

Strawberry + Spinach



Project Estimate

"Strawberry" Vertical, Controlled Environment Agriculture





INVESTMENT DETAILS

SI#	Item	Unit	Qty	Rate	Amount	Rem				
CEA	(FAN AND PAD) POLYHOUSE									
01	44x28 Sqm.	Sqm	1232	2100	2,587,200.00					
02	Air circulation Fans	Ea.	12	L/S	96,000.00					
INTE	RNAL STRUCTURE (40x24m)									
01	GI Sqr. tube (Pri Pole)	Kgs	2,448	100	244,800.00					
0.	40x40mm x 2.6 mm thk,	rigo	2,110	100	211,000.00					
	3M height (3Kg/m)									
	13P x 20+1R (136x6m tube)									
02	GI Sqr. tube (Footing)	Kgs	690	100	69,000.00					
	32x32mm x 2.6 mm thk,			V.C.						
	1m height, (2.5 Kg/M) 1mx13Px21R (46x6m tube)			,00						
03	MS Angle (Layer)	Kgs	2,463	80	197,040.00					
	40x40x3mm thk,	1 190	2, 100		101,010.00					
	1m Length (1.8 Kg/m)									
	13Px5Lx1Mx 21R (228x6m)									
04	MS Angle (Bag supp)	Kgs	11,088	80	887,040.00					
	25x25x3mm thk, 10,080m (1.10 Kg/m)									
	24mx2x5x2Lx21R(1680x6m)									
04A	MS Flat bar (Bag supp)	Kgs	3,024	80	241,920.00					
0	25x3mm, (5,040m)	90	3,02.		, =					
\ \	0.3m Length (0.6 Kg/m)									
	0.3x80/Rx10x21 (840x6m)									
05	MS Angle (V-Top sppt.)	Kgs	540	80	43,200.00					
	40x40x3mm thk, 1m Length (1.8 Kg/m)	11:00	1:10 01 :	1000	forove					
	40mx7 (50x6m)	IIIVO	mg re	aeas	ioi grow					
06	10mm Rebar for firm support	Kg	51.85	80	5,000.00					
1	for Pipes in footing:		IID A							
	150mmx2x273P)		UKA	\L						
07	(0.617 Kg/M) 84M PCC 1:3:6 (M10)	Cum.	11	L/S	55,000.00					
07	(600mm x 300mm x 300 mm)	Cum.	11	L/S	55,000.00					
	2ft x 1 ft x 1 ft (0.6 x 0.3x 0.3									
	0.042 Cum.			20						
	260 footings		- V							
050		XA				l				
	WBAG AND SUBSTRATE		6000	m x 30Rs	100,000,00					
01	LDPE, 200 micron lay-flat growbag, 30x20x100cm		6000	III X JUKS	180,000.00					
02	Cocopeat (432 Cum)	Blocks	6,200	140	930,000.00					
	FERTILIZER AND OTHER INPUTS 01 Fertilizers, Bio fertilizers and controls L/S 600,000.00									
	IRRIGATION 01 Complete irrigation system: Drip, foggers, pumps, L/S 9,00,000.00									
O1 Complete irrigation system: Drip, foggers, pumps, L/S 9,00,000.0 Automated filer systems with pumps.										
	ATER AND INPUTS STORAGE									
01	Tanks (5000Lx4)	k (50K I \		L/S	400 000 00					
02	PVC / STEEL Water storage tan	K (OUK L)	Dogo	L/S	400,000.00					
			Page 9	sub total	7,436,200.00					





