bengalgram	1.00	30000		30000	60000
Livestock					
Crossbred Cows/Buffaloe-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi Compost Unit		15000	15000	5000	20000
Farm Pond-12 M X 12M X 3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/local fast growing tree (At the end of 6th year)	3.0	2000	6000		75000
Sprayer: one		5000	5000		
Nipping equipment		5000	5000		
Cattle shed		43000	43000		
Total			**227300**	**150800**	**483000**

2. Name of the farmer: Lingaraj (40 ac)

Existing Model: Area : Ac, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	30	80	4600	368000	126000	242000
Jowar	1	10	2800	28000	2200	25800
Blackgram	1	1	5000	5000	2000	3000
Greengram	1	1	5000	5000	2000	3000
Sesamum	1	1	5000	5000	2500	2500
Soybean	1	10	2400	24000	2600	21400
Sunflower	2	10	1600	16000	6000	10000
Bajra	6	18	1400	25200	10800	14400
Total				**476200**	**154100**	**322100**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram + Blackgram	10	20000		200000	400000
Redgram + Sesamum	10	20000		200000	400000
Redgram+Soybean	3	20000		60000	120000
Redgram + Sunflower	3	20000		60000	120000
Maize followed by Bengalgram	3	30000		90000	180000
Greengram followed by Bengalgram	3	30000		90000	180000
Drumstick	2	60000	80000	40000	160000
Cabbage	2	40000		80000	160000
Chilli	2	40000		80000	160000
Bhendi	2	40000		80000	160000
Beans	2	40000		80000	160000
Papaya/other fruit crops	2	60000	80000	40000	160000
Additional suggestions					
Vermi Compost unit		15000	15000	5000	20000
Farm Pond : 21 M x 21 M x 3 M		32500	32500		
Border tree planting-Hebbevu/Silver Oak (At the end of 6th year)	20.0	2000	40000		500000
Mini tractor		300000	300000		
Multicrop thresher		300000	300000		
Poly house/ Shadenet: 2000 sq mts		1680000	1680000		
Storage godown		300000	300000		
Sprinkler set	1.0	15000	15000		
Pumpset		50000	50000		
Total			**2892500**	**1105000**	**2880000**

4. Name of the farmer :Mallikarjun (3 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	3	4	4000	16000	12000	-4000
Bajra	3	9	1000	9000	3000	-6000
Cows	1					Domestic use
Buffaloe	1					Domestic use
Total				**25000**	**15000**	**-10000**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram +Bajra	1	20000		20000	40000
Redgram+Blackgram	1	20000		20000	40000
Maize followed by Bengalgram	1	30000		30000	60000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 50+ 4		30000	150000	125000	375000
Backyard Poultry - 10 + 1		800	800	800	2000
Additional suggestions					
Farm Pond: 10 M x10 M x3M		22500	22500		
Border tree planting-Hebbevu/Silver Oak/Acacia etc., (At the end of 6th year)	3.0	2000	6000		75000
Pumpset		50000	50000		
Animal shed		43000	43000		
Total			**362300**	**235800**	**742000**

5. Name of the farmer: Sharanabasappa (15 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Jowar	3	10	1800	18000	6000	12000
Greengram	2	5	4800	24000	4400	19600
Blackgram	2	2	6200	12400	4400	8000
Redgram	2	5	5550	27750	8000	19750
Wheat	1	3	1500	4500	3000	1500
Bajra	2	10	1200	12000	3200	8800
Cows	1					Domestic use
Total				**98650**	**29000**	**69650**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Bajra	3	20000		60000	120000
Redgram+Blackgram	3	20000		60000	120000
Fodder maize followed by Bengalgram	3	30000		90000	150000
Fodder block	1	40000	40000	25000	80000
Chilli/Bhendi/Radish	2	40000		80000	160000
Onion/leafy vegetables	1	40000		40000	80000
Papaya/drumstick	2	60000	60000	60000	160000
Livestock					
Crossbred Cows-1+4		45000	225000	100000	375000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Acacia etc., (At the end of 6th year)	10.0	2000	20000		250000
Pack house/storage godown		400000	400000		
Drip irrigation for horticulture crops	1.0	30000	30000		
Poly house/ shade net: 2000 sq m		1680000	1680000		
Total			**2600800**	**545800**	**1593000**

6. Name of the farmer : Shivalingappa (16 ac)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	4	32	5550	177600	16000	161600
Greengram	2	10	5000	50000	4000	46000
Blackgram	2	12	6500	78000	4000	74000
Jowar	2	19	2500	47500	4000	43500
Sunflower	10	40	1600	64000	25000	39000
Sesamum	2	6	3000	18000	5000	13000
Bajra	5	25	1400	35000	7500	27500
Soybean	5	25	1500	37500	10000	27500
Total				**507600**	**75500**	**432100**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Sesamum	4	20000		80000	160000
Redgram+Blackgram	2	20000		40000	80000
Redgram+Bajra	3	20000		60000	120000
Redgram+Soybean	2	20000		40000	80000
Fodder block-Napier+Legume	1	40000	40000	25000	80000
Onion/Chillies/Bhendi/Radish etc.,	3	40000		120000	240000
Leafy vegetables/Drumstick	1	40000		40000	140000
Sapota	2	60000	80000	40000	160000
Livestock					
Crossbred Cows –1+ 2		45000	135000	60000	225000
Buffaloe-1+2		30000	90000	45000	105000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi compost units -2		15000	30000	10000	40000
Mini tractor		300000	300000		
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Acacia etc., (At the end of 6th year)	10.0	2000	20000		250000
Storage godown		300000	300000		
Drip irrigation	1.0	30000	30000		
Poly house/shade net: 2000sq M		1680000	1680000		
Pack house		400000	400000		
Chaff cutter		250000	250000		
Pipeline – 6 ac		150000	150000		
Pumpset		50000	50000		
Animal shed		43000	43000		
Total			**3728800**	**585800**	**1758000**

7. Name of the farmer: Mallikarjun.B. (4 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	1.5	5	4500	22500	7500	15000
Cotton	2	8	4600	36800	6000	30800
Soybean	1.5	5	1000	5000	3000	2000
Blackgram	1.5	2	4500	9000	3000	6000
Wheat	0.4	5		0	0	Domestic use
Cow	2					Domestic use
Total				**73300**	**19500**	**53800**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram/Soybean	2.0	20000		40000	80000
Hy.Cotton	1.0	30000		30000	60000
Jowar/Bajra/Maize for fodder followed by Bengalgram	1.0	30000		30000	60000
Vegetables: green chilli/onion/bhendi	0.5	40000		20000	70000
Sericulture	0.5	75000	40000	10000	100000
Livestock					
Crossbred Cows – 2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Farm Pond: 12 M x12 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/ acacia etc., (At the end of 6th year)	4.0	2000	8000		100000
Sericulture rearing house		60000	60000		
Total			**366300**	**240800**	**868000**

8. Name of the farmer: Nagaraj (24ac)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Bajra	2	8	1300	10400	6000	4400
Sunflower	2	18	1800	32400	6000	26400
Redgram	10	21	4700	98700	50000	48700
Jowar	4	28	2500	70000	12000	58000
Wheat	1	7		0	0	Domestic
Bengalgram	1	8	5100	40800	4000	36800
Blackgram	3	9	6000	54000	15000	39000
Greengram	2	5	5000	25000	16000	9000
Soybean	4	8	2000	16000	32000	-16000
Sesamum	4	6	2000	12000	20000	8000
Total				**359300**	**161000**	**214300**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Bajra	2	20000		40000	80000
Redgram+Sunflower	2	20000		40000	80000
Redgram+Jowar	4	20000		80000	160000
Redgram+Blackgram/Soybean/Sessmum	4	20000		80000	160000
Fodder Maize/Jowar fb Bengalgram/Wheat	2	30000		60000	120000
Hy Cotton	3	30000		90000	150000
Chilli/Bhendi/Onion/tomato	2	40000		80000	160000
Leafy vegetables	1	40000		40000	80000
Fruits: papaya, jamoon, amla,sapota	3	60000	120000	60000	240000
Transplanted Redgram with drip	1	30000		30000	60000
Livestock					
Crossbred Cows – 1+2		45000	135000	60000	225000
Buffaloe-2		30000	60000	30000	70000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Mini tractor		300000	300000		
Farm Pond: 21 M x21 M x3 M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Acacia etc., (At the end of 6th year)	15.0	2000	30000		375000
Storage godown		300000	300000		
Pack house		400000	400000		
Animal shed		43000	43000		
Multicrop thresher		300000	300000		
Pumpset,		50000	50000		
Pipeline		25000	100000		
Total			**1983800**	**720800**	**2058000**

9. Name of the farmer: Prabhulinga(5ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	2.5	11	4500	49500	7000	42500
Bajra	2.5	3	1200	3600	2000	1600
Jowar	2.5	11	3000	33000	4500	28500
Greengram	1	1	5000	5000	2000	3000
Blackgram	1.5	2	6000	12000	3000	9000
Total				**103100**	**18500**	**84600**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	2	20000		40000	80000
Redgram-Transplanted with drip	1	30000		30000	60000
Maize fodder followed by Bengal gram	1	30000		30000	60000
Bajra+Greengram followed by Bengalgram	1	30000		30000	60000
Onion/Chilli/Bhendi/leafy vegetables or Drumstick with drip	1	60000		60000	80000
Livestock					
Crossbred Cows – 2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Additional suggestions					
Vermi compost unit: one		15000	15000	5000	20000
Farm Pond: 15 M x15 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	5.0	2000	10000		125000
Pack house		400000	400000		
Polyhouse/shade net 1000 Sq M		840000	840000		
Pump set		50000	50000		
Drip irrigation		30000	30000		
Total			**1497500**	**260000**	**710000**

10. Name of the farmer :Bandagisaab (3 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	2	7	3900	27300	10000	17300
Jowar	1	12		0	0	Domestic use
Blackgram	3	3	5000	15000	7500	7500
Total				**42300**	**17500**	**24800**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram -Transplanted with drip +Blackgram	1	30000		30000	60000
Jowar/Maize followed by Bengalgram	1	30000		30000	60000
Onion/Chilli/Bhendi/leafy vegetables	1	40000		40000	80000
Livestock					
Buffaloes – 2		30000	60000	30000	70000
Sheep- 10+ 1		30000	30000	25000	75000
Poultry 10+1		800	800	800	3000
Fishery Unit		6000	6000	4000	25000
Additional suggestions					
Vermi compost units-1		15000	15000	5000	20000
Farm Pond : 10 M x10 M x3M		22500	22500		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	3.0	2000	6000		75000
Pump set		50000	50000		
Total			**190300**	**164800**	**468000**

11. Name of the farmer : Santosh (10 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	10	25	4200	105000	25000	80000
Greengram	2	2	5000	10000	4000	6000
Blackgram	2	5	7000	35000	7000	28000
Cotton	4	10	5200	52000	15000	37000
Bajra	5	15	1400	21000	10000	11000
Sunflower	2	14	1500	21000	5000	16000
Jowar	5	10		0	0	Domestic use
Total				**244000**	**66000**	**178000**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	5	20000		100000	200000
Hy Cotton	2	30000		60000	120000
Redgram+Maize/Bajra –fodder	2	20000		40000	80000
Bajra+Sunflower	1	20000		20000	40000
Greengram followed by Bengalgram	1	30000		30000	60000
Livestock					
Crossbred Cows – 1		45000	45000	20000	75000
Buffaloe-1		30000	30000	15000	35000
Sheep- 10+ 1		30000	30000	25000	75000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	8.0	2000	16000		200000
Storage godown		300000	300000		
Pump set		50000	50000		
Pipeline		25000	25000		
Total			**611000**	**315000**	**905000**

12. Name of the farmer :Mallayya (15 ac+10 ac lease)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	25	75	4200	315000	100000	215000
Sunflower	10	50	1800	90000	20000	70000
Soybean	10	30	1500	45000	22000	23000
Greengram	6	15	5000	75000	13200	61800
Blackgram	6	18	5000	90000	13800	76200
Bajra	3	20	1200	24000	4500	19500
Cotton	6	46	5000	230000	19200	210800
Cows	5					Domestic use
Buffaloes	4					Domestic use
Total				**869000**	**192700**	**676300**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram-transplanted with drip+ Blackgram	3	30000		90000	180000
Redgram+Soybean/Sesamum	10	20000		200000	400000
Sunflower followed by rabi jowar	5	30000		150000	300000
Bajra+Greengram followed by Bengalgram	3	30000		90000	180000
Hy.Cotton	4	30000		120000	200000
Chilli/Bhendi/Marigold or Tomato	2	40000		80000	160000
Papaya/Drumstick	2	40000		80000	160000
Livestock					
Crossbred Cows – 2		45000	90000	40000	150000
Buffaloe-2		30000	60000	30000	70000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Medicinal plants, (At the end of 6th year)	10.0	2000	20000		250000
Storage godown		300000	300000		
Animal shed		43000	43000		
Pump set		50000	50000		
Pipeline		25000	25000		
Drip irrigation	6.0	40000	200000		
Total			**903000**	**85000**	**2070000**

13. Name of the farmer: Channappa (16 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	10	18	5200	93600	42000	51600
Greengram	3	5	5000	25000	7500	17500
Blackgram	3	6	5000	30000	7500	22500
Bajra	4	13	1400	18200	8000	10200
Jowar	4	6		0	0	Domestic use
Sunflower	6	22	1800	39600	12000	27600
Wheat	1	4		0	0	Domestic use
Cow	1					Domestic use
Buffaloe	1					Domestic use
Total				**206400**	**77000**	**129400**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram-Transplanting with drip+ blackgram	2	30000		60000	120000
Redgram+Sunflower/Soybean	4	20000		80000	160000
Redgram+Jowar/Maize	3	20000		60000	120000
Bajra followed by Bengalgram	4	30000		120000	240000
Greengram followed by wheat	1	30000		30000	60000
Chillie/Bhendi/Tomato/leafy vegetables	2	40000		80000	160000
Drumstick	0.5	40000	20000	20000	40000
Livestock					
Buffaloe-2		30000	60000	30000	70000
Backyard Poultry-10+1		800	800	800	3000
Sheep- 10+ 1		30000	30000	25000	75000
Additional suggestions					
Vermi compost unit: one		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	10.0	2000	20000		250000
Storage godown		300000	300000		
Shade net: 1000 Sq M		710000	710000		
Pump set		50000	50000		
Pipe line		25000	25000		
Drip irrigation	4.0	30000	120000		
Total			**1450800**	**510800**	**1318000**

14. Name of the farmer: Rajashekar (4 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1.5	10	5000	50000	5250	44750
Redgram	1	1		0	0	Domestic use
Blackgram	1	5	5500	27500	2600	24900
Soybean	0.5	1	2500	2500	1250	1250
Total				**80000**	**9100**	**70900**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Hy.Cotton	1	30000		30000	50000
Redgram+Blackgram	2	20000		40000	80000
Greengram/Soybean followed by Bengalgram/Jowar	1	30000		30000	60000
Livestock					
Backyard Poultry 10+1		800	800	800	3000
Sheep- 20+ 2		30000	60000	50000	150000
Additional suggestions					
Vermi compost unit		15000	15000	5000	20000
Farm Pond : 12 M x12 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	4.0	2000	8000		100000
Animal shed		43000	43000		
Desilting of well		5000	5000		
Pump set		50000	50000		
Pipe line		25000	25000		
Total			**239300**	**155800**	**463000**

15. Name of the farmer: Shivasharanappa (8 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	5	18	4300	77400	21000	56400
Blackgram	1	2	7000	14000	3000	11000
Greengram	2.5	2	5500	11000	7500	3500
Soybean	2.5	7	1800	12600	7000	5600
Jowar	0.5	5		0	0	Domestic use
Wheat	0.5	5		0	0	Domestic use
Total				**115000**	**38500**	**76500**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram-transplanting with drip+ Blackgram	2	30000		60000	120000
Redgram+Soybean	2	20000		40000	80000
Greengram followed by Wheat	2	30000		60000	120000
Fodder Maize/Jowar followed by Bengalgram	1	30000		30000	60000
Chilli/Bhendi/Tomato/leafy vegetables	1	40000		40000	80000
Livestock					
Crossbred Cows – 2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Poultry -10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 21 M x21 Mx3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem, (At the end of 6th year)	6.0	2000	12000		150000
Pack house		400000	400000		
Mini tractor		300000	300000		
Animal shed		43000	43000		
Drip irrigation	3.0	30000	90000		
Total			**1080800**	**300800**	**858000**

16. Name of the farmer :Jayadrath (6 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	4	15	5000	75000	16000	59000
Greengram	1	3	5000	15000	2200	12800
Soybean	1	4	1500	6000	4000	2000
Cotton	2	5	5000	25000	5000	20000
Blackgram	1	2	8000	16000	2200	13800
Sunflower	2	15	1500	22500	6000	16500
Total				**159500**	**35400**	**124100**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	2	20000		40000	80000
Cotton+Greengram	2	20000		40000	80000
Redgram+Soybean	1	20000		20000	40000
Maize/Jowar for fodder followed by Bengalgram	1	30000		30000	60000
Livestock					
Crossbred Cows – 2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Goats – 10+1		30000	30000	25000	75000
Poultry -10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond : 15 M x15 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/Neem etc. (At the end of 6th year)	5.0	2000	10000		125000
Multi crop thresher		300000	300000		
Animal shed		43000	43000		
Total			**641300**	**265800**	**858000**

17. Name of the farmer :Shivasharanappa (8 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	8	12	4600	69000	32800	36200
Soybean	4	0	-	0	8000	-8000
Blackgram	4	4	6000	24000	10400	13600
Total				**93000**	**51200**	**41800**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	4	20000		80000	160000
Redgram+Soybean	2	20000		40000	80000
Greengram/Bajra/Maize followed by Bengalgram/Jowar	2	30000		60000	120000
Livestock					
Crossbred Cows – 2+2		45000	90000	80000	300000
Buffaloes-2		30000	60000	30000	70000
Fishery Unit		6000	6000	4000	25000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem etc., (At the end of 6th year)	6.0	2000	12000		150000
Pumpset		50000	50000		
Mini tractor		300000	300000		
Total			**633000**	**299000**	**925000**

18. Name of the farmer :Parameswar (6ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Greengram	1	5	6000	30000	3500	26500
Sunflower	2	15	1400	21000	5200	15800
Redgram	2	5	5000	25000	8000	17000
Soybean	1	4	2600	10400	2000	8400
Total				**86400**	**18700**	**67700**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	2	20000		40000	80000
Redgram+Soybean	2	20000		40000	80000
Bajra/Sorghum/maize followed by Bengalgram	1	30000		30000	60000
Greengram followed by Bengalgram/Jowar	1	30000		30000	60000
Livestock					
Crossbred Cows – 2+2		45000	180000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Poultry -10+1		800	800	800	3000
Rabbit rearing Unit		30000	30000	25000	60000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 18 M x18 M x3M		73000	73000		
Border tree planting-Hebbevu/Silver Oak/Neem etc., (At the end of 6th year)	5.0	2000	10000		125000
Storage Unit		300000	300000		
Mini tractor		300000	300000		
Animal shed		43000	43000		
Multi crop thresher		300000	300000		
Total			**1281800**	**275800**	**863000**

