



Project Estimate

“Ginger”, Soilless, Smart, Vertical farming



INVESTMENT BREAK-UP DETAILS

Sl#	Item	Unit	Qty	Rate	Amount	Rem
POLYHOUSE (NVPH)						
01	84x48 Sqm.	Sqm	4032	950	3,830,400.00	
02	Air circulation Fans 1400 RPM	Ea.	24	L/S	216,000.00	
INTERNAL STRUCTURE						
01	GI Sqr. Pipe (I-Ladder) 40x40mm x 2.6 mm thk, 3M height (3Kg/m) 3mx41Px16+R (678 P)	Ton	6.102	100	610,200.00	
01-A	GI Sqr. Pipe (Runner) 40x40mm x 2.6 mm thk, 2M Length (3Kg/m) 2mx40mx17 (1520 P)	Ton	4.080	100	408,000.00	
02	GI Sqr. Pipe (Footing) 32x32mm x 2.6 mm thk, 1M height, (2.5 Kg/M) 1mx 41P x 16+ (678 P)	Ton	1.900	100	190,000.00	
03	MS-Flat (I-ladder G.Bag Support) (0.8Kg/Mtr) 25mm x 4 mm thk. 80m x 5L x 6L x 19R	Ton	36.480	75	2,736,000.00	
04	MS L Angle (I-Ladder Layer) 45mm x 30mm x 4mm, (2.3Kg/m) 1.2mx 3x 41P x17R	Ton	5.772	75	432,900.00	
05	MS-Flat (I-Ladder Btm Support) (0.8Kg/Mtr) 25mm x 4 mm thk. 41P x 1.5mx3 x 17R	Ton	2.510	75	188,250.00	
06	PCC 1:3:6 (M10) (600mm x 300mm x 300 mm) 2 ft x 1 ft x 1 ft (0.6 x 0.3x 0.3) 0.043 Cum. 41x16R: 656 footings	Cum.	29	L/S	108,750.00	
07	Open-top Growbag LDPE 150 Micron 30x30x45cm	Ea.	60,000	27	1,620,000.00	
Page sub total					10,340,500.00	



Sl#	Item	Unit	Qty	Rate	Amount	Rem
SUBSTRATE						
01	Cocopeat (1800 Cum)	Ea	24,000	140	3,360,000.00	
FERTILIZER AND OTHER INPUTS						
01	Fertilizers, Bio fertilizers and controls.	Kgs. / Ltrs.	L/S		700,000.00	
IRRIGATION						
01	Complete irrigation system with Automatic filtration mechanism and RO Plant.	Ea.			1,250,000.00	
WATER AND INPUTS STORAGE						
01	IBC Tanks / Chemical containers.	Ea.	10		400,000.00	
02	PVC / STEEL Water storage tank (50000 Ltrs)	Ea.	1			
IOT SYSTEM /WEATHER STATION						
01	Automated system (Substrate VWC, Ph, Root zone temp, NPK; Polyhouse Humidity, Temperature sensors and fertigation auto pH&EC adjusting dozer system)			L/S	800,000.00	
COMMUNICATION AND CCTV SURVEILLANCE						
01	Complete system with Communication 4g/5g GSM broadband/network and CCTV surveillance.			L/S	200,000.00	
LIFTS AND WHEELBARROWS						
01	Scissor lift, Wheelbarrows.		L/S	L/S	300,000.00	
SPRAYER						
01	Testing materials, Accessories, Portable/ Power sprayers, pro-trays, Misc.			L/S	180,000.00	
GROUND COVER / WEED CONTROL MAT						
01	HDPE ground weed mat	Cum.	4830 RMT	50	241,500.00	
SEED						
01	Vajra (Acc-247), Mahima, Varada, Rejatha, Mahima, Rio-De-Janeiro, Maran, Himachal, Nadia.	Kgs	2000	150	300,000.00	
SCRATCH TO FINISH WORKS						
01	Land preparation, laser levelling, Internal Structural work (Pro-tray seedling, Structure erection including civil works, growbag installation, Substrate filling, weed mat installation, Transplanting seedlings. Assisting drip irrigation personals during irrigation installation).				900,000.00	
Page sub total					8,631,500.00	
Grand total including consultancy					21,248,640.00	



