

Spinach



Project Estimate

"Spinach", Linear Vertical Hydroponics (LVH)





INVESTMENT BREAK-UP DETAILS

SI#	Item	Unit	Qty	Rate	Amount	Rem
0=4	(F					
	(Fan and Pad Polyhouse)	C	4000	0400	0.440.000.00	
01	36x28 Sqm.	Sqm	1008	2100	2,116,800.00	
02	Air circulation Fans 1400 RPM	Ea.	10	L/S	90,000.00	
	1400 KFW					
INTE	RNAL STRUCTURE (32x24m)				
01	Gl Sqr. Pipe (Ldr pol)	Kgs	4,085	100	408,500.00	
	50x50mm x 2.9 mm thk, 6M	LIDE	0			
	Length (3.74 Kg/m)	OVE	- 00	Vc.		
	4m x 13P x 20R =1092m			1)(//		
	(182 x 6m tube: 1092m)				<i>></i>	
02	GI Sqr. Pipe (Footing)	Kgs	1,221	100	122,100.00	
	45x45mm x 2.9 mm thk, 6M					
	Length (3.67 Kg/m)					
	1m x 13P x 25R =325m				1	
03	(55 x 6m tube: 330m) GI Sqr. Pipe (Railing)	Kgs	2,244	100	224,400.00	
03	45x45mm x 2.9 mm thk, 6M	Nys	2,244	100	224,400.00	
	Length (3.74 Kg/m)					
	24m x 25R = 600m					
	(100 x 6m tube: 600m)					
04	Clamps and Nuts	L/s	L/s	L/s	300,000.00	
05	GI Sqr. Pipe (Top support)	Kgs	674	100	67,400.00	
	45x45mm x 2.9 mm thk, 6M				4 - 4 4	
	Length (3.74 Kg/m)	ITIVO	TING I	deas	tor grow	rn
	$32m \times 5 = 160m$					
1	(30 x 6m tube: 180m)	LAT				
06	10mm Rebar	Kgs	122	L/s	10,000.00	
	0.3m x 2 x 13P x 25R					
07	(33 x 6m rebar: 198m)		10	1.70	F0 000 00	
07	PCC 1:3:6 (M10)	Cum.	13	L/S	52,000.00	
	(300mm x 300mm x 600				Cement: 58	
	mm) 1ft x 1ft x 2ft (0.3 x 0.3x 0.2= 0.042 Cum.		_ 1/		Bags; F.Agg: 9.6 Ton;	
	0.2- 0.042 Guill.	KA			C.Agg: 19.21	
	312 footings		101		C.Agg. 19.21 Ton	
	012 100tilig5				1011	
			Page	sub total	3,391,200.00	





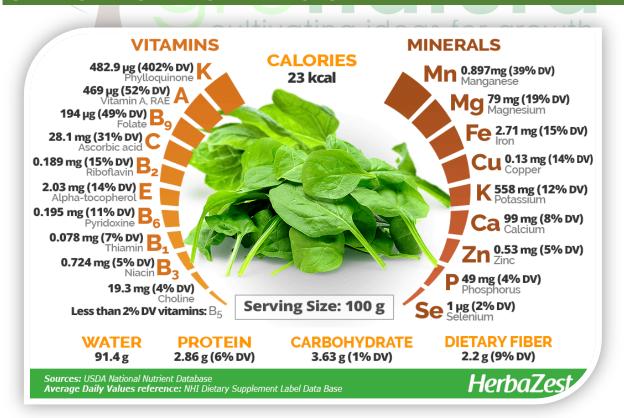
SI#	ltem	Unit	Qty	Rate	Amount	Rem
GULI	LY / CHANNEL / PIPE (NFT/I	OFT), END	CAPS, NET	ГРОТЅ		
01	Custom made, PVC NFT/DFT gully /channel, UV resistance, Food grade, lead free, 6" Class2 (4Kg), 6m length 10L x 24+1 R	,,	350 x 600		2,100,000.00	
02	END CAP / COUPLER	Ea	1,600	100	160,000.00	
03	3" NET POTS	Ea	50,000	4	200,000.00	
00	3 NETTOTO	La	30,000		200,000.00	
FFR1	TILIZER AND OTHER INPUTS	1				
01	Fertilizers, Bio fertilizers and controls	Kgs. / Ltrs.	L/S	Vc.	900,000.00	
				10[]		
	GATION					
01	Complete irrigation system with pumps, Auto filters.	Ea.			800,000.00	
WAT	ER AND INPUTS STORAGE					
01	Tanks (7000L x 4)	Ea.	4			
02	Tanks (1000L x 4)	Ea.	4		400,000.00	
IOT S	SYSTEM /WEATHER STATIO					
01	Automated system (pH, EC Dozer system, Humidity, Tem			L/S	600,000.00	
	V SURVEILLANCE					
01	Complete system			L/S	100,000.00	
\A/! !=	FLEADEN LABRED GU	ltiva :	ting ic	eas	for grow	th
	ELBARROW, LADDER etc	-			_ 000 000 00	
01	Ladders, Wheelbarrows,	Ea.	8		200.000.00	
	testing equipment		$\cup K A$			
CDD	AVED	-/ \ 1	— 1177			
	AYER Down on one	Г.	2.1		200,000,00	
01	Portable/ Power sprayer	Ea.	2		200,000.00	
	(Battery), tray, Misc.					
GPO	UND COVER / WEED CONT	ROL MAT				
01	HDPE ground weed mat	Cum.	1280	50	64,000.00	
	(Local / Exclusive)	Guiii.	1200	- 50	04,000.00	
01	6-10 seeds/ net pots	Kgs	700	500	350,000.00	
	o to social fiet pots	rtys			•	
			Page s	sub total	6,074,000.00	





