

Proposal for development of
Fig Plantation



BY

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Overview:

This proposal is for a fig plantation of 100 acres, which is scalable both up and down with minor changes in fixed costs. The proposal also includes post-harvest facilities for fig dry fruit. Lands with low humidity are suitable for the crop. A dry climate with temperature especially at the time of fruit development and maturation produces the best quality figs. Buds of most cultivars requires some winter chilling.

Fig is an import substitute with high nutritional value and has a ready market in India. Major imports into the Country as on date are from Turkey, Afghanistan, Iran and Iraq. In 2021, about 22500 MT of figs were imported into India. The Wholesale price of fig as on date stands at a minimum of Rs 1000 per kg and good quality figs command retail price up to Rs 3000 per kg.

Fig is a crop which provides high income to the land owner. However, raising the plantation and management of production is a technical task necessitating expertise of high order. The life time of fig plantation is expected to be about 20 years but can be extended through prudent management. The harvest season of fig is from March to May months of each year.

Vijaya Lakshmi Narasimha Agro (OPC) Pvt Ltd has technical expertise in the form of tissue culture and backed by more than three decades of expertise in horticulture plantations and management. The Company has taken on board experts who are into fig and sandalwood tissue culture for last one decade and supplied about 1 million plants to growers through out India. The tissue culture plants (Deanne Variety of fig) of AG Bioteck Laboratories India Ltd (supplier of the plants) are well known for quality and for the last three decades products of AG Bioteck command premium.



Hundreds of acres of tissue culture plantations of fig are under the care of the experts on board with Vijaya Lakshmi Agro Narasimha (OPC) Pvt Ltd. The expertise is in farm administration, agronomy and prudent cultivation practices to derive maximum yield with optimum inputs and continuous care. The Company also arranges for timely inputs at right price and also helps in marketing of the final product. Continuous support is provided by in the entire operations to ensure that the farming is precise and weather proof by deploying technical experts and manpower.

Fig farm of 100 acres (450 trees per acre)

1. Brief details of investment and returns for fig farm:

Investment

S No	Details	Investment in Rs Lakhs (approx.)
1	Infrastructure Development	150
2	Plantation	93
3	Production management till first harvest (taking November-December as planting period)	124
	Total	367

Gross Revenue

S No	Details	Amount in Rs Lakhs	Remarks
1	Each Harvest (after pruning first flowering and taking second flowering)	600	@1 ton dry fruit per acre @ 600 Rs price/kg



Net Revenue

All figures in Rs Lakhs

S N o	Details	Gross Revenue	Expenditure	Net
1	Each Harvest (after pruning first flowering and taking second flowering)	600	130	470

On consideration of prudence, the sale price is taken only at Rs 600/- per kg though the market price is higher. Also to economize the cost, materials would be purchased in the name of the Landlord only to avoid multiple levy of GST.

Item wise break-up of these details would follow in next pages. All the figures are at expected current prices and there could be variation over time.

It can be seen from the above that the cost of infrastructure and plantation of Rs 243 lakhs is also recoverable from the first harvest itself and there would be surplus of Rs 233 Lakhs in the first harvest.

2. Share of Vijaya Lakshmi Narasimha agro:

It is expected that the agreement for management would be for atleast 10 years. The fees for raising the plantation and sharing of income for cultivation and production management including post-harvest management by VLN Agro are as follows.

- a) No charge would be collected in providing guidance for establishment of infrastructure facilities if the work is executed by the Landlord. If the work has to be executed by VLN Agro, supervision fees would be collected @10% (including GST) on the actuals.



- b) For the work of plantation, VLN Agro would collect fees @10% (including GST) on the actuals.
- c) For farm and production management, VLN Agro would collect share of agricultural income in the following proportion:

Yield of fresh fruit in Tons/per acre	Share of Net Revenue
Up to 5 tons	30%
5 - 10	35%
Above 10	40%



3. investment in infrastructure:

S.No.	Details	Unit	Quantity	Unit Cost	Total Cost in Rs Lakhs
1	Land Development				
	a. Bush cleaning, Land levelling, bunding & plot making	Acre	100	4000	4.00
	b. Internal ways and drainage channel abutting fence	Acre	100	5000	5.00
	c. Fencing	Acre	100	24000	24.00
	Total Land Development Cost				33.00
2	BUILDINGS & UTILITIES:				
	a. Control room for drip.fertigation system (30x20=600sft)	Sft	600	1000	6.00
	b. Stores for nutrients and fertilizers of 1000 SFT	Sft	600	1000	6.00
	d. Servants quarters (10 Nos.of 10X20=240 Sft.Each)	Sft	2400	1000	24.00
	e. Post harvesting building (Packing, ripening & storage)	Sft	1200	1000	12.00
	Total BUILDINGS & UTILITIES cost				48.00



3	Plant & Machinery:				
	a. Mini Tractor with Accessories	Number	1	500000	5.00
	c. Water storage tanks.	Number	1	300000	3.00
	f. Drip irrigation system	Acre	100	40000	40.00
	g. Other machinery and implements	Number	1	100000	1.00
	h. Post Harvesting eEquip. Incl. solar drying	Number	1	2000000	20.00
	Total Cost of the Plant & Machinery				69.00
	Total Cost of the Infrastructure				150.00



4. plantation cost:

S No	Details	Investment in Rs Lakhs	Remarks
1	Cost of Tissue Culture Plants Deanne Variety of AG Biotech (free surplus of 3% to cover mortality)	57.6	45000 plants. MRP 160 per plant. Discount 20%
2	Digging, pit filling and planting	22.5	@ Rs 50 per plant
3	Manure and Nutrients in pit	13.05	@ Rs 29 per plant
	Total	93.15	



5. cultivation and production cost for each harvest:

S No	Details	Expenditure in Rs Lakhs	Remarks
1	Manure, Pesticides etc	50	
2	Labour (1 pair per 10 acres)	30	@ 25,000 per pair pm
4	Salary for tractor driver	2.4	@ Rs 20000 pm
5	Plant Training & Pruning Cost	5	Rs 2500 per acre. Twice = 5000
6	Electricity	0.3	@ 2500 pm
7	Drying and packing	40	@ 20 Rs per kg
8	Routine Repairs & Maintenance	2.3	
		130	