ECONOMICS

Investment	21,248,640.00
Total seedlings	100,608
Growbags (50,304 x 2 seeds/bag)	100.608
Vertical layers	3
Yield	50,000 – 75,000 Kgs
Gross yield	50,304 – 75,456 Kgs
Yield per growbag	1.0-1.5 Kgs
Crop cycle	One cycle (8 months)
Gross Income (Considering a farmgate price of Fresh ginger @ 100 Rs/Kg)	5,000,000.00
Recurring charges	1,200,000.00
Labour	300,000.00
Fertilizers and other inputs	500,000.00
Seed/seedling material	300,000.00
Utility and Misc.	100,000.00
Net Income	3,800,000.00

- The yield may subject to vary as per the climatic conditions, Varietal selection and practices adopted.
- The farmgate prices are considered here is an average price, is subject to vary per the market fluctuations.

GINGER, CROP CYCLE PLAN (SCHEDULE / ACTIVITIES)

Year	Annual scheduling / activities											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
One												
Two												
Three												
Four												
Five												
Six												
Seven												
Eight												
Nine												
Ten												
Eleven												
Twelve												
Thirteen												
Fourteen												
Fifteen												

	Transplanting of seedlings		Crop growing phase
	Replacement of substrate		Harvesting
	Nursery seedling		Sterilizing substrate

**Cycles/Yield is subjected to various factors. It may vary from region to region, climatic conditions, varietal selections, and practices.



CLIENT SCOPE (Essential things, mandatory for the project. Ignore if the same are already exist)				
01	Solar / DG / UPS system for uninterrupted power supply			1,000,000.00*
02	Nursery for seedling			400,000.00*
03	Storage, labour and packaging rooms			1,000,000.00*
04	Fencing			60,000.00*
* CLIENT SCOPE expenses aren't considered in these calculations				

These prices are without any government subsidy.
Uninterrupted power and water supply is mandatory for the project.
While making estimate we have considered everything, but their estimated prices / expenses are not included while final calculations eg., Quarters for labours, Packing/storage room, Fencing, Generator / Solar system, UPS, etc., (Excluding Land). If any of the facilities / things aforementioned preexist, the same can be utilized for the project, if not essential things can be mandatorily required to setup/procure if they are found inevitable. Client should be notified in advance for the same and required arrangements should be done by the client within the scheduled / requested time duration.
Materials procurement and all the works are strictly done by our authorized associates, agencies or sub-contractors only.
We share complete Bill-of Quantity (BoQ), Drawings, other operation procedures and schedules for easy and effective operation with clients.
Above mentioned Prices are subjected to escalation. Freight charges and IGST are inclusive (Will be notified prior to the procurement if necessary for any discrepancies).
FYI: Gronatura reserves all the rights to use/implement new material / technology any time without prior information / approval of the clients.





TERMS AND CONDITIONS

(Turnkey project / LCCC (Landlord Cropping, Company Consultancy))

Items	Descriptions
Payment	75% in advance along with Purchase order / Project confirmation. 25% before commencement of an internal structure works.
Delivery schedule	15 days from the receipt of the first payment.
Completion schedule	75-90 days from the date of the delivery schedule.
Taxes and freight	All-inclusive in the estimate
Arbitration	Palakkad jurisdiction only
Bank Account details	GRONATURA CONSULTANCY Current A/C #: 250905000524 IFSC: ICIC0002509 BANK: ICICI BANK BRANCH: VICTORIA COLLEGE, PALAKKAD, KERALA, 678001.
	<p>Owner must arrange temporary accommodation to all workers at site / Project land. If the accommodation is far from the workplace, adequate transportation facilities should be provided to the workers.</p> <p>Owner must provide potable water, uninterrupted power supply during the project execution.</p> <p>Owner or their concerned and authorized people must bring to the knowledge of the consultancy about any discrepancies of materials, work etc... with in 48 hours of the receipt/execution of the same.</p> <p>Owner must provide and ensure safety and security of all the material at work site.</p> <p>Owner must construct Control room and storage rooms for irrigation/fertigation system and fertilizers, other inputs, and accessories storage.</p> <p>Any damaged caused due to unscientific storage or ignorance by the owner / related people can't be entertained. The loss caused by the aforementioned must be borne by the owner, if it doesn't fit the rule books of the manufacturers / suppliers.</p> <p>Owner mustn't share plans, technical details, and other vital and sensitive information to the unauthorized people / organization without approval and knowledge of the consultancy.</p>



Contact us....

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