SI#	Item	Unit Qt	y Rate	Amount	Rem					
STRI	STRUCTURE contract with complete works till transplantation									
01	Internal Structural work (Structure erection including civil 500,000.00									
	works, Gully installation, wee	d mat installation	, Assisting							
	drip irrigation personals during	irrigation installat	on.							
UTIL	ITY									
01	4 stage RO plant (Based on w	ater quality can b	е	350,000.00						
	decided)									
02	Solar / DG / Inverter	1,000,000.00								
NUR	NURSERY									
01	Nursery rack with LED lights	INRE CO		350,000.00						
		Pag	e sub total	2,150,000.00						
	TOTAL INVESTMENT WITH CONSULTANCY 13,009,024.									

SPINACH: NUTRITIONAL FACTS







ECONOMICS

Investment	13,009,024.00
Total seedlings	48,000
Net pots (100x2 side x 12L x 20R (200mm+1500mm))	48,000
Vertical layers (Linear)	12
Yield	86,400 Kgs
Gross yield / crop cycle	7,200 Kgs
Yield per Net pot / crop cycle	0.150 – 0.250 Kgs
Crop cycle	12 cycle (12 months)
Gross Income (Considering a farmgate price with MAP packaging @ 100 Rs/Kg)	8,640,000.00
Recuring charges	4,070,000.00
Seeds	200,000.00
Fertilizers	750,000.00
Labour	900,000.00
Utility and Misc.	720,000.00
MAP Packaging	900,000.00
Transportation	600,000.00
Net Income	4,570,000.00

- 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.

SPINACH, CROP CYCLE PLAN (SCHEDULE / ACTIVITIES)

Year	Annual scheduling / activities																				
	Jai	n	Fe	b	Ma	r	Ар		Ma	Ju	Ju	Au	q	Se	р	Oc	:t	No	٧	De	С
First																					
Second																					
Third																					
Fourth																					
Fifth																					
Sixth																					
Seventh																					
Eighth																					
Nineth																					
Tenth																					
																					S
	Translation of realism																				

Transplanting of seedlings	Crop growing phase
Harvesting	

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





CLIE	NT SCOPE (Essential things	, mandatory for the pr	roject. Ignore if the same are already				
exist)							
01	Storage, labour and packaging rooms		1,000,000.00*				
02	02 Fencing 40,000.00*						
* CLI	* 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.





SPINACH: In Modified Atmosphere Packaging (MAP), Container and Pouch.





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.
	ATTRE COAL
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
60,002	BRANCH: VICTORIA COLLEGE,
	PALAKKAD, KERALA, 678001.
5 101 11 10	

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....

gronatura consultancy,

50/150, Single Street, Beside Shiva Ambalam, Karukodi Road, Vadakkanthara, Palakkad, KERALA, 678 012. INDIA.

- info@gronatura.com
- www.gronatura.com