

Turmeric (Vertical)



Project Estimate

"Turmeric", Soilless, Smart, Vertical farming





INVESTMENT DETAILS

SI#	ltorro	Unit	Otv	Data	Amount	Dom
	Item YHOUSE (NVPH)	Unit	Qty	Rate	Amount	Rem
		Carro	4022	050	2 020 400 00	
01	84x48 Sqm.	Sqm	4032	950	3,830,400.00	
02	Air circulation Fans	Ea.	24	L/S	216,000.00	
	1400 RPM					
INTE	ERNAL STRUCTURE					
01	GI Sqr. Pipe (I-Ladder)	Ton	6.102	100	610,200.00	
	40x40mm x 2.6 mm thk,				,	
	3M height (3Kg/m)					
	3mx41Px16+R (678 P)	ID C	0			
01-	GI Sqr. Pipe (Runner)	Ton	4.080	100	408,000.00	
A	40x40mm x 2.6 mm thk,			137		
	2M Length (3Kg/m)					
	2mx40mx17 (1520 P)					
02	GI Sqr. Pipe (Footing)	Ton	1,900	100	190,000.00	
	32x32mm x 2.6 mm thk,				,	
	1M height, (2.5 Kg/M)					
	1mx 41P x 16+ (678 P)				~	
03	MS-Flat	Ton	36.480	75	2,736,000.00	
	(I-ladder G.Bag Support)	1011	00.100	10	2,100,000.00	
	(0.8Kg/Mtr)					
	25mm x 4 mm thk.					
6	80m x 5L x 6L x 19R					
04	MS L Angle	Ton	5.772	75	432,900.00	
	(I-Ladder Layer)				102,000100	
	45mm x 30mm x 4mm,					
	(2.3Kg/m) CU	tiva	tina i	dea	s for gro	wth
	1.2mx 3x 41P x17R				9.0	
05	MS-Flat	Ton	2.510	75	188,250.00	
	(I-Ladder Btm Support)	ΔΤ	$\mathbf{I}\mathbf{R}\mathbf{Z}$,	
	(0.8Kg/Mtr)					
	25mm x 4 mm thk.					
	41P x 1.5mx3 x 17R					
06	PCC 1:3:6 (M10)	Cum.	29	L/S	108,750.00	
	(600mm x 300mm x 300					
	mm) 2 ft x 1 ft x 1 ft (0.6 x					
	0.3x 0.3) 0.043 Cum.	KΔ				
	41x16R: 656 footings					
07	Open-top Growbag	Ea.	60,000	27	1,620,000.00	
07	LDPE 150 Micron	La.	00,000	21	1,020,000.00	
	30x30x45cm					
CIIE	SUX30X45CIII					
		Ea	24.000	140	2 260 000 00	
01	Cocopeat (1800 Cum)	Ea	24,000	140	3,360,000.00	·
			1.10		700 000 00	
01	Fertilizers, Bio fertilizers	Kgs. /	L/S		700,000.00	
	and controls.	Ltrs.				
	1 		Page s	ub total	10,340,500.00	





SI#	Item	Unit	Qty	Rate	Amount	Rem
IRR	GATION					
01	Complete irrigation system v	with A	utomatic f	iltration	1,250,000.00	
	mechanism and RO Plant.					
	TER AND INPUTS STORAGE					
01	IBC Tanks / Chemical contain		VC / STEE	EL	400,000.00	
	Water storage tank (50000 Ltr					
	SYSTEM /WEATHER STATIO					[
01	Automated system (Substrate				800,000.00	
	temp, NPK; Polyhouse I					
	sensors and fertigation auto	рнае	c adjustinę	g dozer		
0						
01	MUNICATION AND CCTV SU Complete system with Com			A GSM	200,000.00	
01	broadband/network and CCT			y 6310	200,000.00	
LIFT	S AND WHEELBARROWS	v Surv				
01	Scissor lift, Wheelbarrows.				300,000.00	
_	AYER	-	-		000,000.00	
01	Testing materials, Accesso	ries.	Portable/	Power	180,000.00	
	sprayers, pro-trays, Misc.	,				
GRO	OUND COVER / WEED CONT	ROL N	//AT			
01	HDPE ground weed mat		4830	50	241,500.00	
	(2.1m x 100m, 150 micron)		RMT			
SEE	D					
01	Rajendra: Sonali, Sonia, H			150	300,000.00	
	CIMAP: Pitambar, IISR: Prat	hib <mark>h</mark> a,	Kgs			
	Sudarshana.					
	ATCH TO FINISH WORKS					
01	Land preparation, laser level				S 1 (900,000.00)	vth
	work (Pro-tray seedling, Stru					
	civil works, growbag installa					
	weed mat installation, Tra					
	Assisting drip irrigation persinstallation).	sonais	duning in	ngation		
	installation).		Page 6	ub total	8,631,500.00	
			r aye s		0,001,000.00	
Gr	and total including cons	sulta	ncv _		21,248,64	0 00
					21,240,04	0.00

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





ECONOMICS

Investment	21,248,640.00				
Total seedlings	100,608				
Growbags (50,304 x 2 seeds/bag)	100,608				
Vertical layers	3				
Yield (Per crop cycle)	75,000 – 100,000 Kgs				
Gross yield (Fresh)	75,456 – 100,608 Kgs				
Yield per growbag	1.5-2.0 Kgs				
Dry Yield @ 18% recovery	13,500 – 18,000 Kgs				
Crop cycle	Two cycle (6+6 months)				
Annual powder yield (2 crop cycles with 1% dry loss)	24,000 – 34,000 Kgs				
Gross Income	7,200,000.00-10,200,000.00				
(Considering a farmgate price of powder @ 300 Rs/Kg)	7,200,000.00-10,200,000.00				
Recuring charges	2,700,000.00				
Labour	600,000.00				
Fertilizers and other inputs	800,000.00				
Seed/seedling material	400,000.00				
Utility and Misc.	100,000.00				
Packaging and processing	800,000.00				
Net Income	4,500,000.00 - 7,500,000.00				

• The crop cycle and yield may subject to vary as per the geography, 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.

TURMERIC, CROP CYCLE PLAN (SCHEDULE / ACTIVITIES)

Year		Annual scheduling / activities																					
	Ja	n	Fe	b	Ma	ar	Ар		ay	Ju	n۲	Ju	S	Au		Se	р	00	τ	No	v	De	÷C
																							-
One																							
Тwo																							
Three																							
Four																							
Five																							
Six																							
Seven																							
Eight																							
Nine																							
Ten																							
Transplanting of seedlings Crop growing phase									ise														
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.





POINTS TO REMEMBER

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 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 COS for growth
	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.





Cultivating ideas for growth

Contact us.... gronatura consultancy,

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