19. Name of the farmer :Bhimray (4ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	3	30	5000	150000	9600	140400
Blackgram	0.5	2	8000	16000	1100	14900
Wheat	0.5	8	3000	24000	1000	23000
Total				**190000**	**11700**	**178300**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram, Transplanting with drip	2	30000		60000	120000
Hy.Cotton	1	30000		30000	60000
Onion/Bhendi/Tomato followed by Bengalgram or Papaya/Drumstick	1	70000		70000	150000
Sericulture	2	75000	150000	40000	250000
Livestock					
Crossbred Cows – 2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Poultry -10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit :one		15000	15000	5000	20000
Farm Pond: 15 M x15 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/Neemetc., (At the end of 6th year)	4.0	2000	8000		100000
Pack house		400000	400000		
Poly house/Shadenet-2000 M^2		1420000	1420000		
Mini tractor		300000	300000		
Rotavator		40000	40000		
Pumpset		50000	50000		
Pipeline		25000	25000		
Drip irrigation	2.0	30000	60000		
Chilli powder machine		25000	25000		
Total			**2646300**	**270800**	**928000**

20. Name of the farmer :Girijabai (2.36 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Blackgram	0.2	1	5000	5000	1100	3900
Sesamum	1	2.5	4500	11250	2500	8750
Redgram	1.2	0.5	4500	2250	4500	-2250
Jowar	1	2		0	0	Domestic use
Total				**18500**	**8100**	**10400**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+ blackgram transplanting with drip	1	30000		30000	60000
Redgram+Sesamum	1	20000		20000	40000
Chilli/Bhendi/ Tomato	1	40000		40000	80000
Fodder Jowar/Maize/grass+legume	0.36	20000		20000	40000
Livestock					
Crossbred Cows – 2		45000	45000	40000	150000
Sheep- 100+ 5		30000	300000	250000	750000
Poultry -10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit: two		15000	30000	10000	40000
Farm Pond : 12 M x12 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/ Neem, (At the end of 6th year)	2.0	2000	4000		50000
Pack house		400000	400000		
Shade net-1000 M^2		710000	710000		
Drip irrigation	1.0	30000	30000		
Sheep shed		30000	30000		
Pipe line		25000	25000		
Borewell recharge pit		25000	25000		
Total			**1632300**	**410800**	**1213000**

21. Name of the farmer :Shantappa (1.21 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	1	8	3000	24000	6000	18000
Wheat	0.5	6	-	0	0	Domestic use
Soybean	1	3	2000	6000	2000	4000
Total				**30000**	**8000**	**22000**

Proposed Model: Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Hy.Cotton or Redgram-Transplanting with drip + Soybean	1	30000		30000	60000
Greengram/Soybean followed by Wheat/Jowar or Chilli/Bhendi/Tomato /Drumstick	1	30000		30000	60000
Livestock					
Crossbred Cows – 2		45000	90000	40000	150000
Buffaloe-2		30000	60000	30000	70000
Sheep- 10+ 1		30000	30000	25000	75000
Poultry -10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 10 M x10 M x3M		22500	22500		
Border tree planting-Hebbevu/Silver Oak/Neemetc., (At the end of 6th year)	1.0	2000	2000		25000
Multi crop thresher		300000	300000		
Pumpset		50000	50000		
Cattle shed		43000	43000		
Total			**613300**	**160800**	**463000**

22. Name of the farmer : Shankar (14 ac)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	3	9	5550	49950	12600	37350
Greengram	3	6	6000	36000	6000	30000
Blackgram	1	3	4500	13500	2000	11500
Wheat	1	4	-	0	0	Domestic use
Cotton	2	30	4200	126000	6400	119600
Jowar	2	10	-	0	0	Domestic use
Maize	1	5	-	0	0	Domestic use
Sunflower	2	5	2000	10000	4000	6000
Total				**235450**	**31000**	**204450**

Proposed Model:

Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram-Transplanting with drip+ Blackgram	2	30000		60000	120000
Redgram+Sunflower/Soybean	5	20000		100000	200000
Hy.cotton	3	30000		90000	150000
Maize/Fodder Jowar followed by Wheat/ Bengalgram	2	30000		60000	120000
Livestock					
Crossbred Cows – 2+2		45000	180000	80000	300000
Sheep- 20+ 2		30000	60000	50000	150000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond :21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem/Jamoon (At the end of 6th year)	10.0	2000	20000		250000
Pumpset		50000	50000		
Pipeline		25000	25000		
Mini tractor		300000	300000		
Animal shed		43000	43000		
Drip irrigation	2.0	30000	60000		
Nipping Instrument		5000	5000		
Total			**858000**	**445000**	**1310000**

23. Name of the farmer :Vittal (12 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	20	50	5550	277500	76000	201500
Bajra	15	30	1500	45000	18000	27000
Soybean	5	7	1800	12600	11000	1600
Sesamum	3	9	1600	14400	9000	5400
Greengram	2	4	5200	20800	2400	18400
Blackgram	2	4	5300	21200	3000	18200
Cows	2					Domestic use
Buffaloe	2					Domestic use
Total				**391500**	**119400**	**272100**

Proposed Model:

Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram +Blackgram	5	20000		100000	200000
Redgram+Sesamum	4	20000		80000	160000
Bajra+Soybean followed by Bengalgram	2	30000		60000	120000
Hy Cotton	1	30000		30000	50000
Onion/Chilli/Bhendi/Tomato/Drumstick	1	40000		40000	80000
Livestock					
Crossbred Cows – 2+2		45000	180000	80000	300000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neemetc., (At the end of 6th year)	10.0	2000	20000		250000
Polyhouse/shadenet-2000 M^2		1420000	1420000		
Pack house		400000	400000		
Mini tractor		300000	300000		
Animal shed		43000	43000		
Multi crop thresher		300000	300000		
Total			**2778000**	**395000**	**1180000**

24. Name of the farmer : Sharanagouda (4.45 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	2.35	7	4500	31500	8000	13500
Greengram	2	4	5200	20800	5000	15800
Blackgram	2	4	5500	22000	5000	17000
Jowar	2	10	-	0	0	Domestic use
Cows	6		-	0	0	Domestic use
Total				**74300**	**18000**	**46300**

Proposed Model:

Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram+Blackgram	3	20000		60000	120000
Jowar/Maize followed by Bengalgram	1	30000		30000	60000
Chilli/Bhendi/Onion/leafy vegetables	0.45	40000		20000	40000
Sericulture	1	75000	50000	25000	250000
Livestock					
Cross bred Cows – 6+4		45000	450000	200000	750000
Buffaloe-5		30000	150000	75000	175000
Sheep- 30+ 3		30000	90000	75000	225000
Fishery Unit		6000	6000	4000	25000
Additional suggestions					
Vermi Compost Unit: one		15000	15000	5000	20000
Farm Pond: 15 M x15 M x3M		32500	32500		
Border tree planting-Hebbevu/Silver Oak/Neem etc., (At the end of 6^{th} year)	4.0	2000	8000		100000
Shadenet-1000 M^2		710000	710000		
Mini tractor		300000	300000		
Animal shed		43000	43000		
Multi crop thresher		300000	300000		
Pump set		50000	50000		
Storage godown		300000	300000		
Total			**2504500**	**494000**	**1765000**

25. Name of the farmer :Vijayakumar (9.5 ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	4	16	4000	64000	16000	48000
Sunflower	4	24	3000	72000	10400	61600
Jowar	8	64	2500	160000	16000	144000
Vegetable	1.5	-	-	0	0	Domestic use
Wheat	1.5	15	3000	45000	3900	41100
Cows	3		-	0	0	Domestic use
Total				**341000**	**46300**	**294700**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Redgram-transplanting with drip +Sunflower	1	30000		30000	60000
Redgram+Blackgram	4	20000		80000	160000
Jowar/Maize followed by Bengalgram	2	30000		60000	120000
Sunflower followed by Wheat	1	30000		30000	60000
Brinjal/Ridgegourd/Tomato/Drumstick	1	40000		40000	80000
Livestock					
Crossbred Cows – 3+3		45000	270000	120000	450000
Sheep- 10+ 1		30000	30000	25000	750000
Additional suggestions					
Vermi Compost unit: one		15000	15000	5000	20000
Farm Pond: 21 M x21 M x3 M		100000	100000		
Border tree planting-Hebbevu/Silver Oak/Neem etc., (At the end of 6th year)	8.0	2000	16000		200000
Pack house		400000	400000		
Animal shed		43000	43000		
Nipping Equipment		5000	5000		
Chaff cutter		10000	10000		
Total			**889000**	**390000**	**1900000**

Abstract of IFS models of Tellur Village, Aland taluk in Kalaburagi district

Amount in Rupees

Sl. No.	Name	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	Veeranna	528300	250800	107500	758000
2	Mallikarjun.S	227300	150800	50000	483000
3	Lingaraj	2892500	1105000	476200	2880000
4	Mallikarjun	362300	235800	25000	742000
5	Sharanabasappa	2620800	545800	98650	1593000
6	Shivalingappa	3728800	585800	507600	1758000
7	Mallikarjun.B.	366300	240800	73300	868000
8	Nagaraj	1983800	720800	359300	2058000
9	Prabhulinga	1497500	260000	103100	710000
10	Bandagisaab	190300	164800	42300	468000
11	Santosh	611000	315000	244000	905000
12	Mallayya	903000	85000	869000	2070000
13	Channappa	1450800	510800	206400	1318000
14	Rajashekar	239300	155800	80000	463000
15	Shivasharanappa	1080800	300800	115000	858000
16	Jayadrath	641300	265800	159500	858000
17	Shivasharanappa	633000	299000	93000	925000
18	Parameswar	1281800	275800	86400	863000
19	Bhimram	2646300	270800	190000	928000
20	Girijabai	1632300	410800	18500	1213000
21	Shantappa	613300	160800	30000	463000
22	Shankar	858000	445000	235450	1310000
23	Vittal	2778000	395000	391500	1180000
24	Sharanagouda	2504500	494000	74300	1765000
25	Vijayakumar	889000	390000	341000	1900000
	Total	**33160300**	**9034800**	**4977000**	**29337000**

Potentials of improvement in Integrated Farming Systems of Tellur Village, Aland taluk in Kalaburagi district

The expert team of PLUS Trust visited Tellur Village, Aland taluk in Kalaburagi district, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing network. Based on these parameters and the opinion of the farmers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pump set, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Kalaburagi is known for high temperatures crossing 45^0C, low rainfall and traditionally excellent redgram cultivation. The quality of tur dall of this district has unique properties, hence, fetches very good price in the market, besides, it is sent to different states and also for export. The soils are medium to deep black with moderate to high fertility status. These soils are very well suited to redgram, cotton, jowar and bengalgram. Although, the irrigation potential is limited to UKP and Karanja, due to fairly good water holding capacity, soil moisture status is available for a longer period, hence, crop yields ae good. It is unfortunate that farmers are dependent only on field crops and not diversified to horticulture, sericulture, however, dairy component is not strong due to inadequate milk collection and chilling centres, but sheep/goat rearing is a common avocation in this district.

The expert team of PLUS Trust along with KVK scientists and officers of Agriculture, Horticulture, Animal Husbandry, sericulture, lead bank managers participated in the farmers group meeting held in Tellur village, Aland taluk, Kalaburagi district. In this meeting, each farmer was invited for discussion on the present land holding, soil analysis report, socio-economic status and crops grown etc.

Considering all these factors, the expert team of PLUS Trust suggested a scientific IFS model in consultation of KVK scientists and other officers of line departments, besides, the opinion of the farmer also. The present size of land holding ranged from 1.5 acres to 40.0 acres and the income ranged from Rs.18500/- to Rs.8,69,000/-. The IFS model included dairy, sericulture, intercropping systems, polyhouse/green house, pack house, vermin composting, border planting with hebbevu, silveroak, sheep/goat rearing etc. Adoption of these parameters, the average income could enhance to Rs.4,63,000/- to Rs.28,80,000/-.

The Joint Director of Agriculture and all other officers of the line departments, KVK scientists, bankers have all assured the farmers to consider their applications for subsidy/incentives on priority. In the ultimate analysis, we have suggested end to end solutions to each farmer and these recommendations have been followed up the concerned KVK scientists for achieving the envisaged target.

10. IFS Models of Village Byappanahalli, Kolar Taluk & district

1. Name of the Farmer :Arun Kumar, (4.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area/Animals	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	10	2000	20000	15000	5000
Tomato	1	20	4000	80000	50000	30000
Mulberry	2	200	700	140000	120000	20000
Cows	2	3900	25	97500	50400	47100
Buffaloes	1	1200	27	32400	13200	19200
Sericulture	6	1920	320	614400	360000	254400
Total				**984300**	**608600**	**375700**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.00	20000		20000	40000
Tomato FY Cabbage/Cauliflower	0.5	80000		40000	50000
Beans FB Tomato	0.5	80000		40000	50000
Mulberry	2.0	75000	100000	50000	500000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak (At the end of 6th year)	4.0	2000	8000		100000
Pack house		400000	400000		
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	160000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Fisheries activity in farm pond		6000	6000	4000	25000
Total			**649800**	**224800**	**1023000**

2. Name of the Farmer Satish, (3.00 acres lease)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	6	2000	12000	10000	2000
Eucalyptus	2					
Total				12000	10000	2000

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Mango	2.0	40000	40000	40000	160000
Additional suggestions					
Planting of border trees-Hebbevu (At the end of 6th year)	1.0	2000	2000		25000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**147800**	**105800**	**398000**

3. Name of the Farmer Byrareddy, (2.20 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	10	2000	20000	10000	10000
Redgram	1	10	2000	20000	15000	5000
Cows	2	4500	25	112500	50400	62100
Total				**152500**	**75400**	**77100**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram+Beans/G.nut	0.5	20000		10000	20000
High density Mango/Sapota/ Guava/Cashew	1.0	40000		40000	80000
Additional suggestions					
Planting of border trees-on one side (At the end of 6th year)	2.0	2000	4000		50000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**139800**	**140800**	**438000**

4. Name of the Farmer Channappa, (5.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Potato	1	10	1000	100000	75000	25000
Tomato	1	40	4000	80000	40000	40000
Cauliflower	1	10	10000	80000	40000	40000
Marigold	1	20	2000	40000	30000	10000
Chili	1	6	2000	12000	10000	2000
Cow	3	4500	25	112500	100800	11700
Total				**424500**	**295800**	**128700**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Tomato	1.0	40000		40000	80000
Potato-seed/tuber	0.5	40000		20000	40000
Cabbage	0.5	40000		20000	40000
Cauliflower	0.5	40000		20000	40000
Avare/French bean intercrop	0.5	40000		20000	40000
Tomato FY Cabbage/Cauliflower	0.5	40000		20000	40000
Leafy vegetables	0.5	40000		20000	40000
Chilli	0.5	40000		20000	40000
Flowers-seasonal	1.0	40000		40000	80000
Additional suggestions					
Verni compost unit-2		15000	15000	5000	20000
Mini Tractor		300000	300000		
Pack house		400000	400000		
Livestock					
Poultry - 110 + 11		24000	24000	16000	60000
Cows (existing)-3				60000	225000
Fisheries activity in farm pond		6000	6000	4000	25000
Total			**745000**	**305000**	**770000**

5. Name of the Farmer Gopala Gowda, (2.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	6	2000	12000	10000	2000
Same	1	2	9000	18000	8000	10000
Cow	2	6750	25	168750	50400	118350
Total				**198750**	**68400**	**130350**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Fodder unit	0.30	40000	10000	3000	35000
Tree Mulberry	0.75	75000	30000	10000	100000
Additional suggestions					
Vermi Compost		15000	15000	5000	20000
Livestock					
Cows (existing-2)				40000	150000
Poultry -110 + 11		24000	24000	16000	60000
Total			**79000**	**94000**	**405000**

6. Name of the Farmer Muni Reddy.K, (5.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	4	120	1300	156000	200000	-44000
Ragi	1	6	3000	18000	10000	8000
Cow	4	8100	25	202500	100800	101700
Total				**376500**	**310800**	**65700**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.00	20000		20000	40000
Tomato	1.5	40000		60000	120000
Beans	1.0	40000		40000	80000
Raddish/Beet root	0.5	40000		20000	40000
Cabbage/Cauliflower	0.5	40000		20000	40000
Fodder Unit	0.5	40000	20000	6000	40000
Additional suggestions					
Planting of border trees-Teak, RakthaChandana (At the end of 6th year)	4.0	2000	8000		100000
Vermi compost unit-2		15000	30000	10000	40000
Net house -2000 M^2		710000	1420000		
Rotovator, Plough		80000	80000		
Livestock					
Crossbred Cows-2 –existing 4		45000	90000	100000	375000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Integrate with Fisheries activities		6000	6000	4000	25000
Total			**1684800**	**305800**	**978000**

7. Name of the Farmer :Manjunath.N, (8.0 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	6	2000	12000	10000	2000
Sericulture	1	4	2000	8000	5000	3000
Cows	4	5400	25	135000	50400	84600
Total				**155000**	**65400**	**89600**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Mari Gold	1.0	40000		40000	80000
Tomato	1.0	40000		40000	80000
Beans	0.5	40000		20000	40000
Mulberry	2.0	75000	100000	50000	400000
Fodder block	0.5	40000	20000	6000	40000
Additional Suggestions					
Vermi compost unit-2		15000	30000	10000	40000
Rotavator & 5 tine plough		80000	80000		
Planting of border trees-Hebbavu, Silver Oak (At the end of 6th year)	5.0	2000	10000		125000
Farm Pond-21M x 21M x 3 M		100000	100000		
Shade Net-2000 M^2		710000	1420000		
Livestock					
Crossbred Cows-4				80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**1790800**	**291800**	**1223000**

8. Name of the Farmer Mune Gowda, (2.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	0.5	6	2000	12000	8000	4000
Tomato	0.5	25	4000	100000	50000	50000
Mulberry	1	20	900	18000	15000	3000
Buffaloe	1	1200	27	32400	13200	19200
Sheep	4			-	-	-
Total				**162400**	**86200**	**76200**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	0.5	20000		10000	20000
Tomato FY Beans	0.5	40000		20000	40000
Mulberry	1.0	5000	50000	25000	200000
Additional suggestions					
Vermi compost unit-1		15000	15000	5000	20000
Planting of border trees-Hebbavu, Honne, Jamoon(At the end of 6th year)	2.0	2000	4000		50000
Chandranki		10000	10000		
Livestock					
Crossbred Cows- 2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**199800**	**125800**	**558000**