SI#	Item	Unit	Qty	Rate	Amount	Rem				
IOT	SYSTEM / WEATHER STATION	/ SURVEILL	ANCE							
01	Automated system (Soil \			L/S	700,000.00					
	Temperature sensors, pH/EC	auto adjus								
02	peristaltic dozer pumps) CCTV surveillance system			L/S	100,000.00					
		DED WITH								
01	or-cart, Bag lifters, Scissor lifts Ladders, Wheelbarro									
	•	Jws, testing	equipment	L/O	200.000.00					
SPR 01	AYER Deutable / Deutag agreement / Dette	mil nun tuni	Miss		450,000,00					
• .	Portable/ Power sprayer (Batte		, IVIISC.		150,000.00					
01	150-micron, HDPE ground	Cum.	1280	50	64,000.00					
	weed mat	TIIR		A		<u> </u>				
	D/SEEDLINGS	_		<u> </u>						
01	Strawberry plants	Ea.	40,000	15	600,000.00					
	Spinach Seeds	Kgs	400	500	200,000.00					
	kaging material	<u> </u>								
01	Punnets, MAP bags/containers	s, Stickers			1,650,000.00	<u> </u>				
	STRUCTURE (with complete wo									
01	Internal Structural work (Struct				600,000.00					
	growbag installation, substrate Assisting drip irrigation personal									
		als duffing in	igation insta	illation.						
WAT			Pr b .		050 000 00*					
01	4 stage RO plant (Based on water quality can be decided) 350,000.00*									
	/ER BACKUP / COLD STORAG	E ROOM			000,000,00					
01	10 Ton, cold storage room Solar / Inverter system	900,000.00	- h							
	· convening laces of growin									
Nurs					200,000,00					
01	Racks with LED lights		Page	uh total	200,000.00 6,714,000.00					
			rages	sub total	0,7 14,000.00					
	Total investr	nont wit	haanau	Itanav	15 9/9 22/ 00					



Modified Atmosphere Packaging (MAP): Punnets and Pouches





ECONOMICS

Investment	15,848,224.00
Total seedlings	36,800
RR20"xPP10"x24m (92Px2PRx10PLx20R: 36,800)	36,800
Vertical layers	5
Yield (per plant / pocket) Strawberry:	0.300 – 0.500 Kgs
Spinach:	0.300 = 0.500 Kgs 0.150 = 0.250 Kgs
	0.100 0.200 Ng0
Gross yield	44,000 1/
Strawberry : gross yield / crop cycle Spinach: gross yield / crop cycle x 7 cycles (5,520 Kgs x 7)	11,000 Kgs 38,640 Kgs
	30,040 NgS
Crop cycle	
Strawberry	1 cycle/year
Spinach	7 cycles/year
Gross Income	7,000,000.00
(Considering a farmgate price with MAP packaging	
Strawberry	3,300,000.00
Spinach	3,800,000.00
Recuring charges	3,600,000.00
Seeds / seedlings	700,000.00
Fertilizers Labour	500,000.00 600,000.00
Utility and Misc.	600,000.00
MAP Packaging	800,000.00
Transportation	400,000.00
Net Income	3,400,000.00
Net income	3,400,000.00

- 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 city / Markets.

CROP CYCLE / ACTIVITIES

Harvesting

Year	Annual scheduling / activities																							
	Jan Feb Mar		Apr I		M	May		Jun		ı	Aug		Sep		Oct		Nov		Dec					
							7.71																	
First															SB			SB	SB	SB	SB	SB	SB	SB
Second	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Third	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Fourth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Fifth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Sixth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Seventh	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Eighth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Nineth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Tenth	S	S		S		S	S	S		S		S		S	SB			SB	SB	SB	SB	SB	SB	SB
Transplanting / dibbling										Crop growing phase														

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

SB: Strawberry; S: Spinach





INFORMATION

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

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

Items	Descriptions
Payment	75% in advance along with Purchase order / Project confirmation. 25% before commencement of the 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.

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.

Owner must provide potable water, uninterrupted power supply during the project execution.

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.

Owner must provide and ensure safety and security of all the material at work site.

Owner must construct Control room and storage rooms for irrigation/fertigation system and fertilizers, other inputs, and accessories storage.

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.

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.







Contact us....

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