Detailed project report

Proposal for establishing an integrated farming system

Submitted by

Mohammed Shameem M
(Eco farm)

Submitted to

Kerala Forest Department

Index
Contents

Project summary

Name of the project	Establishment of an integrated farming system
Project area	Area -7 acres, Near valluvashery forest office
Target beneficiaries	• Unemployed youth and women • Common public • Farmers • Forest department
Aim of project	• To produce safe to eat vegetables, animal products, quality planting materials • Doubling farmer income by suppling good quality seeds and seedlings • To maximise the production of food crops by adopting improved technologies • Developing long term and sustainable agriculture models • Providing employment to poor unemployed youth and women • Assisting in marketing of forest produces through marketing channels
Project proposals	• Creating of irrigation sources and systems (pond -2 acers) • Land developments works • Establishments of plant propagation structures • Protection of cropping area • Establishment of integrated farming system • Development of physical infrastructure • Creating transportation facilities
Ownership and management of project	Own land

Executive summary

The proposed project is planned to be executed in an area of 7 acers of land near valluvassery forest office along the side of state high way .The area has been identified as suitable location for integrated farming system which include the production of food crops ,poultry,livestock,honeybee ,fishes etc This pioneer project will be mile stone in increasing the agriculture production in Nilambur locality .Due to the prevailing pandemic situation district is facing a huge crisis on food production where we are dealing on neighbouring states for the need of local population. As the part of government subhikshakeralam project it has been strictly insisted to start cultivation in fallow lands. Our project corelates with government vision for ensuring food security of local population. It is estimated that during the first year itself we will be able to cultivate 2acers of banana,10000 tilapia ,5000 catfishes,6000 varal fish,500 kg of honey and other vegetables and tubers

Objectives

- Increasing the agriculture production to next level by post-harvest operation and value additions
- Developing low-cost models which can be adopted by farmers for better income generation
- To demonstrate the use of renewable energy sources for agriculture
- To develop yield enhancing agriculture technologies
- To make the farm a self-sustained enterprise
- To develop a successful IFS model

Present situation

Presently farm boundaries has been protected by eco-friendly measures which do not harm wild animals or any others. A pond in 2 acres has been constructed to ensure the availability of water throughout year and fish farming. A poly house of 2500 sqft has been built for production of planting materials. Total 7 acres has been planted with various crops like coconut, arecanut, fruit plants, vegetables

Production details of farm

We are expecting a production of following items during this year

Fish (tilapia ,varal,catfish)	5 ton
Banana	2 ton
Vegetable	300 kg
Seedlings	50000 nos
Honey	500 kg
Seeds	100 kg
Poultry	5 ton
Buffalo	10 nos
Fodder grass	10 ton

SWOT Analysis

The SWOT analysis of our current situation has been described below

Strength
• We have a wide range of crop diversity
• Integrated farming system
• Availability of water
• Availability of own land
• Favourable micro climate
• Availability of raw materials

Weakness
• Poor accessibility (Even though farm is located near to sate high way the approach road from high way to farm(approximately 20 mtr)id passing through forest land. Presently we have sanction to use 3 feet road for transportation which is inadequate

Opportunity
• Very good market
• High demand for planting material
• Farm tourism
• Farmer training programme
• Naturally gifted landscape
• Safe to eat -good agriculture practises

Threat
• Market fluctuation
• Epidemic situation
• Unpredicted lockdowns

Proposals -IFS

Integrated farming systems is a combination of many components which increases the farmer income using natural resources on sustainable basis which can be obtained by integrating crop husbandry with allied enterprises. The goal of IFS is to provide a steady and stable income through rejuvenation of farm productivity and achieve agro ecological equilibrium through cropping system management and use of more organic input

By adopting IFS waste material from one component can be used as the input for the next component. Thus, all the resources in the farm have their own role in the recycling process to make it a sustainable profitable agriculture model

Conclusion

The outcome of this project enables the farm to utilise its resources for improving crop production, land utilisation, crop diversification, value addition, additional income, employment generation.it is expected that by implementing this project

- Production capacity of farm will be increased
- Farmers will be benefited by getting good quality planting material
- More crop diversification
- Increase water use efficiency
- Enhance use of renewable energy sources
- Additional income generation
- Safe to eat agriculture products
- Promotes farm tourism
- Employment generation for poor youth and women