9. Name of the Farmer:Muni Reddy.N, (15.00 acres)

Existing Model: Area :Ac, Milk :Lts, Production:qtls, Sericulture:Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	3	450	4000	240000	120000	120000
Mango	5	80	120	96000	50000	46000
Avare	1	5	3000	15000	10000	5000
Redgram	1	7	2000	14000	10000	4000
Marigold	1	20	3000	60000	50000	10000
Mulberry	4	480	700	336000	64000	272000
Cows	10	12000	25	300000	240000	60000
Buffaloe	5	4500	25	121500	66000	55500
Sericulture	6	4320	380	1241600	640000	601600
Total				**2424100**	**1250000**	**1174100**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.00	20000		20000	40000
Tomato staggered planting	3.00	40000		120000	240000
Mango + sheep rearing 20+ 2	5.00	40000	125000	75000	400000
Redgram + Fodder jowar	1.0	20000		20000	40000
Papaya	2.5	40000	60000	40000	200000
Marigold	1.00	40000		40000	80000
Mulberry	4.00	75000	200000	100000	800000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, Amuru,Teak, Sandal, Medicinal plants (At the end of 6th year)	10.0	2000	20000		250000
Vermi compost unit-2		15000	30000	10000	40000
Tripple bottom plough		40000	40000		
Shade Net -4000 M^2		710000	2840000		
Bore well recharge unit		250000	250000		
Livestock					
Poultry unit-100		24000	24000	16000	60000
Fisheries activity in farm pond		6000	6000	4000	25000
Cows-existing 10				100000	750000
Buffaloe-existing 5				75000	175000
Total			**3595000**	**620000**	**3100000**

10. Name of the Farmer:Manjunath.R., (4.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	0.5	60	4000	40000	20000	20000
Ragi	1	5	2000	10000	10000	0
Dolichos	0.5	1	3000	3000	5000	-2000
Redgram	1	1.5	3000	3000	15000	-12000
Cows	1	2880	25	72000	25200	46800
Total				**128000**	**75200**	**52800**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Tomato	0.5	40000		20000	40000
Redgram+Fodderjowar	0.5	20000		10000	20000
Beans /Bhendi	0.5	40000		20000	40000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, (At the end of 6th year)	4.0	2000	8000		100000
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Fisheries activity		6000	6000	4000	25000
Total			**182300**	**144800**	**513000**

11. Name of the Farmer Narasimha, (1.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	6	2000	12000	8000	4000
Cows	1	3600	25	70000	25200	64800
Total				**102000**	**33200**	**68800**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	0.75	20000		15000	30000
Fodder border areas	0.25	40000	10000	3000	35000
Livestock					
Crossbred Cows-1 (existing 1)		45000	45000	20000	75000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**85800**	**63800**	**218000**

12. Name of the Farmer Narayana swamy, (2.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	10	2000	20000	15000	5000
Redgram	1	1	3000	3000	5000	-2000
Cows	2	4800	25	120000	50400	69600
Total				**143000**	**70400**	**72600**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram+Groundnut/Fodder jowar or Mango high density planting	1.0	60000		60000	100000
Additional suggestions					
Planting of border trees-Hebbavu, (At the end of 6th year)	2.0	2000	4000		50000
Vermi compost unit-1		15000	15000	5000	20000
Tree Pruning mechine-1		5000	5000		
Livestock					
Crossbred Cows-1 +existing 2		45000	45000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**99800**	**170800**	**513000**

13. Name of the Farmer:Nagesh, (8.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2	20	2000	40000	30000	10000
Redgram + Avare	3.5	24	2000	48000	30000	18000
Mulberry	2			NA	NA	NA
Fodder	0.25			NA	NA	NA
Cows	1	2400	25	60000	25200	34800
Buffaloe	2	1200	27	32400	13200	19200
Total				**180400**	**98400**	**82000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.5	20000		30000	60000
Redgram + Maize/Jowar for fodder	1.5	20000		30000	60000
Jamoon	1.0	40000	30000	10000	80000
Mulberry	2.0	75000	100000	50000	400000
Mango	2.0	40000	50000	30000	160000
Additional suggestions					
Planting of border plants –Hebbevu, Silver Oak (At the end of 6th year)	5.0	2000	10000		125000
Vermi compost unit-1		15000	15000	5000	20000
Pack House		400000	400000		
Chandrike		10000	10000		
Power Tiller for transportation and application of compost		150000	150000		
Livestock					
Crossbred Cows- 2+ 1existing		45000	90000	40000	180000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Buffaloe 2 – existing				30000	70000
Total			**885800**	**250800**	**1233000**

14. Name of the Farmer :Prakash, (10.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	3	30	4000	230000	110000	120000
Marigold	1	10	2000	40000	50000	-10000
Avare	0.5	10	3000	30000	4000	26000
Redgram	1	10	2000	20000	15000	5000
Ragi	3	20	200	40000	30000	10000
Cows	5	9000	25	225000	126000	99000
Mulberry	2.00			NA	NA	NA
Buffaloe	1	1200	27	32400	13200	19200
Total				**617400**	**348200**	**269200**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.00	20000		20000	40000
Tomato -staggered planting	2.0	40000		80000	160000
Marigold	0.5	40000		20000	40000
Redgram+Fodder Maize/Jowar	1.0	20000		20000	40000
Fodder block-Napier+legume mixture	0.5	40000		20000	40000
Papaya	2.0	40000	50000	30000	160000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, ateak, Honne-Zig zag planting(At the end of 6th year)	8.0	2000	16000		200000
Five tine plough		25000	25000		
Vermi compost unit-2		15000	15000	5000	20000
Chandrike shed		25000	25000		
Net house 2000 M^2		1420000	1420000		
Livestock					
Sheep- 12+ 2		35000	35000	25000	100000
Backyard Poultry - 10 + 1		800	800	800	3000
Cows existing-5				100000	425000
Buffaloe				15000	35000
Fisheries activity in farm pond		6000	6000	4000	25000
Total			**1592800**	**339800**	**1288000**

15. Name of the Farmer Prasannakrishna, (6.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2	15	2000	30000	40000	-10000
Redgram	1	5	2000	10000	8000	2000
Mango	3.0			NA	NA	NA
Cows	2	8100	25	202500	50400	152100
Total				**242500**	**98400**	**144100**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Tomato -Follow good agricultural practices	1.0	40000		40000	80000
Mango high density planting-inter cropping with guava/sapota	2.00	40000	50000	30000	160000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, Honne, Rakthachandana, Sandal with zig zag planting(At the end of 6th year)	5.0	2000	10000		125000
Vermi compost unit		15000	15000	5000	20000
Mini Tractor		300000	300000		
Livestock					
Crossbred Cows-2 + 2existing		45000	90000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**495800**	**200800**	**803000**

16. Name of the Farmer Ravi.D (3.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Redgram	1	10	2000	20000	12000	8000
Ragi	1	4	2000	8000	5000	3000
Eucalyptus	1					
Total				**28000**	**17000**	**11000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram +Maize/Jowar for fodder	1.0	20000		20000	40000
Tomato + Beans	1.0	40000		40000	80000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, (At the end of 6th year)	3.0	2000	6000		75000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 5+ 1		15000	15000	12000	32500
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**126800**	**137800**	**440500**

17. Name of the Farmer:Rami Reddy, (6.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	8	2000	16000	20000	-4000
Redgram	1	10	2000	20000	12000	8000
Same	1	4	9000	36000	15000	21000
Mango	4	60	1200	72000	40000	32000
Cows	2	3600	25	90000	50400	39600
Total				**234000**	**137400**	**96600**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram+Maize/Jowar for fodder	1.0	20000		20000	40000
Mango high density planting-adopt drip irrigation	3.0	40000	80000	40000	240000
Sericulture	1.0	75000	50000	25000	200000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, with zig zag planting (At the end of 6th year)	5.0	2000	10000		250000
Drip Irrigation	1.0	30000	30000		
Five tine plough		25000	25000		
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2+ existing 2		45000	90000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**330800**	**215800**	**1168000**

18. Name of the Farmer Ravi kumar, (7 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2	12	2000	24000	15000	9000
Redgram	1	4	2000	8000	10000	-2000
Eucalyptus	4					
Cows	2	3000	25	75000	50400	24600
Total				**107000**	**75400**	**31600**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram+Maize/Jowar for fodder	1.0	20000		20000	40000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, (At the end of 6th year)	5.0	2000	10000		125000
Mini Tractor		300000	300000		
Vermi compost unit		15000	15000	5000	20000
Chandrike shed		10000	10000		
Livestock					
Crossbred Cows-2 + existing 2		45000	90000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**455800**	**150800**	**603000**

19. Name of the Farmer:B.M.Ravi (6.00 acres+lease 2.00acres)

Existing Model: Area : Ac, Milk :Lts, Production :qtls,,Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	2	200	8000	150000	70000	80000
Cauliflower	1	15	1000	70000	40000	30000
Cabbage	1	150	1000	70000	50000	20000
Pumpkin	1	100	500	50000	3000	47000
Ragi	2	10	2000	20000	5000	15000
Mulberry	2	240	700	168000	120000	48000
Cows	5	8100	25	202500	126000	76500
Buffaloe	2	1080	27	29160	12000	17160
Sericulture	6	2160	420	907200	120000	787200
Total				**1666860**	**546000**	**1120860**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Fodder Maize or Jowar	0.5	20000		10000	20000
Cabbage fb Tomato	1.0	80000		80000	160000
Beans	0.5	40000		20000	40000
Bhendi	0.5	40000		20000	40000
Sericulture	5.0	75000	375000	75000	1000000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, Teak, Medicinal plants with zig zag planting(At the end of 6th year)	10.0	2000	10000		250000
Rotavator		40000	40000		
Five tine plough		25000	25000		
Chandrake		10000	10000		
Chandranki shed		25000	25000		
Vermi compost units -2		15000	30000	10000	40000
Livestock					
Crossbred Cows-5+5existing		45000	225000	200000	600000
Buffaloe existing 2				30000	75000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Composite fishculture		6000	6000	4000	25000
Total			**776800**	**494800**	**2368000**

20. Name of the Farmer : Srinivasa Gowda, (15.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	5	15	2000	30000	20000	10000
Redgram	2	4	2000	8000	10000	-2000
Marigold	1			NA	NA	NA
Cows	2	7200	25	180000	50400	129600
Buffaloes	2	1620	27	43740	12000	31740
Total				**261740**	**92400**	**169340**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	3.0	20000		60000	120000
Redgram+Maize/Jowar for fodder	1.0	20000		20000	40000
Mango +Guava+Sapota	4.0	40000	110000	50000	320000
Additional suggestions					
Planting of border trees-Hebbavu, Silver Oak, (At the end of 6th year)	10.0	2000	20000		250000
Vermi compost units-2		15000	30000	10000	40000
Mini Tractor		300000	300000		
Pack House		400000	400000		
Flour Mill		150000	150000		
Livestock					
Crossbred Cows-2+ existing 2		45000	90000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Buffaloe existing 2				30000	70000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**1130800**	**275800**	**1218000**

21. Name of the Farmer Srinivas, (2.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Sericulture :Kgs, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	15	2000	30000	15000	15000
Avare	0.5	1	3000	3000	2000	1000
Cows	2	4500	25	112500	50400	62100
Total				**126400**	**35000**	**55400**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Fodder block-Napier + legume	0.5	40000	25000	15000	40000
Additional suggestions					
Planting of border trees-Drumstick, Hebbevu(At the end of 6th year)	2.0	2000	4000		50000
Hydroponics for Fodder Production		20000	20000	10000	40000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2+existing 2		45000	90000	80000	300000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**184800**	**155800**	**568000**

22. Name of the Farmer:Viswanath.K (3.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Tomato	0.5	20	3000	60000	30000	30000
Ragi	1	4	2000	8000	5000	3000
Redgram	1	4	1500	6000	5000	1000
Marigold	0.5	10	2000	20000	10000	10000
Total				**94000**	**50000**	**44000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Marigold	0.5	40000		20000	40000
Redgram+Avare	1.0	20000		20000	40000
Mulberry	0.5	75000	35000	15000	125000
Additional suggestions					
Border planting with Hebbevu, Teak (At the end of 6th year)	2.0	2000	4000		50000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Fisheries activity in farm pond		6000	6000	4000	25000
Total			**180800**	**149800**	**568000**

23. Name of the Farmer:Venkate Gowda (3.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	10	2000	20000	15000	5000
Redgram	1.5	5	2000	10000	10000	0
Mulberry	1	50	700	35000	30000	5000
Cows	4	6000	25	150000	100800	49200
Sericulture	6	960	380	364800	108000	256800
Total				**579800**	**263800**	**316000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram+Maize/Jowar for fodder	1.0	20000		20000	40000
Mulberry-adopt mulching, soil& water conservation	1.0	75000	50000	25000	200000
Additional suggestions					
Planting of border trees-Hebbavu, (At the end of 6th year)	2.0	2000	4000		50000
Vermi compost unit		15000	15000	5000	20000
Livestock					
Crossbred Cows-2 +Existing 4		45000	90000	120000	450000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**189800**	**215800**	**878000**

24. Name of the Farmer :Venkat Reddy (2.50 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	2	20	2000	40000	30000	10000
Redgram	0.5	5	2000	10000	8000	2000
Cows	3	6000	25	150000	75600	74400
Total				**200000**	**113600**	**86400**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Redgram + Fodder jowar	0.5	20000		10000	20000
Fodder (Napier+ Legume)	0.5	40000	10000	10000	30000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	325000		
Vermi compost unit-1		15000	15000	5000	20000
Livestock					
Sheep- 10+ 1		30000	30000	25000	75000
Cow-existing – 3				60000	225000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**380800**	**130800**	**413000**

25. Name of the Farmer:Venkatesh, (2.00 acres)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Ragi	1	6	2000	12000	10000	2000
Tomato	1	402	4000	160000	100000	60000
Cows	1	3600	25	90000	25200	64800
Buffaloes	1	1620	27	43740	13200	30540
Total				**305740**	**148400**	**157340**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Ragi+Avare intercrop	1.0	20000		20000	40000
Tomato	0.5	40000		20000	40000
Marigold	0.5	40000		20000	40000
Additional suggestions					
Mini Tractor		300000	300000		
Solar fencing					
Vermi compost unit		15000	150000	5000	20000
Livestock					
Crossbred Cows-2 +existing1		45000	90000	60000	225000
Sheep- 20+ 2		30000	60000	50000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**600800**	**175800**	**518000**

Abstract of IFS models of Byappanahalli, Kolar Taluk & district

In Rupees

Sl. No.	Name	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	Arunkumar	649800	224800	984300	1023000
2	Satish	147800	105800	12000	398000
3	Byrareddy	139800	140800	152500	438000
4	Channappa	745000	305000	424500	770000
5	Gopala Gowda	79000	94000	198750	405000
6	Muni reddy.K	1684800	305800	376500	978000
7	Manjunath.N	1790800	291800	155000	1223000
8	Mune Gowda	199800	125800	162400	558000
9	Muni Reddy.N	3595000	620000	2424100	3100000
10	Manjunath.R	182300	144800	128000	513000
11	Narasimha	85800	63800	102000	218000
12	Narayana Swamy	99800	170800	143000	513000
13	Nagesh	885800	250800	180400	1233000
14	Prakash	1592800	339800	617400	1288000
15	Prasanna Krishna	495800	200800	242500	803000
16	Ravi.D.	126800	137800	28000	440500
17	Rami Reddy	330800	215800	234000	1168000
18	Ravi Kumar	455800	150800	107000	603000
19	B.M.Ravi	776800	494800	1666860	2368000
20	Srinivasa Gowda	1130800	275800	261740	1218000
21	Srinivas	184800	155800	126400	568000
22	Viswanath.K.	180800	149800	94000	568000
23	Venkate Gowda	189800	215800	579800	878000
24	Venkat Reddy	380800	130800	200000	413000
25	Venkatesh	600800	175800	305740	518000
	Total	**16732100**	**5487600**	**9906890**	**22203500**

Potentials of improvement in Integrated Farming Systems of Byappanahalli, Kolar Taluk & district

The expert team of PLUS Trust visited Byappanahalli, Kolar Taluk & district, held detailed interactions with all the selected 25 farmers egarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-econoimic status of the farmer and marketing net work. Based on these parameters and the opinion of the farmes and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applicatioins on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pumpset, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facililtate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Traditionally, Kolar is a dry district with very low rainfall of 500 mm. Soils are mostly red sandy loam to mediujm black with low fertility. Soil organic carbon is very poor which is < 0.5% in most of the area. Although the rainfall is low with almost zero surface irrigation and poor soils, the farmers suicides and migation to uran areas is almost negligible as compared to many other districts where there is plenty of irrigation potential. This is mainly because the armers are adopting the built in IFS model with dairy and sericulture. The district is also known for silk and milk apart from mango, tomato and other vegetables. Inspite of least surface irrigation, the farmers depend on borewells for irrigation. Bore wells in the recent times have crossed 1800 feet depth, but invariably, the farmers adopt micro irrigation system to achieve higher water use efficiency. The field crops such as ragi, groundnut, pulses, maize are also grown for food and fodder. But major concentration of every farmer is on dairying, sheep/goat, sericulture and horticulture. The average area ranges from 1.0 acre to 15.0 acres. Further, the income ranges from Rs.12,000/- to Rs.24,24,100/-. There is wise range in both land holding size and annual income which is mainly because of failure of bore wells, electricity for only 3 hours and many other socio-economic factors.

It is, in this background, efforts have been made to discuss with each farmer, understand his socio-economic problems and recommendations were given to adopt scientific IFS model through which his income level could be enhanced. Further, in the meeting with Joint Director

of Agriculture and other district level officers, the request of farmers was highlighted, wherein all officers agreed to consider their applicatioins for subsidy/incentives/loan on priority. KVK scientists agreed to facilitate these farmes to submit their applications to concerned departments besides extending technological innovations.

By adoption of the new set of recommendations, the average income of farmers increased from Rs.2,18,000/- to Rs.31,00,000/-. The spectacular increase income was due to adoption of scientific IFS model which will improve soil fertility status, rejuvenate bore wells, effective rainwater harvesting and utilization, systematic forecasting of market prices.

In the ultimate analysis, we have suggested end to end solutions to each farmer and these recommendations are followed up by the KVK, KOlar to achieve the target envisaged in the IFS model of each farmer.

11. Farmer wise IFS models of Jakkaldinni village, Raichur district

1. Name of the Farmer: Devamma (2.0+6.0Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.0	16	4700	75200	40000	35200
Sorghum	1.0	5	1900	9500	2400	7100
Chilli	5.0	12	5300	63600	250000	-186400
Total				**148300**	**292400**	**-144100**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton(I)	3.5	30000		105000	210000
Maize (I)	0.5	20000		10000	20000
Okra (I)	2.0	40000		80000	160000
Brinjal (I)	2.0	40000		80000	160000
Bengal gram (D)- R + Rabi jowar (D) - R	4.5	20000		90000	180000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit -1 unit		15000	15000	5000	20000
Border plants (drum stick, Hebbevu etc), (At the end of 6th year)	6.0	2000	12000		150000
Micro irrigation with stored water	1.0	30000	30000		
Livestock/ animal component					
CB cows – 1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Total			**154500**	**405000**	**1010000**

2. Name of the Farmer: Nagappa (2.0+2.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Sorghum	2.0	15	1950	29250	12800	16450
Chilli	2.0	12	5300	63600	40000	23600
Sheep	2	70	230	16100	3000	13100
Total				**108950**	**55800**	**53150**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton(I)	2.0	30000		60000	120000
Okra (I)	1.0	40000		40000	80000
Brinjal (I)	1.0	40000		40000	80000
Bengal gram (D) –R + Rabi jowar (D) – R	2.0	20000		40000	80000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Compost /vermicompost unit-1		15000	15000	5000	20000
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	2.0	2000	4000		50000
Micro irrigation with stored water	1.0	30000	30000		
Livestock					
Sheep- 20+ 2		30000	60000	50000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**132300**	**235800**	**583000**

3. Name of the farmer: Erappa (4.0+20.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	6.0	44	4500-5200	198000	168000	30000
Chilli	16.0	30	2000	60000	768000	-708000
Total				**258000**	**936000**	**-678000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton	9.0	30000		27000	540000
Maize (I)	1.0	20000		20000	40000
Okra (I)	4.0	40000		160000	320000
Brinjal (I)	2.5	40000		100000	200000
Green chillies (I)	7.5	40000		300000	600000
Bengal gram (D)- R + Rabi jowar (D) -R	7.5	20000		144000	288000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit-1		15000	15000	5000	20000
Micro irrigation with stored water	1.0	30000	30000		
Silage unit-1 unit under MGNREGA					
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	15.0	2000	30000		375000
Livestock / animal component					
Crossbred Cows-2		45000	90000	40000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Sheep 20+2		30000	60000	50000	150000
Buffaloe -1		30000	30000	15000	35000
Total			**288300**	**861800**	**2721000**

4. Name of the Farmer: Jayaraj (2.0+30.0Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs**.**

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	12.0	120	5300	636000	360000	276000
Sorghum	2.0	18	1950	35100	24000	11100
Chilli	10.	80	2000	160000	500000	-340000
Paddy	8.0	200	1600	320000	240000	80000
Total				**1151100**	**1124000**	**27100**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Paddy (I)	4.0	20000		80000	160000
Cotton(I)	12.0	30000		360000	600000
Maize (I)	5.0	20000		100000	200000
Okra(I)	6.0	40000		240000	480000
Brinjal (I)	5.0	40000		200000	400000
Bengal gram(D)- R+ Rabi jowar (D) –R	16.0	20000		320000	640000
Leafy vegetables –R	4.0	40000		160000	320000
Additional suggestions					
Farm pond 10M X 10 M X 3 M		22500	22500		
Vermi-compost unit-1		15000	15000	5000	20000
Silage unit -1 unit under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	25.0	2000	50000		625000
Livestock/ animal component					
Crossbred Cows-2		45000	90000	40000	150000
Local cow (existing) – 1				10000	30000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**408300**	**1515800**	**3628000**

5. Name of the Farmer:Hanumanti (3.5+12.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	10.0	150	4200	630000	270200	359800
Chilli	8.0	160	2000	320000	560000	-240000
Cows	2	1220	35	42700	21900	20800
Total				**992700**	**852100**	**140600**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton(I)	3.5	30000		105000	210000
Okra(I)	2.5	40000		100000	200000
Capsicum(I)	4.5	40000		180000	360000
Maize(I)	1.0	20000		20000	40000
Redgram (I)	4.5	20000		90000	180000
Bengal gram (D) + Rabi jowar (D)	7.5	20000		150000	300000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	12.0	2000	24000		300000
Silage unit -1 under MGNREGA					
Livestock/animal component					
Sheep 20+2		30000	60000	50000	150000
Local cow (existing) -2				20000	60000
Buffaloe- 1		30000	30000	15000	35000
Total			**191500**	**735000**	**1855000**

6. Name of the Farmer:Mallikarjuna.B (4.0 +25 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	36	4500	162000	83200	78800
Chilli	15.0	45	1500	67500	210000	-142500
Jowar	3.0	30	1900	57000	36000	21000
Bengalgram	2.0	6	4000	24000	16000	8000
Cows	18	10980	35	384300	197100	187200
Buffaloe	2	1220	45	54900	21900	33000
Total				**749700**	**564200**	**185500**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	16.0	30000		480000	960000
Capsicum(I)	5.0	40000		200000	400000
Maize (I)	2.0	20000		40000	80000
Paddy (I)	4.0	20000		80000	160000
Jowar (D)	1.5	20000		30000	60000
Red gram (D)	4.0	20000		80000	160000
Bengal gram (D)+ Rabi jowar(D)	12.5	20000		250000	500000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost		15000	15000	5000	20000
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	25.0	2000	50000		625000
Micro irrigation using stored water	1.0	30000	30000		
Silage unit -1 under MGNREGA					
Livestock					
Crossbred Cows-1 +existing- 18		45000	45000	208000	393500
Sheep- 20+ 2		30000	60000	50000	150000
Total			**232500**	**1423000**	**3508500**

7. Name of the Farmer: Amaresh (5.0+10.0Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	50	4500	225000	100000	125000
Chilli	10.0	60	1700	102000	600000	-498000
Total				**327000**	**700000**	**-373000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	5.0	30000		150000	300000
Capsicum(I)	4.0	40000		160000	320000
Maize (I)	1.0	20000		20000	40000
Brinjal(I)	2.5	40000		100000	200000
French bean (I)	2.5	40000		100000	200000
Bengal gram (D)+ Rabi jowar(D)	5.0	20000		100000	200000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi-compost unit-1 under MGNREGA		15000	15000	5000	20000
Silage unit -1 under MGNREGA					
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	20000		250000
Livestock/animal component					
Crossbred Cows-2		45000	90000	40000	150000
Rams 10		30000	30000	25000	75000
Sheep 20+2		30000	60000	50000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**278300**	**750800**	**1908000**

8.Name of the farmers Channabasava (5.0+6.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	40	4500	208000	80000	128000
Sorghum	1.0	8	2000	16000	10000	6000
Bengalgram	3.0	12	7100	85200	48000	37200
Total				**309200**	**138000**	**171200**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	4.0	30000		120000	240000
Chillies(I)	2.0	40000		80000	160000
Paddy (I)	5.0	20000		100000	200000
Leafy vegetables (I)- R	2.5	40000		100000	200000
Rabi jowar(D)+ Bengal Gram (D) -R	4.5	20000		90000	180000
Additional suggestions					
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi-compost unit under MGNREGA		15000	15000		
Silage unit -1 under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6^{th} year)	8.0	2000	16000		200000
Livestock					
Crossbred Cows-1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**369300**	**525800**	**1293000**

9. Name of the Farmer : Karnappa (6.0+12.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	7.0	60	4500	270000	140000	130000
Chilli	6.0	20	1700	34000	120000	-86000
Cows	1		35	21350	9150	12200
Sheep	4	140	230	32200	25650	6550
Total				**357550**	**294800**	**62750**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	12.0	30000		360000	720000
Chillies (I)	5.0	40000		200000	400000
Red gram (D)	2.0	2000		40000	80000
Bengal gram (D)-R+ Rabi jowar(D)-R	5.0	2000		100000	200000
Additional suggestions					
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi-compost unit-1 under MGNREGA		15000	15000	5000	20000
Silage unit- 1 under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	20000		250000
Livestock/ animal component					
Crossbred Cows-2		45000	90000	40000	150000
Local cow -1 (existing)				10000	30000
Backyard Poultry - 10 + 1		800	800	800	3000
Goats10+1		30000	30000	25000	75000
Sheep existing-4				15000	35000
Total			**418300**	**795800**	**1963000**

10. Name of the Farmer :Gangappa (2.0+13.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs**.**

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	40	4500	180000	170000	10000
Chilli	6.0	18	2000	36000	360000	-324000
Jowar	7.5	8	2000	16000	51000	-35000
Total				**232000**	**581000**	**-349000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	4.0	30000		120000	240000
Capsicum (I)	2.5	40000		100000	200000
Bhendi (I)	2.0	40000		80000	160000
Brinjal (I)	1.5	40000		60000	120000
Red gram (D)	5.0	20000		100000	200000
Bengal gram (D)-R	3.5	20000		70000	140000
Rabi jowar(D)-R	2.5	20000		40000	80000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit-1		15000	15000	5000	20000
Silage unit -1 under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	20000		250000
Livestock/animal component					
Crossbred Cows-1		45000	45000	20000	75000
Sheep 20+1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**363300**	**620800**	**1563000**

11. Name of the farmer Shankar goud (4.0 +8.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	50	4500	225000	150000	75000
Chilli	5.0	25	2000	50000	200000	-150000
Bengalgram	2.0	12	7000	84000	32000	52000
Cow	2	1220	35	42700	21900	20800
Total				**401700**	**403900**	**-2200**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	8.0	30000		240000	400000
Chillies(I)	2.0	40000		80000	160000
Paddy (I)	2.0	20000		40000	80000
Bengal gram (D)-R + Rabi jowar(D)-R	4.0	20000		80000	160000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Silage unit- 1		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	8.0	2000	16000		200000
Livestock					
Crossbred Cows-1		45000	45000	20000	75000
Local cows (existing) -2				20000	60000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**339300**	**485800**	**1158000**

12 Name of the farmer Devraj (6.0 +3.0)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	6.0	65	5000	325000	144000	181000
Chilli	3.0	9	7500	67500	96000	-28500
Total				**392500**	**240000**	**152500**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	5.0	30000		150000	300000
Chillies (I)	0.5	40000		20000	40000
Red gram(D)	2.0	20000		40000	80000
Brinjal(I)	1.5	40000		60000	120000
Bengal gram (D) + Rabi jowar(D)	2.0	20000		40000	80000
Additional suggestions					
Farm pond 12 M X 12 M X 3 M		32500	32500		
Vermi compost unit -1		15000	15000	5000	20000
Silage unit- 1 under MGNREGA		200000	200000		
Micro irrigation using stored	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	6.0	2000	12000		150000
Livestock					
Crossbred Cows-1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**365300**	**350800**	**903000**

13.Name of the farmer Vishwanatha Reddy (8.00Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	60	4500	270000	60000	210000
Chilli	6.0	48	5000	240000	80000	160000
Total				**510000**	**140000**	**370000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	4.00	30000		120000	240000
Bengal gram (D)	2.00	20000		40000	80000
Chillies (I)	3.0	40000		120000	240000
Rabi jowar(D)-R	5.0	20000		100000	200000
Additional suggestions					
Farm pond 15 M X 15 M X 3 M		32500	32500		
Compost/ vermin compost unit		15000	15000	5000	20000
Silage unit- 1under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	6.0	2000	12000		150000
Livestock/animal component					
Crossbred Cows-1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**365300**	**420800**	**1043000**

14. Name of the Farmer Sharan goud (29.0+2.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	7.0	12	4500	5400	140000	-134600
Sorghum	12.0	89	1950	173550	68400	105150
Bengalgram	8.0	40	6700	268000	44100	223900
Buffaloe	1		45	27450	9150	18300
Total				**474400**	**261650**	**212750**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	12.0	30000		360000	720000
Paddy (I)	13.0	20000		260000	520000
Okra (I)	2.5	40000		100000	200000
Maize (I)	3.5	20000		70000	140000
Bengal gram (D)-R+ Rabi jowar(D)-R	11.5	20000		230000	460000
Additional suggestions					
Farm pond 15 M X 15 M X 3 M - 2 units		32500	65000		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Silage unit - under MGNREGA		200000	200000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	25.0	2000	50000		625000
Livestock					
Crossbred Cows-2		45000	90000	40000	150000
Buffaloe -1(existing)				15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**450800**	**1080800**	**2873000**

15. Name of the farmer: Ramesh (2.0 +5.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	10	5200	52000	130000	-78000
Chilli	2.0	8	5000	40000	100000	-60000
Total				**92000**	**230000**	**-138000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	2.0	30000		60000	120000
Maize (I)	2.5	20000		50000	100000
Red gram (I)	2.5	20000		50000	100000
Bengal gram (D)-R+ Rabi jowar(D)-R	2.0	20000		40000	80000
Additional suggestions					
Farm pond 10 M X 10M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	5.0	2000	10000		125000
Livestock/animal components					
Crossbred Cows-1		45000	45000	20000	75000
Rams - 10		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**153300**	**250800**	**698000**

16. Name of the Farmer : Channa basamma (2.0 +6.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	50	5400	270000	150000	120000
Chilli	3.0	18	4300	77400	180000	-102600
Total				**347400**	**330000**	**17400**

Proposed Model:

Area : Ac, Amount : Rs

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	4.0	30000		120000	240000
Chillies (I)	1.0	40000		40000	80000
Redgram (D)	3.0	20000		60000	120000
Bengal gram (D)-R+ Rabi jowar(D)-R	3.0	20000		60000	120000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	6.0	2000	12000		150000
Livestock/animal components					
Crossbred Cows-1		45000	45000	20000	75000
Sheep 20+2		30000	60000	50000	150000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**185300**	**355800**	**958000**

17.Name of the farmer : Basamma (3.0+5.0Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	32	5300	169600	104000	65600
Chilli	4.0	20	5000	100000	160000	-60000
Jowar	1.0	9	1950	17550	15000	2550
Total				**287150**	**279000**	**8150**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	5.0	30000		150000	300000
Okra (I)	1.5	40000		60000	120000
Maize (I)	1.5	20000		30000	60000
Bengal gram (D)-R	1.5	20000		30000	60000
Rabi jowar(D)-R	1.5	20000		30000	60000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	5.0	2000	10000		125000
Livestock					
Crossbred Cows-1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Goats 20+2		30000	60000	50000	150000
Total			**213300**	**390800**	**1008000**

18. Name of the Farmer: Shivarama Reddy (13 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	10.0	50	5600	280000	200000	80000
Sorghum	3.0	15	3100	46500	6000	40500
Chilli	4.0	60	3600	216000	200000	16000
Redgram	3.0	11	5500	60500	15000	45500
Total				**603000**	**421000**	**182000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	6.0	30000		180000	360000
Paddy (I)	2.0	20000		40000	80000
Brinjal (I)	1.5	40000		60000	120000
Bhendi (I)	1.5	40000		60000	120000
Chillies(I)	2.0	40000		80000	160000
Red gram (D)	4.0	20000		80000	160000
Bengal gram (D)-R + Rabi jowar(D)-R	6.0	20000		120000	240000
Additional suggestions					
Farm pond 15 M X 15 M X 3 M		32500	32500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Silage unit -1under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	20000		250000
Livestock/animal components					
Cross bred Cows-1		45000	45000	20000	75000
Buffaloe -1		30000	30000	15000	35000
Backyard Poultry - 10 + 1		800	800	800	3000
Total			**373300**	**660800**	**1623000**

19. Name of the Farmer : Mallayya (2.0 + 6.0 Ac)

Existing Model:

Area : Ha, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	6.0	48	4500	216000	120000	96000
Sorghum	1.0	6	1950	11700	7000	4700
Buffaloe	4	2440	45	109800	43800	66000
TOTAL				**337500**	**170800**	**166700**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	3.0	30000		90000	180000
Paddy (I)	1.0	20000		20000	40000
Okra (I)	1.0	40000		40000	80000
Maize (I)	4.0	20000		80000	160000
Brinjal(I)	1.0	40000		40000	80000
Red gram (D)	3.0	20000		60000	120000
Bengal gram (D) + Rabi jowar(D)	3.0	20000		60000	120000
Additional suggestions					
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	12000		150000
Livestock/animal component					
Crossbred Cows-1		45000	45000	20000	75000
Buffaloe (existing) -4				60000	140000
Backyard Poultry - 10+ 1		800	800	800	3000
Total			**72800**	**475800**	**1168000**

20. Name of the farmer: Ambaresh (3.08 + 8.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production : qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	20	4500	90000	35840	54160
Sorghum	3.0	18	1800	32400	4524	27876
Chilli	2.0	7	3000	21000	8800	12200
Bengalgram	1.0	6	4800	28800	3600	25200
Buffaloe	6		45	27450	9150	18300
Sheep	2	70	230	16100	9550	6550
Total				**215750**	**71464**	**144286**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	2.0	30000		60000	120000
Chillies (I)	1.0	40000		40000	80000
Paddy (I)	2.0	20000		40000	80000
Brinjal(I)	1.0	40000		40000	80000
Red gram (D)	2.0	20000		40000	80000
Bengal gram (D)-R + Rabi jowar(D)-R	7.0	20000		140000	280000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Silage unit -1 under MGNREGA		200000	200000		
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	8.0	2000	16000		200000
Livestock/ live stock					
Cross bred Cows-1,		45000	45000	20000	75000
Buffaloe -1- existing 6		30000	30000	105000	245000
Sheep – 20+2 besides existing -2		30000	60000	50000	150000
Backyard Poultry - 20+ 1, (+22 birds existing)		800	1600	3200	12000
Total			**420100**	**543200**	**1422000**

21. Name of the Farmer :Amaresh (3.04 + 7.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	6.0	25	4500	112500	120000	7500
Chilli	4.0	16	2000	32000	112000	-42000
Sheep& Goat	4	140	230	55200	1500	6550
				199700	**233500**	**-27950**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	5.0	30000		15000	300000
Chillies (I)	2.5	40000		100000	200000
Maize (I)	1.5	20000		30000	60000
Brinjal(I)	1.0	40000		40000	80000
Bengal gram (D)-R	2.5	20000		50000	100000
Rabi jowar(D)-R	2.5	20000		50000	100000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Micro irrigation using stored water	1.0	30000	30000		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	8.0	2000	16000		200000
Livestock					
Crossbred Cows-1		45000	45000	20000	75000
Sheep – 20+2 besides existing -4		30000	60000	54000	165000
Backyard Poultry - 20+ 1, (+25 birds existing)		800	1600	3200	12000
Total			**190100**	**367200**	**1312000**

22. Name of the Farmer: Suresh (2.0 +16.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	8.0	60	4500	270000	120000	150000
Chilli	8.0	80	3000	240000	480000	-240000
Total				**510000**	**600000**	**-90000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	8.0	30000		240000	480000
Chillies (I)	8.0	40000		320000	640000
Maize (I)	2.0	20000		40000	80000
Bengal gram (D)-R + Rabi jowar(D)-R	8.0	20000		160000	320000
Additional suggestions					
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	10.0	2000	20000		250000
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Silage unit -1 under MGNREGA		200000	200000		
Farm pond 10 M X 10 M X 3 M		22500	22500		
Micro irrigation using stored water	1.0	30000	30000		
Live stock/Animal component					
Goats 20+2		30000	60000	50000	150000
Backyard Poultry - 10+ 1		800	800	800	3000
Total			**348300**	**815800**	**1943000**

23 Name of the Farmer : Mallayya K (2.0+4.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	2.0	26	4500	117000	40000	77000
Chilli	4.0	36	4300	154800	280000	-125200
Cow	1	610	35	21350	9150	12200
Sheep/Goat	6	210	230	48300	1500	6550
Total				**341450**	**330650**	**-29450**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	3.5	30000		105000	210000
Chillies (I)	2.0	40000		80000	160000
Maize (I)	0.5	20000		10000	20000
Bengal gram (D)-R + Rabi jowar(D)-R	6.0	20000		120000	240000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	4.0	2000	8000		100000
Livestock/ animal component					
Local cow-1 (existing)				10000	30000
Crossbred Cows-1		45000	45000	20000	75000
Rams – 10 (+ 2 already existing)		30000	30000	25000	80000
Backyard Poultry - 10+ 1		800	800	800	3000
Total			**151300**	**375800**	**938000**

24. Name of the Farmer :Mallikarjuna.M (2.0+4.0Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	4.0	60	5300	318000	160000	158000
Chilli	2.0	10	2300	23000	100000	-77000
Total				**341000**	**260000**	**81000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	3.5	30000		105000	210000
Chillies (I)	2.0	40000		80000	160000
Maize (I)	0.5	20000		10000	20000
Bengal gram (D)-R + Rabi jowar(D)-R	6.0	20000		120000	240000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	4.0	2000	8000		100000
Livestock/ animal component					
Crossbred Cows-1		45000	45000	20000	75000
Backyard Poultry - 10+ 1		800	800	800	3000
Total			**121300**	**340800**	**828000**

25. Name of the Farmer : Lingappa (4.0 + 6.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Cotton	5.0	20	4500	90000	100000	-10000
Chilli	3.0	9	5000	45000	162000	-117000
Total				**135000**	**262000**	**-127000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Area	Unit cost	Investment		Income
			Initial	Annual	
Cotton (I)	5.0	30000		150000	300000
Brinjal (I)	2.0	40000		80000	160000
Redgram (D)	3.0	20000		60000	120000
Bengal gram (D) + Rabi jowar(D)	2.0	20000		40000	80000
Additional suggestions					
Farm pond 10 M X 10 M X 3 M		22500	22500		
Vermi compost unit under MGNREGA		15000	15000	5000	20000
Micro irrigation using stored water	1.0	30000	30000		
Border plants (drum stick, Hebbevu etc) (At the end of 6th year)	6.0	2000	12000		150000
Livestock/ animal component					
Buffaloes-2		30000	60000	30000	70000
Backyard Poultry - 10+ 1		800	800	800	3000
Total			**140300**	**365800**	**903000**

Abstract of IFS models of Jakkaladinni village in Manvi taluk, Raichur district

Amount in Rupees

Sl. No.	Name	Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	Devamma	154500	405500	148300	1010000
2	Nagappa	132300	235800	108950	583000
3	Erappa	288300	861800	258000	2721000
4	Jayaraj	408300	1515800	1151100	3628000
5	Hanumanthi	191500	735000	992700	1855000
6	Mallikarjuna.B	232500	1423000	749700	3508500
7	Amaresh	278300	750800	327000	1908000
8	Channabasappa	369300	525800	309200	1293000
9	Karnappa	418300	795800	357550	1963000
10	Gangappa	363300	630800	232000	1563000
11	Shankar goud	339300	485800	401700	1158000
12	Devraj	365300	350800	392500	903000
13	Vishwanath Reddy	365300	420800	510000	1043000
14	Sharan goud	450800	1080800	474400	2873000
15	Ramesh	153300	250800	92000	698000
16	Channabasamma	185300	355800	347400	958000
17	Basamma	213300	390800	287150	1008000
18	Shivaram Reddy	373300	660800	603000	1623000
19	Mallayya,M	72800	475800	337500	1168000
20	Ambaresh	420100	543200	215750	1422000
21	Amaresh	190100	367200	199700	1312000
22	Suresh	348300	815800	510000	1943000
23	Mallayya.K.	151300	375800	341450	938000
24	Mallikarjuna.M	121300	340800	341000	828000
25	Lingappa	140300	365800	135000	903000
	Total	**6726700**	**15160900**	**9823050**	**38810500**

Potentials of improvement in Integrated Farming Systems of Jakkaladinni village in Manvi taluk, Raichur district

The expert team of PLUS Trust visited Jakkaladinni village in Manvi taluk, Raichur district, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing network. Based on these parameters and the opinion of the farmers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pump set, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead bank Managers assured for extending loans on priority to all eligible farmers. The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Rraichur district is located in the centre of Hyderabad-Karnataka area, famous for high temperature upto 45^0 C and deep black soils. Major crop being cotton, but gets irrigation from Tungabhadra left bank canal in Sindhanur, Manvi and Raichur taluks. Paddy is also grown in canal irrigated area. The annual rainfall ranges from 550 to 700 mm and is classified as northern dry zone. The University of Agricultural Sciences, Raichur provides technological innovations to the farmers.

The expert team of PLUS Trust visited Jakkala dinni village, Manvi taluk, Raichur district along with the KVK Scientists, Officers of line departments and lead bank manager. All the 25 farmers selected for IFS models were present. Each farmer was invited for discussions, wherein he explained the present system of cultivation, crops grown, income level in his farm. The expert team suggested new IFS Model for each farmer, wherein all novel components were recommended. The average land holding ranged from 2.0 to 29 acres. Further, all the farmers, KVK Scientists, PLUS Trust expert team had a meeting with Joint Director of Agriculture and all other officers of line departments including NABARD and lead

Bank Manager participated in the meeting. The officers agreed to consider all applications of these 25 farmers on priority for giving subsidy/incentive/loans. The KVK scientists were informed to facilitate the submission of applications by the farmers to the concerned departments.

The present average income ranged from Rs.92,000.00 to 11,51,100.00, however, the new IFS Model after its implementation the income level ranged from Rs.5,83,000.00 to Rs.35,08,500.00. There will be spectacular progress in maintaining soil health and also farmer's income level.

In the ultimate analysis, the PLUS Trust team has suggested end to end solutions to each farmer and these recommendations are being followed up by the concerned KVK to achieve the envisaged target.

12. IFS project, Hulukatte Koppa Village, TipturTq, Tumkur District

1. Name of the farmer: Arun.H.D. –6.1 Ac (3.3Ac Irri))

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	3.75	18	8000	144000	82950	61050
Arecanut	3.75	32.25	33500	580375	48750	531625
Fodder Maize	1.0	80	600	48000	2720	45280
Napier	0.35	36	500	18000	975	17025
Ragi	0.75	2.25	2200	44000	12000	32000
Greengram	1.75	7	5200	36400	8050	28350
Redgram	0.75	2.25	5300	11925	4350	7575
Buffaloes	3	1350	27	109350	96900	12450
Total				**992050**	**256695**	**735355**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	**3.75**				
Arecanut		50000		150000	600000
Coconut		25000		40000	75000
Ragi+Avare/Redgram/Urd/Greengram	1.5	20000		30000	60000
Redgram+Greengram	1.25	20000		25000	50000
Redgram+fodder maize	1.0	20000		20000	40000
Livestock					
Crossbred Cows- 2+1		45000	135000	60000	225000
Buffaloe-2		30000	60000	30000	70000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Rotovator		40000	40000		
Planting of border trees-Hebbevu, Silver Oak,/Teak (Income at the end of sixth year)	5.0	2000	10000		125000
Farm Pond-15M X 15M X 3 M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Total			**353300**	**385800**	**1343000**

2. Name of the farmer: Indiresh.H.S. –2.0 Ac (0.75Ac Irri)

Existing Model:

Area : Ac, Milk :Lts/yr, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut (Irri.)	0.75	3.6	8000	28800	16620	12180
Chrysanthemum	0.30	18	5000	90000	33840	56160
Coconut	1.25	5.5	8000	44000	26300	17700
Total				**162800**	**76760**	**86040**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Pulses/Vegetables/	1.25	40000		50000	75000
Coconut+Pepper /Chrysanthemum	0.75	40000	12000	30000	55000
Fodder block-Napier/Maize+Legumes	0.25	40000	10000	6000	20000
Livestock					
Crossbred Cows- 2+1		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 +1		800	800	800	3000
Additional suggestions					
Drip Irrigation	1.0	40000	40000		
Vermi Compost Unit		15000	15000	5000	20000
Farm Pond -10M X 10M X 3 M		22500	22500		
Total			**265300**	**176800**	**473000**

3. Name of the farmer: Kumar.H.M. -4.0Ac (Irri2.0 Ac)

Existing Model:

Area :Ac, Milk :Lts/yr, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	2.0	9.6	8000	76800	44000	32800
Arecanut	2.0	17.2	33500	376200	26000	350200
Ragi	2.0	16	2200	35200	9600	25600
Napier	0.30	28.8	500	14400	780	13620
Greengram	1.5	6	5200	31200	6960	24240
Redgram	0.5	1.5	5300	7950	2700	5250
CB Cows	1	5400	27	191600	87000	104600
Total				**733350**	**177040**	**556310**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	2.0				
Arecanut		50000		50000	425000
Coconut		40000		40000	50000
Ragi+Redgram+Aware+Urd	2.0	20000		40000	80000
Fodder-Napier+legumes	0.05	40000		3000	10000
Livestock					
Crossbred Cows- 2+1		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Mini Tractor		300000	300000		
Drip Irrigation	1.0	30000	30000		
Farm Pond - 12Mx12Mx3M		32500	32500		
Vermi Compost Unit		15000	15000	5000	20000
Pack House		400000	400000		
Total			**943300**	**223800**	**888000**

4. Name of the farmer: Lohith -3.75 Ac (1.5 Ac Irri)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.5	7.2	8000	57600	33630	23970
Coconut (irri.)	1.5	8.1	8000	64800	31380	33420
Arecanut	1.5	12.6	33500	322100	195900	126200
Napier	0.25	24	500	12000	685	11315
Ragi	0.75	6	2200	13200	3750	9450
Greengram	0.75	3	5200	15600	3555	12045
Cows (local)	3	1620	27	131220	76800	54420
Total				**616520**	**345700**	**270820**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	**2.2**				
Arecanut		50000		100000	350000
Coconut		40000		40000	55000
Redgram+Blackgram/Greengram	0.3	20000		15000	30000
Ragi+Avare/Groundnut	1.2	20000		30000	60000
Livestock					
Cows– 2+1		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Fish rearing		6000	6000	40000	25000
Additional suggestions					
Mini tractor		300000	300000		
Cultivator		15000	15000		
Rotavator		40000	40000		
Pack House		400000	400000		
Drip Irrigation	1.0	30000	30000		
Farm Pond –12Mx12Mx3M		32500	32500		
Vermi Compost		15000	15000	5000	20000
Border tree planting-Hebbevu, Silver Oak, Teak (Income at the end of sixth year)	3.0	2000	6000		75000
Total			**1010300**	**315800**	**918000**

5. Name of the farmer: Lokesh.P.S-8.75 Ac (Irri. 5.0 Ac)

Existing Model: Area : Ac, Milk :Lts, Production :qtls,Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	5.0	24	8000	102000	60600	81400
Arecanut	5.0	43	33500	840500	65000	675500
Napier	0.5	48	500	24000	1300	22700
Ragi	3.75	30	2200	66000	18000	48000
Greengram	2.5	10	5200	52000	11500	40500
Redgram	1.25	3.75	5300	19875	6900	12975
Cows (local)	2	1620	27	87480	61200	26280
Total				**1191855**	**224500**	**867355**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	5.0				
Arecanut		50000		200000	900000
Coconut		40000		40000	80000
Ragi+Avare	2.5	20000		50000	90000
Redgram+Greengram+Groundnut	2.5	20000		50000	90000
Fodder-Napier/Maize+legume	0.5	40000	20000	12000	40000
Livestock					
Cows –2+1		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Backyard Poultry - 10 + 1		800	800	800	3000
Additional suggestions					
Rotovator		40000	40000		
Arecanutdehusker		100000	100000		
Pack House		400000	400000		
Poly house- 1000 M^2		840000	840000		
Drip Irrigation	1.0	30000	30000		
Farm Pond –21Mx21Mx3M		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting-Hebbevu, Silver Oak, Teak(Income at the end of sixth year)	6.0	2000	12000		150000
Total			**1722800**	**442800**	**1673000**

6. Name of the farmer: Madhu.K.S. -3.25 Ac (Irri. 1.25 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut (irri.)	0.75	3.6	8000	28800	16590	12210
Napier	0.25	24	500	12000	660	11340
Coconut	1.25	55	8000	44000	25050	18950
Cows Cross bred	2	5400	27	121600	67200	54400
Total				**206400**	**109500**	**96900**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Pepper	1.25	40000		50000	65000
Coconut+Legumes	2.0	40000		80000	75000
Fodder-Napier	0.5	40000	20000	12000	40000
Ragi+Redgram/Avare	0.75	20000		15000	30000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Farm Pond- 15Mx15Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting-Hebbevu, Silver Oak, Teak(Income at the end of sixth year)	3.0	2000	6000		75000
Cows Cross bred-existing				60000	150000
Total			**103500**	**222000**	**455000**

7. Name of the farmer: Manjunath.H.G.-3.0 Ac(Irri1.1 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut (Irri.)	1.25	6	8000	48000	27650	20350
Coconut	1.75	7.7	8000	61600	35140	26460
Gerenium	0.1	8	3000	24000	2560	21440
Total				**133600**	**65350**	**68250**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Pepper+Medicinal plants	1.25	40000		45000	60000
Coconut+Legumes-Greengram/Cowpea/Sunhemp	1.75	40000		65000	90000
Gerenium	0.25	40000		10000	25000
Fodder-Napier/Maize	0.25	40000	20000	6000	20000
Livestock					
Cows -2+1		45000	135000	60000	225000
Sheep- 10+ 1		30000	30000	25000	75000
Additional suggestions					
Rotovator		40000	40000		
Drip Irrigation	1.0	30000	30000		
Farm Pond –12Mx12Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Total			**302500**	**216000**	**515000**

8. Name of the farmer: Madhukar.H.M. -5.0 Ac (Irri. 3.75 Ac)

Existing Model: Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	5.0	25	8000	200000	110400	89600
Arecanut	5.0	43	33500	840500	65000	775500
Chrysanthimum	0.5	24	5000	120000	1300	118700
Gerenium	0.35	12	3000	36000	3975	32025
Napier	0.25	24	500	12000	650	11350
Fodder maize	0.25	20	600	12000	680	11320
Ragi	1.25	10	2200	22000	6000	16000
Greengram	0.75	3	5200	15600	3480	12120
Redgram	0.5	1.5	5300	7950	2960	4990
Cows Cross bred	2	5940	27	120760	99000	121760
Buffaloes	1	1080	27	29160	24200	4960
4960Total				**1415970**	**317645**	**1098325**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	**5.0**				
Coconut		40000		80000	150000
Arecanut		50000		200000	900000
Ragi+Avare/Greengram/Redgram	1.0	20000		20000	40000
Fodder block-Napier/Maize+ legumes	0.5	40000	20000	12000	40000
Gerenium	0.5	40000		20000	40000
Chrysanthemum	0.5	40000		20000	40000
Livestock					
Cows -4+2		45000	270000	120000	350000
Buffaloe -1		30000	30000	15000	35000
Sheep- 10+1		30000	30000	25000	75000
Backyard Poultry - 10+1		800	800	800	3000
Fish rearing		6000	6000	4000	25000
Additional suggestions					
Arecanutdehusker		100000	100000		
Chaff cutter		15000	15000		
Pack House		400000	400000		
Mini Tractor		300000	300000		
Drip Irrigation	1.0	30000	30000		

Farm Pond–12MX12MX3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree –Hebbevu, Silver Oak, Teak(Income at the end of sixth year)	3.0	2000	6000		75000
Total			**1255300**	**521800**	**1793000**

9. Name of the farmer: Manjunath.K.R. -2.25Ac (Irri1.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.0	4.8	8000	38400	22160	16240
Arecanut	1.0	8.4	33500	201400	12960	188440
Napier	0.25	24	500	12000	650	11350
Fodder maize	0.05	10	600	6000	340	5660
Ragi	1.25	10	2200	22000	6000	16000
Greengram	0.75	3	5200	15600	3420	12180
Redgram	0.5	1.5	5300	7950	2700	5250
Cow cross bred	1	5400	27	115800	43500	72300
Total				**419150**	**91730**	**327420**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.0				
Coconut		40000		20000	30000
Arecanut		50000		40000	200000
Ragi+Avare/Redgram	1.25	20000		25000	50000
Redgram+Fodder maize	0.5	20000		10000	20000
Fodder block-napier/Maize+Pulses	0.25	40000	10000	6000	25000
Livestock					
Cows– 1+1		45000	90000	40000	150000
Sheep – 10+1		30000	30000	25000	75000
Backyard Poultry - 10+1		800	800	800	3000
Additional suggestions					
Farm Pond – 10M x10M x3M		22500	22500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	2.0	2000	4000		50000
Total			**172300**	**171800**	**623000**

10. Name of the farmer: Nagesh.K.P.-2.2 Ac (Irri. 1.1 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.25	6	8000	48000	27800	20200
Arecanut	1.25	10.75	33500	200125	16250	183875
Napier	0.25	24	500	12000	650	11350
Fodder maize	0.05	10	600	6000	340	5660
Ragi	1.25	10	2200	22000	6250	15750
Greengram	0.75	3	5200	15600	3420	12180
Redgram	0.5	1.5	5300	7950	2700	5250
Cow cross bred	1	5400	27	105800	48600	57200
Total				**417475**	**106010**	**311465**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.25				
Coconut		40000		30000	30000
Arecanut		50000		45000	210000
Ragi+Avare/Redgram	1.25	20000		25000	40000
Fodder/Maize	0.25	40000	10000	6000	20000
Livestock					
Cows– 1+1		45000	90000	40000	150000
Goat – 10+1		30000	30000	25000	75000
Backyard Poultry -10+1		800	800	800	3000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Farm Pond – 12M x12M x3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Total			**208300**	**176800**	**548000**

11. Name of the farmer: Nagaraju.K.T.-2.5 Ac (Irri. 1.25 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.25	6	8000	48000	27650	20350
Napier	0.05	12	500	6000	325	5675
Fodder maize	0.5	40	600	24000	1360	22640
Ragi	1.25	10	2200	22000	6000	16000
Greengram	1.25	5	5200	26000	5750	20250
Cows cross bred	1	5400	27	105800	48500	57300
Total				**231800**	**89585**	**142215**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut	1.25	40000		30000	60000
Ragi+Avare/Greengram	1.25	20000		25000	50000
Fodder-Napier/Maize	0.25	40000	10000	6000	20000
Livestock					
Cows– 2+1		45000	90000	60000	225000
Goat – 10+1		30000	30000	25000	75000
Backyard Poultry -10+1		800	800	800	3000
Additional suggestions					
Mini tractor		300000	300000		
Cultivator		15000	15000		
Rotavator		40000	40000		
Farm Pond – 12M x12M x3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Total			**533300**	**151800**	**453000**

12. Name of the farmer: Nikil (3.25 Ac)

Existing Model: Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	2.5	12	8000	66000	55000	11000
Arecanut	2.5	21.5	33500	320250	30200	390050
Gerenium	0.35	12	3000	36000	3885	32115
Fodder maize	0.5	40	600	24000	1360	22640
Napier	0.30	28.8	500	14400	780	13620
Ragi	0.75	6	2200	13200	3750	9450
Greengram	0.75	3	5200	15600	3540	12060
Cows local	1	1620	27	43740	25500	18240
Cows cross bred	1	1350	27	36450	25800	10650
Total				**569640**	**149815**	**419825**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	2.5				
Coconut		40000		50000	75000
Arecanut		50000		60000	420000
Ragi+Avare/Redgram/Greengram	1.25	20000		25000	50000
Fodder-Napier/Maize	0.25	40000	10000	6000	20000
Livestock					
Cows– 3+1		45000	135000	80000	300000
Sheep – 10+1		30000	30000	25000	75000
Additional suggestions					
Mini tractor		300000	300000		
Cultivator		15000	15000		
Rotavator		40000	40000		
Drip irrigation	1.0	30000	30000		
Arecanutdehusker		100000	100000		
Farm Pond – 12Mx12Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	3.0	2000	6000		75000
Pack House		400000	400000		
Total			**1113500**	**251000**	**1035000**

13. Name of the farmer: Prakash.K.V.-8.00 Ac (Irri5.00 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	8.0	38.4	8000	207200	177280	29920
Arecanut	4.0	33.6	33500	825600	51840	773760
Fodder maize	0.25	20	600	12000	680	11320
Napier	0.25	24	500	12000	650	11350
Ragi	3.0	24	2200	52800	15000	37800
Greengram	1.0	10	5200	52000	11300	40700
Redgram	0.25	1.5	5300	7950	2640	5310
Cows cross bred	1	4860	27	101220	46800	54420
Buffaloes	1	1620	27	43740	29800	13940
Total				**1314510**	**335990**	**978520**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut	8.0	40000		120000	250000
Arecanut	4.0	50000		100000	830000
Ragi+Avare/Greengram/Redgram	1.25	20000		25000	50000
Fodder-Napier/Maize	0.5	40000	20000	12000	40000
Livestock					
Cows– 3+1		45000	135000	80000	300000
Additional suggestions					
Rotovator		40000	40000		
Chaff cutter		25000	25000		
Milking Machine					
Arecanutdehusker		100000	100000		
Farm Pond – 21Mx21Mx3M		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	6.0	2000	12000		150000
Pack House		400000	400000		
Total			**847000**	**342000**	**1640000**

14. Name of the farmer: Punith Kumar-3.5 Ac (Irri. 2.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.5	7.2	8000	57600	33000	24600
Arecanut	1.5	12.6	33500	222100	100600	121500
Ragi	1.5	12	2200	26400	7200	19200
Greengram	1.5	6	5200	31200	6930	24270
Redgram	0.5	1.5	5300	7950	2880	5070
Gerenium	0.25	8	3000	24000	2680	21320
Fodder maize	0.35	30	600	18000	975	17025
Cows local	1	1620	27	43740	29450	14290
Cows cross bred	1	4860	27	101220	41800	39420
Total				**532210**	**225515**	**306695**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.5				
Coconut		40000		35000	62000
Arecanut		50000		65000	250000
Ragi+Avare/Greengram	1.5	20000		30000	50000
Redgram+Blackgram	1.25	20000		25000	50000
Fodder-Napier/Maize	0.5	40000	20000	12000	40000
Livestock					
Cows– 1+2		45000	135000	60000	225000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Farm Pond– 15Mx15Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	3.0	2000	6000		75000
Total			**238500**	**232000**	**772000**

15. Name of the farmer: Prashanth.H.G-2.00 Ac (Irri. 0.3 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	0.75	3.6	8000	28800	16560	12240
Arecanut	0.75	0	0	0	0	0
Napier	0.20	11.5	500	5750	330	5420
Ragi	1.0	10	2200	22000	6250	15750
Greengram	0.75	3	5200	15600	3420	12180
Redgram	0.5	1.5	5300	7950	2900	5050
Cows cross bred	2	5400	27	191600	97000	94600
Total				**271700**	**126460**	**145240**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	0.75				
Coconut		40000		25000	35000
Arecanut		50000		45000	175000
Ragi+Avare/Greengram/Redgram	1.25	20000		25000	40000
Fodder block-Napier+legume	0.25	40000	10000	6000	20000
Livestock					
Cows– 2+2		45000	90000	80000	300000
Sheep Unit– 10+1		30000	30000	25000	75000
Backyard poultry– 10+1		800	800	800	3000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Farm Pond– 10Mx10Mx3M		22500	22500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	2.0	2000	4000		50000
Coconut harvester		10000	10000		
Total			**212300**	**211800**	**718000**

16. Name of the farmer: Ranganath – 2.00 Ac (Irri. 1.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.0	4.8	8000	38400	22160	16240
Arecanut	1.0	8.4	33500	201400	12960	188440
Fodder maize	0.5	40	600	24000	1360	22640
Napier grass	0.5	48	500	24000	1300	22700
Ragi	1.0	8	2200	17600	4920	12680
Greengram	0.5	2	5200	10400	2240	8160
Redgram	0.5	1.5	5300	7950	2680	5270
Cows cross bred	2	5420	27	191600	87200	104400
Total				**515350**	**134820**	**380530**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.0				
Coconut		40000		30000	40000
Arecanut		50000		45000	210000
Ragi+Greengram/Redgram	1.0	20000		20000	40000
Fodder block-Napier/ Maizer+pulses	0.5	40000	20000	12000	40000
Livestock					
Cows– 2+2		45000	90000	80000	300000
Sheep Unit – 10+1		30000	30000	25000	75000
Poultry – 50+5		24000	12000	8000	35000
Additional suggestions					
Drip Irrigation	1.0	30000	30000		
Farm Pond – 10Mx10Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	2.0	2000	4000		50000
Poultry shed		25000	25000		
Pack House		400000	400000		
Total			**658500**	**225000**	**810000**

17. Name of the farmer: Raghu K.S – 1.75 Ac

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.25	6	8000	48000	27800	20200
Ragi	0.5	4	2200	8800	2400	6400
Greengram	0.5	2	5200	10400	2300	8100
Cows cross bred	1	4860	27	101220	48900	52320
Total				**168420**	**81400**	**87020**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	**1.0**				
Coconut		40000		30000	40000
Arecanut		50000		45000	210000
Ragi+Greengram/Redgram	0.5	20000		10000	20000
Fodder block-Napier/Maize+Legume	0.25	40000	20000	12000	20000
Livestock					
Cows– 1+2		45000	90000	60000	225000
Sheep Unit – 10+1		30000	30000	25000	75000
Backyard poultry – 10+1		800	800	800	3000
Additional suggestions					
Farm Pond – 10Mx10Mx3M		22500	22500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	1.0	2000	2000		25000
Total			**180300**	**187800**	**638000**

18. Name of the farmer: Ranjith – 3.1 Ac(Irri. 2.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	2.0	9.6	8000	76800	44240	32560
Arecanut	2.0	17.2	33500	376200	26000	550200
Napier	0.5	48	500	24000	1300	22700
Ragi	1.25	10	2200	22000	6000	16000
Fodder maize	0.5	40	600	24000	1360	22640
Greengram	1.25	5	5200	26000	5800	20200
Buffaloes	2	1620	27	87480	59000	28480
Total				**636480**	**143700**	**492780**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	2.0				
Coconut		40000		55000	80000
Arecanut		50000		70000	400000
Ragi+Avare/Greengram/Redgram	1.25	20000		25000	40000
Fodder block-Napier/Maize+Pulses	0.25	40000	10000	6000	20000
Livestock					
Buffaloes -2+1		30000	30000	45000	155000
Additional suggestions					
Mini tractor		300000	300000		
Cultivator		15000	15000		
Rotovator		40000	40000		
Drip irrigation		30000	30000		
Homestead garden					
Farm Pond – 15Mx15Mx3M		32500	32500		
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	3.0	2000	6000		75000
Total			**478500**	**206000**	**790000**

19. Name of the farmer: Rangaswamy.K.N. – 2.00 Ac (Irri. 1.0 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls,Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.0	4.8	8000	38400	22120	16280
Arecanut	1.0	8.6	33500	208100	13000	195100
Napiergrass	0.02	4.8	500	2400	130	2270
Fodder maize	0.5	40	600	24000	1360	22640
Ragi	1.0	8	2200	17600	4800	12800
Greengram	1.0	4	5200	20800	4600	16200
Cows cross bred	2	5400	27	191600	95200	96400
Total				**502900**	**141210**	**361690**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.0				
Coconut		40000		30000	40000
Arecanut		50000		45000	210000
Ragi+Avare/Greengram/Redgram	1.0	20000		20000	40000
Fodder block-Napier/Maize+Pulses	0.25	40000	10000	60000	20000
Livestock					
Cows– 1+2		45000	45000	60000	225000
Sheep Unit– 10+1		30000	30000	25000	75000
Backyard poultry-10+1		800	800	800	3000
Additional suggestions					
Drip irrigation	1.0	30000	30000		
Mini tractor		300000	300000		
Cultivator		15000	15000		
Trailor		65000	65000		
Rotovator		40000	40000		
Vermi Compost unit		15000	15000	5000	20000
Farm Pond– 10Mx10Mx3M		22500	22500		
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	2.0	2000	4000		50000
Total			**577300**	**245800**	**683000**

20. Name of the farmer: Roopa.H.V. – 5.00 Ac (Irri. 3.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	3.0	14.4	8000	115200	66420	48780
Arecanut	3.0	0	0	0	0	0
Geranium leaf	0.35	12	3000	36000	3900	32100
Napier	0.30	24	500	12000	780	11220
Ragi	2.0	16	2200	35200	9600	25600
Greengram	1.0	4	5200	20800	4600	16200
Redgram	1.0	3	5300	15900	5720	10180
Cows local	3	1620	27	131220	90300	40920
Total				**366320**	**181320**	**185000**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	3.0				
Coconut		40000		75000	120000
Arecanut		50000		95000	225000
Ragi+Avare/Greengram/Redgram or Groundnut	2.0	20000		40000	80000
Fodder block-Napier/Maize+Pulses	0.5	40000	20000	12000	40000
Livestock					
Cows– 1+1		45000	90000	40000	150000
Additional suggestions					
Sprinkler	1.00	15000	15000		
Drip irrigation	1.00	30000	30000		
Rotovator		40000	40000		
Homestead garden		2000		2000	5000
Vermi Compost unit		15000	15000	5000	20000
Farm Pond – 15Mx15Mx3M		50500	50500		
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	4.0	2000	8000		100000
Total			**268500**	**269000**	**740000**

21. Name of the farmer :Shantha Kumar H.A – 5.00 Ac (Irri. 3.3 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	3.75	18.75	8000	105000	63400	41600
Arecanut	3.75	32.75	33500	680375	453750	226625
Gerenium leaf	0.5	16	3000	48000	5340	42660
Ginger	0.5	7.4	5000	37000	21280	15720
Chrysanthemum	0.25	12	5000	60000	23500	36500
Fodder maize	0.5	40	60	24000	1300	22700
Ragi	1.25	10	2200	22000	6000	16000
Greengram	1.25	5	5200	26000	5825	20175
Cow cross bred	4	5400	27	383200	200800	182400
Total				**1385575**	**781195**	**604380**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	3.3				
Coconut		40000		65000	110000
Arecanut		50000		105000	690000
Geranium	0.50	40000		20000	50000
Chrysanthemum	0.25	40000		10000	60000
Ragi+Avare/Greengram/Redgram	1.25	20000		25000	40000
Fodder block-Napier/Maize +Pulses	0.50	40000	20000	12000	30000
Livestock					
Sheep – 50+5		30000	150000	125000	375000
Crossbred cows- 4+2		45000	90000	120000	550000
Additional suggestions					
Sprinkler	1.0	15000	15000		
Drip irrigation	1.0	30000	30000		
Rotovator		40000	40000		
Arecanutdehusker		100000	100000		
Vermi Compost unit		15000	15000	5000	20000
Farm Pond - 21Mx21Mx3M		100000	100000		
Border tree planting with Hebbevu, Silver Oak(Income at the end of sixth year)	4.0	2000	8000		100000
Sheep shed		25000	25000		
Pack house		400000	400000		
Poly house - 1000 M^2		840000	840000		
Total			**1833000**	**487000**	**2025000**

22. Name of the farmer: Shashikala.H. – 3.00 Ac (Irri. 1.5 Ac)

Existing Model:

Area : Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut irri.	1.5	7.2	8000	57600	33000	24600
Coconut	1.5	6.6	8000	52800	29880	22920
Cows-cross bred	1	5400	27	101600	57000	134600
Total				**212000**	**119880**	**92120**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut-Irrigated	1.5	40000		50000	75000
Coconut-rainfed	1.5	25000		35000	55000
Fodder block-Napier/Maize+Pulses	0.25	40000	10000	6000	20000
Livestock					
Cows -1+1		45000	45000	40000	150000
Additional suggestions					
Homestead garden		2000		2000	5000
Vermi Compost unit		15000	15000	5000	20000
Farm Pond-15Mx15Mx3M		50500	50500		
Border tree planting with Hebbevu, Silver Oak (Income at the end of sixth year)	2.0	2000	4000		50000
Total			**124500**	**138000**	**375000**

23. Name of the farmer: Thimme Gowda K.H. – 3.2 Ac(Irri. 1.3Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	1.75	8.4	8000	67200	38710	28490
Arecanut	1.75	15.05	33500	304175	22750	281425
Napier	0.5	48	500	24000	1300	22700
Ragi	1.75	14	2200	30800	8400	22400
Greeengram	1.25	5	5200	26000	5650	20350
Redgram	0.50	1.5	5300	7950	2700	5250
Cows cross bred	3	5400	27	237400	107500	129900
Total				**697525**	**187010**	**510515**

Proposed Model: Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	1.75				
Coconut		40000		40000	70000
Arecanut		50000		55000	335000
Ragi+Avare/Greengram/Redgram	1.5	20000		30000	50000
Fodder block-Napier/Maize+Pulses	0.25	40000	10000	6000	20000
Livestock					
Sheep -10+1		30000	30000	25000	75000
Crossbred Cows 3+1		45000	45000	80000	300000
Additional suggestions					
Mini tractor		300000	300000		
Cultivator		15000	15000		
Drip irrigation	1.0	30000	30000		
Rotavator		40000	40000		
Vermi Compost unit		15000	15000	5000	20000
Farm Pond - 15Mx15Mx3M		50500	50500		
Border tree planting with Hebbevu, Silver Oak (Income at the end of sixth year)	3.0	2000	6000		75000
Pack house		400000	400000		
Total			**941500**	**241000**	**945000**

24. Name of the farmer: Vinay.K.S. – 1 Ac

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	0.5	2.2	8000	17600	11040	6560
Ragi	0.5	4	2200	8800	2400	6400
Total				**26400**	**13440**	**12960**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut	0.5	40000		15000	40000
Ragi+Avare/Greengram/Redgram	0.5	20000		10000	20000
Livestock					
Cows - 2+2		45000	180000	80000	300000
Sheep -20+2		30000	60000	5000	150000
Backyard poultry10+1		800	800	800	3000
Additional suggestions					
Vermi Compost unit		15000	15000	5000	20000
Border tree planting with Hebbevu, Silver Oak (Income at the end of sixth year)	1.0	2000	2000		25000
Animal shed		43000	43000		
Total			**300800**	**11500**	**558000**

25. Name of the farmer: Vedavathi -3.75Ac (Irri. 2.0 Ac)

Existing Model:

Area :Ac, Milk :Lts, Production :qtls, Amount : Rs.

Crop	Area	Production	Rate	Gross Income	Cost of production	Net Income
Coconut	2.0	10.4	8000	83200	44800	38400
Arecanut	2.0	16.8	33500	362800	142000	220800
Gerenium leaf	0.25	8	3000	24000	2860	21140
Napier	0.25	24	500	12000	652	11348
Chilly	0.75	2.4	8500	20400	8568	11832
Cows local	2	1620	27	43740	30500	13240
Cows cross bred	1	3240	27	77480	50300	27180
Total				**623620**	**279680**	**343940**

Proposed Model:

Area : Ac, Amount : Rs.

Crop	Unit	Unit cost	Investment		Income
			Initial	Annual	
Coconut+Arecanut	3.0				
Coconut		40000		70000	100000
Arecanut		50000		120000	475000
Ragi+Avare/Greengram/Redgram/Chilli	0.75	30000		25000	50000
Fodder block-Napier/Maize+Pulses	0.25	40000	10000	6000	20000
Livestock					
Cows - 2+1		45000	90000	60000	225000
Additional suggestions					
Vermi Compost unit		15000	15000	5000	20000
Homestead garden				2000	5000
Total			**115000**	**288000**	**895000**

District wise Summary of IFS models of Hulukatte Koppa Village, TipturTq, Tumkur District

In Rupees

Sl. No.	Name	Total Investment		Total Existing income	Total expected Income
		Initial	Annual		
1	Arun H.D.	353300	385800	992050	1343000
2	Indresh H.S.	265300	176800	162800	473000
3	Kumar H.M.	943300	223800	733350	888000
4	Lohith	1010300	315800	616520	918000
5	Lokesh P.S.	1722800	442800	1191855	1673000
6	Madhu K.S.	103500	222000	206400	455000
7	Manjunath H.G.	302500	216000	133600	515000
8	Madhukar H.M	1255300	521800	1415970	1793000
9	Manjunatha K.R.	172300	171800	419150	623000
10	Nagesh K.P	208300	176800	417475	548000
11	NagarajuK.T	533300	151800	231800	453000
12	Nikil	1113500	251000	569640	1035000
13	Prakash K.V.	847000	342000	1314510	1640000
14	Punith Kumar H.C.	238500	232000	532210	772000
15	Prashanth H.G.	212300	211800	271700	718000
16	Ranganath	658500	225000	515350	810000
17	Raghu K.S.	180300	187800	168420	638000
18	Ranjith	478500	206000	636480	790000
19	Rangaswamy K.N.	577300	245800	502900	683000
20	Roopa H.V.	268500	269000	366320	740000
21	Shantha Kumar H.A.	1833000	487000	1385575	2025000
22	Shashikala H.	124500	138000	212000	375000
23	Thimmegowda K.H.	941500	241000	697525	945000
24	Vinay K.S.	300800	11500	26400	558000
25	Vedavathi	115000	288000	623620	895000
	TOTAL	**17152900**	**5716230**	**20082145**	**27485000**

Potentials of improvement in Integrated Farming Systems of Hulukatte Koppa Village, Tiptur Tq, Tumakuru District

The expert team of PLUS Trust visited Hulukatte Koppa Village, Tiptur Tq, Tumkur District, held detailed interactions with all the selected 25 farmers regarding their present status of cropping, livestock etc. The present income level was also assessed. The soil analysis report of all elements was considered along with the availability of irrigation water, socio-economic status of the farmer and marketing network. Based on these parameters and the opinion of the farmers and the KVK Scientists, Integrated Farming System Model was recommended to each farmer.

Subsequently, district level meeting was organized under the Chairmanship of the Joint Director of Agriculture, wherein the Officers of all line departments participated, besides lead Bank Manager, KVK Scientists and progressive farmers. The 25 IFS Models in the village were again discussed in this meeting, wherein, wide ranging suggestions were given by the Officers for improving these IFS Models. Further, all the farmers were required to submit applications for subsidy to different departments with relevant records for consideration. All the Officers agreed to consider these applications on priority for sanction of subsidy and other incentives. The Joint Director of Agriculture informed the farmers to avail all components of Krishi Bhagya-Farm pond, pump set, drip irrigation, polyhouse/shadenet, agriculture implements under Krishi Yantradhare and benefits/incentives of agriculture department. The lead Bank Managers assured for extending loans on priority to all eligible farmers.

The KVK scientists were requested to facilitate for submitting applications to different departments for seeking subsidy/incentives, besides extending technical knowledge.

Among the 25 farmers, the present level of total income by each farmer ranged from Rs.26,400/- to Rs.14,15,970/-. The wide range of income represents the total area, irrigation facilities and the cultivation of commercial/plantation crops such as arecanut, coconut and vegetables. The farm holding size varied from 1.0 acre to 8.75 acres. The soil type is red sandy loam to fertile and productive. Major crops grown are coconut, arecanut, fruits, vegetables, ragi, pulses and fodder. Invariably, this taluk , Tiptur is a coconut belt and all the tanks are periodically filled by Hemavathi canal, which has improved the availability of irrigation water through bore wells, streams and nalas.

Although, there is wide range of income gap, but there are possibilities of enhancing income through adoption of scientific approach of Integrated Farming System models. Discussions were held with each farmer as one to one basis, developed IFS model suitable to his farm, the input from KVK scientists, Officers of agri, horti, sericulture, animal husbandry were also taken. The IFS model had several components considering the farmers need, socio-economic status, irrigation facility, soil type etc. Based on these recommendations, the income of the proposed model varied from Rs.3,75,500/- to 20,25,000/-. In these models, apart from

field crops such as ragi, pulses, oilseeds, plantation crops such as coconut, arecanut, pepper, cocoa are proposed. In these farms, livestock component of dairy, sheep/goat rearing, poultry farming (back yard) were recommended. Besides, vermi compost units were suggested to produce organic manure and to apply the same to coconut gardens to enrich the soils and to get higher coconut yields. Further, border planting was suggested. Wherever possible, storage units, pack houses, farm ponds, polyhouses were recommended. Ultimately, the farmers should not only double their income, but in the long run, agriculture should become highly remunerative profession. In order to achieve, these targets, farmers also need to invest large amounts for developing infrastructure for which the lead banks was tied up to extend the loans on reasonable interest rates for the benefit of farmers.

The PLUS Trust has suggested end to end solutions to each farmer and these recommendations will have to be followed up by the concerned KVK to achieve the targets.

13. Summary and Conclusions

In India, the agriculture sector is completely at cross roads, because it is dependent completely on monsoon and market. Nearly 65% of the cultivated area is under rainfed farming, vagaries of monsoon associated with climate change in terms of rainfall distribution which affects agriculture production and sustainability of farmers. The income levels of the rural population in general and farmers in particular are lower mainly because of mono-cropping systems, and less remunerative market prices. It is in this background there is large scale migration of farmers from rural areas to urban areas in search of employment and livelihood. Further, the land holding size also is diminishing owing to sub-division and fragmentation. The average land holding size in Karnataka is 1.55 ha, which is fairly lower than the economic holding size of 2.56 ha.

Keeping these facts in view, the Karnataka Agriculture Price Commission thought it relevant for introduction of Integrated Farming System for selected 200 farmers in eight districts, representing different agro ecological situations. The KAPC, entrusted the job of developing ideal IFS Models for 25 farmers in each village of the 8 districts. The PLUS Trust, at the first instance developed template for collecting baseline information from the selected farmers. The concerned KVK Scientists helped in collecting basic data from the farmers. The data was analysed and considering the rainfall, soil, irrigation, socio-economic status of farmers and nearness to market facilities, developed appropriate IFS Models for each farmer. The expert team of PLUS Trust visited these villages held interactions with the farmers along with KVK Scientists and officers of line departments. While finalizing the IFS Model, the opinion of each farmer was also considered. Further, the farmers were informed to submit applications to the concerned Departments along with necessary documents for seeking subsidies/incentives/loans. The concerned KVK Scientists were requested to facilitate the farmers to submit their applications and also follow up for implementation of the IFS Model.

It is to be noted that, with the existing facilities, the income of farmers could be enhanced almost 3 to 4 times by adopting the IFS models. However, proportionate investment for implementing these models is also required which they could obtain by the concerned departments/banks. In the ultimate analysis the exercise of developing IFS models and their implementation will go a long way in addressing the income levels of farmers in different district.

* * *

ANNEXURES

Annexure 1 : Farmer wise requirement of various facilities for implementing the IFS Model, Madhuwal Village, Gokak taluk, Belagavi District

Sl. No.	Name	Farm Ponds (Mts).	Vermi compost units-1 each	Border Planting	Micro irriga-tion	Bore-well recharge	New Bore well	Cow-shed	Cross-bred cows	Buffaloes	Sheep	Goats	Ram	Backyard Poultry	Commer Broilers production (B)	Enter-preneur
1	T.S.Patil	15x15x3	Y	Y	Y		Y			1				10+1		
2	S Y Muddar	12x12x3	Y	Y	Y	Y			1+1					10+1		
3	M MTalwar	10x10x3	Y	Y	Y				1+1			20+2		10+1		
4	S M Hulkund	12x12x3	Y	Y	Y	Y		Y	1+1	1				10+1		
5	B N Dawalatti	12x12x3	Y	Y	Y	Y			1+1						500	
6	R M Hadimani	12x12x3	Y	Y	Y	Y			1+1					10+1		
7	M T Muddar		Y	Y	Y	Y			1+1		10+1			10+1		
8	B S Hadimani		Y	Y				Y	1+1	1				10+1		Y
9	J H Harijan		Y	Y			Y	Y	1+1		10+1			10+1		
10	S N Uddanayak	12x12x3	Y	Y	Y	Y			1+1			20+2			500	
11	M B Patil	12x12x3	Y	Y	Y	Y			1+1					10+1		
12	KasturiUdanaik		Y	Y				Y	1+1							
13	K A Ghivani	15x15x3	Y	Y	Y	Y					20+2			10+1		
14	YK Badigawad	15x15x3	Y	Y	Y	Y			1+1	2				10+1		
15	D C Holi		Y	Y	Y	Y	Y									

Sl. No.	Name	Farm Ponds in Mts.	Vermi compost units	Border Planting	Micro irriga-tion	Bore-well recharge	New Bore well	Cow shed	Cross - bred cows	Buffaloes	Sheep	Goats	Ram	Backyard Poultry	Broilers (B)	Enter-preneur
16	A N Alur	12x12x3	Y	Y	Y				1+1	1			10	10+1		
17	B P Patil	10x10x3 F	Y	Y	Y	Y		Y	1+1	2				10+1		
18	S S.Bhavi	10x10x3	Y	Y	Y	Y				2				10+1		
19	S A Karaguppi	12z12z3	Y	Y	Y	Y		Y		1				10+1		
20	M S Alur		Y	Y	Y	Y			1+1	1						
21	M B Bhavi	15x15x3	Y	Y	Y			Y	1+1	1				10+1		
22	M S Neginal	10x10x3	Y	Y	Y				1+1		10+1			10+1		
23	A M Neginal	15x15x3 F	Y	Y	Y	Y			1+1	1				10+1		
24	B M Shiggavi	15x15x3 S	Y	Y	Y	Y			1+1	1	20+2			20+2=1		
25	C S Talawar		Y	Y								20+2		10+1		
Total		**18**	**25**	**25**	**21**	**16**	**3**	**7**	**19**	**15**	**10+1 = 4 20+2=2**	**3units of 20+2**	**1 unit of 10 rams**	**10+1 =18 20+2= 1**	**2 units of 500 birds**	**1**

Annexure 2 : Farmer wise requirement of various facilities for implementing the IFS Model, Shidlaiahnakote, Hiriyur taluk. Chitradurga district

Sl. No.	Name	Mini Tractor	Tractor trailer	Five tine Ploughs	Multi crop threshed	Rotavator	Seed Cum Fertiliserdrill	Drip Irrigation	Sprinkler set	Tree climber	Boom sprayer	Farm Pond	Border Tree Planting	Vermi Compost	Cross bred Cows
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Mallikarjuna.V.							Y					Y	Y	2
2	S.Nagabushan							Y					Y	Y	2
3	Krishna Murthy												Y	Y	2
4	S.Sashidhar											Y		Y	2
5	Shivamurthy											Y	Y	Y	2
6	S.N.Krishnappa											Y	Y	Y	2
7	Raghavendra											Y		Y	2
8	Krishnappa											Y	Y	Y	2
9	Parameswara											Y	Y	Y	2
10	Devaraju											Y	Y	Y	2
11	Chandrappa								Y			Y	Y	Y	2
12	Nagaraj											Y	Y	Y	2+2
13	V.Krishnappa						Y					Y	Y	Y	2
14	Chidananda			Y		Y	Y	Y				Y	Y	Y	8+4
15	Govindaraj		Y	Y		Y	Y	Y				Y	Y	Y	2
16	Veeresh				Y							Y	Y	Y	2
17	S.B.Kantharaju												Y	Y	3+3
18	Hanumanthappa											Y	Y	Y	2
19	S.V.Amrutheesh											Y	Y	Y	1+2
20	Vijayakumar											Y	Y	Y	2+2
21	S.N.Nagaraj							Y				Y	Y	Y-2	2+2
22	Mallikarjun.S.G.	Y	Y	Y		Y	Y	Y				Y	Y	Y	2
23	Satish									Y	Y	Y	Y	Y	2+2
24	Thippeswamy.R.A.											Y	Y	Y-2	10+3
25	Madhu								Y			Y	Y	Y	2
Total		**1**	**2**	**3**	**1**	**3**	**4**	**6**	**2**	**1**	**1**	**21**	**23**	**25**	**25 Units**

Sl. No.	Name	Sheep	Poultry	Fish rearing	Pack House	Shade Net	Onion storage godown	Animal shed	Poultry shed	Sheep shed	Bio-digester	Bio gas unit
1	2	17	18	19	20	21	22	23	24	25	26	27
1	Mallikarjuna.V.	10+1	10+1		Y	Y		Y	Y			
2	S.Nagabushan		200+10									
3	Krishna Murthy	10+1	200+10						Y			
4	S.Sashidhar	50+5	10+1							Y		
5	Shivamurthy	100+10	10+1							Y		
6	S.N.Krishnappa	10+1	10+1									
7	Raghavendra	10+1	10+1				Y					
8	Krishnappa	10+1	10+1									
9	Parameswara	10+1	10+1									
10	Devaraju	10+1	10+1									
11	Chandrappa	10+1	10+1					Y				
12	Nagaraj	10+1	10+1									
13	V.Krishnappa		10+1							Y		
14	Chidananda	10+1	10+1					Y			Y	Y
15	Govindaraj	10+1	10+1				Y	Y				
16	Veeresh	10+1	10+1		Y	Y						
17	S.B.Kantharaju	10+1	10+1		Y	Y						
18	Hanumanthappa	10+1	10+1									
19	S.V.Amrutheesh	10+1	10+1									
20	Vijayakumar	10+1	10+1									
21	S.N.Nagaraj	10+1	10+1	Y			Y					
22	Mallikarjun.S.G.	10+1	10+1		Y		Y					
23	Satish	10+1	10+1		Y							
24	Thippeswamy.R.A.	20+2	200+10				Y					
25	Madhu	10+1	10+1									
Total		**23 Units**	**25 Units**	**1 Unit**	**5**	**3**	**5**	**4**	**2**	**3**	**1**	**1**

Note: Y: Required

Annexure 3 : Farmer wise requirement of various facilities for implementing the IFS Model in Dharegudda Village , Mangalore taluk, Dakshina Kannada District

Sl.No.	Name of the Farmer	Fresh areca area (Ac)	Cocoa intercrop	Pepper	Farm Pond	Vermi compost	Border plants	Micro Sprinkler	Rechaging of Bore well	Cowshed
1	2	3	4	5	6	7	8	9	10	11
1	AppuMadival		Y	Y	Y	Y	Y	Y	Y	Y
2	Ashok Poojary		Y	Y	Y	Y	Y	Y	Y	Y
3	Baskar Rao	0.5	Y	Y	Y	Y	Y	Y	Y	Y
4	Charmin Lobo		Y	Y	Y	Y	Y	Y	Y	-
5	Harish Shetty	2	Y	-	Y	Y	Y	Y	Y	-
6	Jaykumar Shetty		Y	Y	Y	Y	Y	Y	Y	Y
7	JecintaMelwin		Y	Y	Y	Y	Y	Y	-	Y
8	Rajaram Bhat		Y	Y	Y	Y	Y	Y	Y	Y
9	RajavarmaBailandy	0.5	Y	Y	Y	Y	Y	Y	Y	-
10	Krishnappa		Y	Y	Y	Y	Y	Y	Y	Y
11	Pravin Chandra	0.25	Y	Y	-	Y	Y	Y	Y	Y
12	Raja Poojary		-	Y	Y	Y	Y	Y	Y	Y
13	Rammayya		Y	Y	Y	Y	Y	Y	-	Y
14	Ravindra Acharya	1	Y	Y	Y	Y	Y	Y	-	Y
15	Lalithamma	1.75	Y	-	Y	Y	Y	Y	Y	Y
16	Prabhakar		Y	Y	Y	Y	Y	Y	Y	-
17	Santhosh Devadiga	0.75	Y	Y	Y	Y	Y	Y	Y	Y
18	ShekarPoojary		Y	Y	Y	Y	Y	Y	Y	Y
19	Shivanand	0.75	Y	Y	Y	Y	Y	Y	Y	Y
20	Shubhakar	0.5	Y	Y	Y	Y	Y	Y	-	Y
21	DogyPoojary	0.5	-	Y	Y	Y	Y	Y	Y	-
22	Subash Chandra chouter		Y	Y	Y	Y	Y	Y	Y	-
23	Vasu Poojary	0.5	Y	Y	Y	Y	Y	Y	Y	Y
24	VeerendraPoojary	0.75	Y	Y	Y	Y	Y	Y	-	Y

NOTE: Y-Required

Sl.No.	Name of the Farmer	CB Cows	Back Yard Poultry	Broiler Poultry Unit	Piggery Unit	Fishery	Bee Keeping	Poly drier
1	**2**	**12**	**13**			**14**	**15**	
1	AppuMadival	1+1	20+2			Y	10 Boxes	
2	Ashok Poojary	1+1	20+2			Y	10 Boxes	
3	Baskar Rao	1+1	20+2			Y	10 Boxes	
4	Charmin Lobo	1+1	20+2			Y	10 Boxes	
5	Harish Shetty	1+1	20+2			Y	10 Boxes	
6	Jaykumar Shetty	1+1	20+2			Y	10 Boxes	
7	JecintaMelwin	1+1	20+2			Y	10 Boxes	
8	Rajaram Bhat	1+1	20+2			Y	10 Boxes	
9	RajavarmaBailandy	1+1	20+2			Y	10 Boxes	
10	Krishnappa	1+1	20+2			Y	10 Boxes	
11	Pravin Chandra	1+1	20+2			Y	10 Boxes	
12	Raja Poojary	1+1	20+2			Y	10 Boxes	
13	Rammayya	1+1	20+2			Y	10 Boxes	
14	Ravindra Acharya	1+1	20+2			Y	10 Boxes	
15	Lalithamma	1+1	20+2			Y	10 Boxes	
16	Prabhakar	1+1	20+2	200	10	Y	10 Boxes	Y
17	Santhosh Devadiga	1+1	20+2			Y	10 Boxes	
18	ShekarPoojary	1+1	10+1			Y	10 Boxes	
19	Shivanand	1+1	20+2			Y	10 Boxes	
20	Shubhakar	1+1	20+2			Y	10 Boxes	
21	DogyPoojary	-	20+2			Y	10 Boxes	
22	Subash Chandra chouter	1+1	20+2			Y	10 Boxes	
23	Vasu Poojary	1+1	20+2			Y	10 Boxes	
24	VeerendraPoojary	1+1	20+2			Y	10 Boxes	

NOTE: Y-Required

Annexure 4 : Farmer wise requirement of various facilities for implementing the IFS Model in Khrud Veerapur of Byadagi taluk in Haveri district

Sl. No.	Name	Farm Ponds in Mts.	New Borewell	Recharge of Borewell	Vermi compost units	Border Planting	Micro irrigation	Gobar gas plant
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
1	AravindMannabasavannavar	15x15x3 M			Y	Y	Y	210 cft
2	BasavarajKukal	10x10x3 M			Y	Y	Y	210 cft
3	DuragappaKenchannavar	10x10x3 M	1	Y	Y	Y	Y	210 cft
4	DyamappaHallalli	10x10x3 M	1	Y	Y	Y	Y	
5	GirijavvaaMadar	12x12x3 M	1	Y	Y	Y	Y	
6	HonnammaLachappanavar	15x15x3 M			Y	Y	Y	
7	HonnappaDyavannavar	15x15x3 M	1	Y	Y	Y	Y	210 cft
8	KrishnappaGanjur		1	Y	Y	Y	Y	
9	MallappaGanajur	12x12x3 M			Y	Y	Y	210 cft
10	Manju Madar	12x12x3 M			Y	Y	Y	210 cft
11	MallappaJogihalli	10x10x3 M	1	Y	Y	Y	Y	
12	Nagaraj Kover	12x12x3 M	1	Y	Y	Y	Y	210 cft
13	Rajappa Gurumatti	15x15x3 M (2)			Y	Y	Y	210 cft
14	RamappaPujar	12x12x3 M			Y	Y	Y	210 cft
12	RekhaGurumatti	10x10x3 M			Y	Y	Y	
16	RenavvaKenchannavar	10x10x3 M	1	Y	Y	Y	Y	210 cft
17	Revannasidappa H. Pujar	15x15x3 M			Y	Y	Y	210 cft
18	RevanasiddappaGurumatti	10x10x3 M			Y	Y	Y	210 cft
19	SavitravvaDyavannavar	12x12x3 M			Y	Y	Y	
20	ShambannaGurumatti	15x15x3 M (2)			Y	Y	Y	210 cft
21	ShivamurtappaPujar	12x12x3 M			Y	Y	Y	210 cft
22	SiddalingappaGurumatti	15x15x3 M			Y	Y	Y	210 cft
23	Sunil Gowda Patil	15x15x3 M (2)			Y	Y	Y	210 cft
24	YallappaAdur	12x12x3 M			Y	Y	Y	
25	Vijay Gurumatti	15x15x3 M (2)			Y	Y	Y	210 cft
	Total	**28**	**8**	**8**	**25**	**25**	**25**	**17 Units**

NOTE: 1. Y: required

2. KMF may be approached to extend the milk collection route uptoKhurdVeerapur from existing route touching Masanagi

Sl. No.	Name	Gir cow	Buffaloes	Sheep	Backyard Poultry	Net House	Improvement of existing Cowshed	New cowshed
1	**2**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
1	AravindMannabasavannavar	1	6	-	10+1	1	Y	
2	BasavarajKukal	1	1		10+1	1	Y	
3	DuragappaKenchannavar	1	2		10+1		Y	
4	DyamappaHallalli	1			10+1	1		Y
5	GirijavvaaMadar	1		20+2	10+1		Y	
6	HonnammaLachappanavar	1			10+1	1	Y	
7	HonnappaDyavannavar	1			10+1			Y
8	KrishnappaGanjur	1			10+1			Y
9	MallappaGanajur	1	1		10+1	1		Y
10	Manju Madar	1			10+1	1	Y	
11	MallappaJogihalli	1		20+2	10+1			Y
12	Nagaraj Kover	1			10+1		Y	
13	Rajappa Gurumatti	1			10+1		Y	
14	RamappaPujar	1			10+1	1		Y
15	RekhaGurumatti	1			10+1			Y
16	RenavvaKenchannavar	1		20+2	10+1		Y	
17	Revannasidappa H. Pujar	1			10+1			Y
18	RevanasiddappaGurumatti	1			10+1		Y	
19	SavitravvaDyavannavar	1			10+1		Y	
20	ShambannaGurumatti	1	4		10+1		Y	
21	ShivamurtappaPujar	1		20+2	10+1	1	Y	
22	SiddalingappaGurumatti	1			10+1	1	Y	
23	Sunil Gowda Patil	1	1		10+1		Y	
24	YallappaAdur	1			10+1		Y	
25	Vijay Gurumatti	1			10+1		Y	
	Total	**25**	**6 Units**	**4 Units**	**25 Units**	**9**	**17**	**8**

Annexure 5 : Farmer wise requirement of various facilities for implementing the IFS Model, Tellur Village, Aland Tq. Kalaburagi District

Sl. No.	Name	Mini Tractor	Multi crop threshed	Nipping equipment	Rota-vator	Drip Irrigation	Sprinkler	Farm Pond	Bore well recharge unit	Border Tree Planting	Vermi Compost	Cross bred Cows	Buffaloe	Sheep
1	Veeranna		Y	Y				Y		Y	Y	2		10+1
2	Mallikarjun.S			Y				Y		Y	Y	2		
3	Lingaraj	Y	Y				Y	Y		Y	Y			
4	Mallikarjun							Y		Y	Y	2		50+4
5	Sharanabasappa					Y		Y		Y	Y	1+4		10+1
6	Shivalingappa	Y				Y		Y		Y	Y	1+2	1+2	10+1
7	Mallikarjun.B.							Y		Y	Y	2+2		10+1
8	Nagaraj	Y	Y					Y		Y	Y	1+2	2	10+1
9	Prabhulinga					Y		Y		Y	Y	2		10+1
10	Bandagisaab							Y		Y	Y		2	10+1
11	Santosh							Y		Y	Y	1	1	10+1
12	Mallayya					Y		Y		Y	Y	2	2	
13	Channappa					Y		Y		Y	Y		2	10+1
14	Rajashekar							Y		Y	Y			20+2
15	Shivasharanappa	Y				Y		Y		Y	Y	2		10+1
16	Jayadrath		Y					Y		Y	Y	2+2		10+1
17	Shivasharanappa	Y						Y		Y	Y	2+2	2	
18	Parameswar	Y	Y					Y		Y	Y	2+2		10+1
19	Bhimram	Y			Y	Y		Y		Y	Y	2		10+1
20	Girijabai					Y		Y	Y	Y	Y	2		100+5
21	Shantappa		Y					Y		Y	Y	2	2	10+1
22	Shankar	Y		Y		Y		Y		Y	Y	2+2		20+2
23	Vittal	Y	Y					Y		Y	Y	2+2		
24	Sharanagouda	Y	Y					Y		Y	Y	6+4	5	30+3
25	Vijayakumar			Y				Y		Y	Y	3+3		10+1
Total		**10**	**8**	**4**	**1**	**9 Units**	**1Unit**	**25 Units**	**1**	**25 Units**	**25 Units**	**20 Units**	**9 Units**	**20 Units**

Sl. No.	Name	Goat	Poultry	Cattle shed	Sheep shed	Fishery Unit	Rabbit rearing Unit	Pack House	Shade Net	Poly House	Storage godown	Pump set	Pipeline	Chaff cutter	Sericulture rearing house	Desilting of well	Chilli powder machine
1	Veeranna		10+1	Y													
2	Mallikarjun.S			Y													
3	Lingaraj								Y		Y	Y					
4	Mallikarjun		10+1	Y								Y					
5	Sharanabasappa		10+1					Y		Y							
6	Shivalingappa		10+1	Y				Y		Y		Y	Y	Y			
7	Mallikarjun.B.		10+1												Y		
8	Nagaraj		10+1	Y				Y			Y	Y	Y				
9	Prabhulinga							Y	Y			Y					
10	Bandagisaab		10+1			Y						Y					
11	Santosh										Y	Y	Y				
12	Mallayya			Y							Y	Y	Y				
13	Channappa		10+1						Y		Y	Y	Y				
14	Rajashekar		10+1	Y								Y	Y			Y	
15	Shivasharanappa		10+1	Y				Y									
16	Jayadrath	10+1	10+1	Y													
17	Shivasharanappa					Y						Y					
18	Parameswar		10+1	Y			Y				Y						
19	Bhimram		10+1									Y	Y				Y
20	Girijabai		10+1		Y			Y	Y				Y				
21	Shantappa		10+1	Y								Y					
22	Shankar			Y								Y	Y				
23	Vittal			Y				Y		Y							
24	Sharanagouda			Y		Y			Y		Y	Y					
25	Vijayakumar			Y				Y						Y			
Total		**1 Unit**	**15 Units**	**15 Units**	**1**	**3Units**	**1 Unit**	**8**	**5**	**3**	**7**	**15**	**9 Units**	**2**	**1**	**1**	**1**

NOTE: Y: Required

Annexure 6 : Farmer wise requirement of various facilities for implementing the IFS Model in Byappanahalli, Kolar Taluk

Sl.No.	Name	Mini Tractor	Five tine Ploughs	TrippleBotton Plough	Rotavatror	Drip Irrigation	Tree Pruner	Farm Pond	Bore well recharge unit	Border Tree Planting	Vermi Compost	Cross bred Cows
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Arunkumar									Y	Y	2
2	Satish										Y	2
3	Byrareddy									Y	Y	2
4	Channappa	1									Y-2	
5	Gopala Gowda										Y	
6	Muni reddy.K		1		1					Y	Y-2	2
7	Manjunath.N	1			1			Y		Y	Y-2	2
8	Mune Gowda									Y	Y	2
9	Muni Reddy.N			1					Y	Y	Y-2	
10	Manjunath.R							Y		Y	Y	2
11	Narasimha											1
12	Narayana Swamy						1			Y	Y	1
13	Nagesh									Y	Y	2
14	Prakash		1							Y	Y-2	
15	Prasanna Krishna	1								Y	Y	2
16	Ravi.D.									Y	Y	2
17	Rami Reddy		1			1				Y	Y	2
18	Ravi Kumar	1								Y	Y	2
19	B.M.Ravi		1		1					Y	Y-2	5
20	Srinivasa Gowda	1								Y	Y-2	4
21	Srinivas									Y	Y	2
22	Viswanath.K.									Y	Y	2
23	Venkate Gowda									Y	Y	2
24	Venkat Reddy							Y			Y	
25	Venkatesh	1									Y	2
	Total	**6**	**4**	**1**	**3**	**1**	**1**	**3**	**1**	**19**	**31 Units**	**20 Units**

NOTE: Y: Required

Sl.No.	Name	Sheep	Poultry	Fishery Unit	Pack House	Shade Net	Chandranki	Chandranki room	Flour Mill	Solar fencing	Hydrophonics
1	2	14	15	16	17	18	19	20	21	22	23
1	Arunkumar	10+1	10+1	Y	Y						
2	Satish		10+1								
3	Byrareddy	10+1	10+1								
4	Channappa		110+11	Y	Y						
5	Gopala Gowda		110+11								
6	Muni reddy.K	10+1	10+1	Y		Y					
7	Manjunath.N	10+1	10+1			Y					
8	Mune Gowda	10+1	10+1				Y				
9	Muni Reddy.N		10+1	Y		Y					
10	Manjunath.R	10+1	10+1	Y							
11	Narasimha	10+1	10+1								
12	Narayana Swamy	10+1	10+1								
13	Nagesh	10+1	10+1		Y		Y				
14	Prakash	20+2	10+1	Y		Y		Y			
15	Prasanna Krishna	10+1	10+1								
16	Ravi.D.	5+1	10+1								
17	Rami Reddy	10+1	10+1								
18	Ravi Kumar	10+1	10+1					Y			
19	B.M.Ravi	10+1	10+1	Y			Y	Y			
20	Srinivasa Gowda	10+1	10+1		Y				1		
21	Srinivas	10+1	10+1								Y
22	Viswanath.K.	10+1	10+1	Y							
23	Venkate Gowda	10+1	10+1								
24	Venkat Reddy	10+1	10+1								
25	Venkatesh	20+2	10+1							1	
	Total	**23 Units**	**25 Units**	**8 Units**	**4 Units**	**4 Units**	**3 Units**	**3 Units**	**1**	**1**	**1**

Annexure 7 : Farmer wise requirement of various facilities for implementing the IFS Model in Jakkaladinni village, Manvi taluk, Raichur district

Sl. No.	Name	Farm Ponds in Mts.	Vermi compost units	Border Planting	Micro irrigation	Crossbred cows	Buffaloes	Sheep	Goats	Ram	Backyard Poultry	Silage Unit
1	Devamma	10x10x3	1	Y	Y	1	1					
2	Nagappa	10x10x3	1	Y	Y			20+2			10+1	
3	Erappa	12x12x3	1	Y	Y	2	1	20+2			10+1	1
4	Jayaraj	10x10x3	1	Y	Y	2					10+1	1
5	HanumanthI	12x12x3	1	Y	Y		1	20+2				1
6	Mallikarjuna.B	12x12x3	1	Y	Y	1	1	20+2				1
7	Amaresh	12x12x3	1	Y	Y	2		20+2		10	10+1	1
8	Channabasappa	15x15x3	1	Y	Y	1	1				10+1	1
9	Karnappa	15x15x3	1	Y	Y	2			10+1		10+1	1
10	Gangappa	10x10x3	1	Y	Y	1		20+2			10+1	1
11	Shankar goud	12x12x3	1	Y	Y	1					10+1	1
12	Devraj	12x12x3	1	Y	Y	1	1				10+1	1
13	Vishwanath Reddy	15x15x3	1	Y	Y	1	1				10+1	1
14	Sharan goud	15x15x3	1	Y	Y	2					10+1	1
15	Ramesh	10x10x3	1	Y	Y	1				10	10+1	

Sl. No.	Name	Farm Ponds in Mts.	Vermi compost units	Border Planting	Micro irrigation	Crossbred cows	Local cows	Buffaloes	Sheep	Goats	Ram	Backyard Poultry	Silage Unit
16	Channabasamma	10x10x3	1	Y	Y	1			20+2			10+1	
17	Basamma	10x10x3	1	Y	Y	1		1		20+2		10+1	
18	Shivaram Reddy	15x15x3	1	Y	Y	1		1				10+1	1
19	Mallayya,M		1	Y		1						10+1	
20	Ambaresh	10x10x3	1	Y	Y	1			20+2			20+1	1
21	Amaresh	10x10x3	1	Y	Y	1			20+2			20+1	
22	Suresh	10x10x3	1	Y	Y					20+2		10+1	1
23	Mallayya.K.	10x10x3	1	Y	Y	1	1				10	10+1	
24	Mallikarjuna.M	10x10x3	1	Y	Y	1						10+1	
25	Lingappa	10x10x3	1	Y	Y			2				10+1	
Total		**24 units**	**25**	**25**	**24**	**26**	**7**	**11**	**9units**	**2+1 units**	**3 units**	**20 units of 10+1 & 2 units of 20+1**	**15 units**

Annexure 8: Farmer wise requirement of various facilities for implementing the IFS Model in HulukatteKoppa Village, Tiptur taluk, Tumakuru district

Sl. No	Name	Mini Tractor	Cultivator	Tractrt railor	Rotavator	Arecanut dehusker	Chauf cutter	Drip Irrigation	Sprinkler set	Coconut harvester	Farm Pond	Vermi Compost	Border Tree Planting
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Arun H.D.	-	-	-	Y	-	-	Y	-	-	Y	Y	Y
2	Indresh H.S.	-	-	-	-	-	-	Y	-	-	Y	Y	-
3	Kumar H.M.	Y	-	-	-	-	-	Y	-	-	Y	Y	-
4	LohithH.R	Y	Y	-	Y	-	-	Y	-	-	Y	Y	Y
5	Lokesh P.S.	-	-	-	Y	Y	-	Y	-	-	Y	Y	Y
6	Madhu K.S.	-	-	-	-	-	-	Y	-	-	Y	Y	Y
7	Manjunath H.G.	-	-	-	Y	-	-	Y	-	-	Y	Y	-
8	Madhukar H.M	Y	-	-		Y	Y	Y	-	-	Y	Y	Y
9	Manjunatha K.R.	-	-	-	-	-	-		-	-	Y	Y	Y
10	Nagesh K.P	-	-	-	-	-	-	Y	-	-	Y	Y	-
11	NagarajuK.T	Y	Y	-	Y	-	-		-	-	Y	Y	-
12	Nikil	Y	Y	-	Y	Y	-	Y	-	-	Y	Y	Y
13	Prakash K.V.	-	-	-	Y	Y	Y		-	-	Y	Y	Y
14	Punith Kumar H.C.	-	-	-	-	-	-	Y	-	-	Y	Y	Y
15	Prashanth H.G.	-	-	-	-	-	-	Y	-	1	Y	Y	Y
16	Ranganath	-	-	-	-	-	-	Y	-	-	Y	Y	Y
17	Raghu K.S.	-	-	-	-	-	-		-	-	Y	Y	Y
18	Ranjith	Y	Y	-	Y	-	-	Y	-	-	Y	Y	Y
19	Rangaswami K.N.	Y	Y	Y	Y	-	-	Y	-	-	Y	Y	Y
20	Roopa H.V.	-	-	-	Y	-	-	Y	Y	-	Y	Y	Y
21	Shantha Kumar H.A.	-	-	-	Y	Y	-	Y	Y	-	Y	Y	Y
22	Shashikala H.	-	-	-	-	-	-		-	-	Y	Y	Y
23	Thimmegowda K.H.	Y	Y	-	Y	-	-	Y	-	-	Y	Y	Y
24	Vinay K.S.	-	-	-	-	-	-		-	-	-	Y	Y
25	Vedavathi	-	-	-	-	-	-		-	-	-	Y	-
	TOTAL	**8**	**6**	**1**	**12**	**5**	**2**	**18**	**2**	**1**	**23**	**25**	**19**

Sl. No	Name	Cross bred Cows	Buffaloe	Sheep	Sheep shed	Goat	Poultry	Fish rearing	Animal shed	Poultry shed	Pack House	Poly House	Milking Machine	Homestead garden
1	2	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**
1	Arun H.D.	2+1	2	10+1	-	-	10+1	-	-	-	-	-	-	-
2	Indresh H.S.	2+1	-	10+1	-	-	10+1	-	-	-	-	-	-	-
3	Kumar H.M.	2+1	-	10+1	-	-	10+1	-	-	-	Y	-	-	-
4	LohithH.R	2+1	-	10+1	-	-	10+1	Y	-	-	Y	-	-	-
5	Lokesh P.S.	2+1	-	10+1	-	-	10+1	-	-	-	Y	Y	-	-
6	Madhu K.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Manjunath H.G.	2+1	-	10+1	-	-	-	-	-	-	-	-	-	-
8	Madhukar H.M	1+1	1	10+1	-	-	10+1	-	-	-	Y	-	-	-
9	Manjunatha K.R.	1+1	-	10+1	-	-	10+1	-	-	-	-	-	-	-
10	Nagesh K.P	1+1	-	-	-	10+1	10+1	-	-	-	-	-	-	-
11	NagarajuK.T	2+1	-	10+1	-	-	10+1	-	-	-	-	-	-	-
12	Nikil	3+1	-	10+1	-	-	-	-	-	-	Y	-	-	-
13	Prakash K.V.	3+1	-	-	-	-	-	-	-	-	Y	-	Y	-
14	Punith Kumar H.C.	1+2	-	-	-	-	-	-	-	-	-	-	-	-
15	Prashanth H.G.	2+2	-	10+1	-	-	10+1	-	-	-	-	-	-	-
16	Ranganath	2+2	-	10+1	-	-	50+5	-	-	Y	Y	-	-	-
17	Raghu K.S.	1+2	-	10+1	-	-	10+1	-	-	-	-	-	-	-
18	Ranjith	2+1	-	-	-	-	-	-	-	-	-	-	-	Y
19	Rangaswami K.N.	1+2	-	10+1	-	-	10+1	-	-	-	-	-	-	
20	Roopa H.V.	1+1	-	-	-	-	-	-	-	-	-	-	-	Y
21	Shantha Kumar H.A.	-	-	50+5	Y	-	-	-	-	-	Y	Y	-	
22	Shashikala H.	1+1	-	-	-	-	-	-	-	-	-	-	-	Y
23	Thimmegowda K.H.	-	-	10+1	-	-	-	-	-	-	Y	-	-	-
24	Vinay K.S.	2+2	-	20+2	-	-	10+1	-	Y	-	-	-	-	-
25	Vedavathi	-	-	-	-	-	-	-	-	-	-	-	-	Y
	TOTAL	**21 Units**	**2 Units**	**17 Units**	**1**	**1 Unit**	**14 Units**	**1 Unit**	**1**	**1**	**9**	**2**	**1**	**4**

NOTE:Y: Required,