

Black Pepper



Green Black Pepper



Dried Garbled Pepper

Project estimate – 1.0 Acre.

Black Pepper: Open field, Soil and Smart agriculture.



PROJECT EXECUTION STEPS



CLIENT MEETING

When a client contact gronatura, and further decided to move forward, we schedule a meeting with them at their place / field. The meeting facilitates both of us to understand each other. Further it makes us to understand the needs of the client and their farmland, topology market etc....very well. Based on the data collected, we suggest the best model and crops.



TECHNICAL VISIT

After the client meeting, the technical team's visit is very pivotal. This documents an existing basic facility and further needs to be implemented. This visit records all the details of the existing and future implementations. This eases the work to prepare the accurate techno economic feasibility report and an estimate. The same will be shared with the client.



PROJECT MATERIAL DELIVERY

Soon, The TEFR / Estimate reviewed and approved by the client, Memorandum of Understanding (MoU) is executed. After the receipt of the payment according to the MoU The material delivery takes place.

(The MoU comprises, Complete deliverables, Schedule, Plans, estimate, cropping info. and other terms and conditions).



PROJECT WORK COMMENCEMENT

Before project materials reach the project site, the team of skilled labours arrive and start all the necessary preparation works.

The complete project setup will take anyhow 45-60 days. The detailed project schedule will be shared in advance with the client and work will be executed accordingly.



TESTING, COMMISSIONING AND TRAINING

Once all the setup works completed, the through testing and commissioning of Smart agriculture system will be done.

The offsite field trails and training will be provided with all required technical materials and technology.

Consultancy services will be provided at least for a crop cycle with both offsite visits and online by our agronomists.



Items	Qty	Rate	Amount
A. Pepper Plants			
Nursery grown, Grafted with Thippali, plants, Panniyur, Thekken, Zian Mundi, Karimunda, Kumbukkal	4,000	75	300,000.00
Transportation not included.			

B. Infrastructure			
PVC pipe (4" 4Kgf), 5m length.	2,050	875	1,793,750.00
8mm Rebar / FGC for support and anchoring	2,050	90	100,000.00
Concreting: 1 feet width and 2.5 feet depth pit.	L/S	L/S	350,000.00
Shading: Green net shading to the plant	L/S	L/S	100,000.00
INM and IPM products	L/S	L/S	400,000.00
Irrigation system Tanks (Including 50,000 Ltrs Zinc-aluminum), complete automated filter (Sand, Disk etc...) system, Pumps, Drip system, Foggers and installation.	L/S	L/S	1,000,000.00
Smart agriculture (VWC, LST, Temp, Humidity, VPD, Dozers / Injectors, Controllers etc...	L/S	L/S	700,000.00
Plantation, Testing equipment, Wheelbarrow, Spray pumps and Misc.	L/S	L/S	300,000.00
Weed mat (100/110 GSM, 2.1m x 50/100m Roll)	L/S	L/S	150,000.00
Surveillance and Communication system	L/S	L/S	150,000.00
Alternative utility (Power)	L/S	L/S	700,000.00
Control room, Store room, Workers Qtrs., Rooms	L/S	L/S	900,000.00
Subtotal			6,943,750.00

Total Project cost (with subsidy)	
NHB Subsidy	--
PM-Kusum (Solar)	350,000.00
Packaging House	400,000.00
Subsidy, TOTAL	750,000.00
Total investment with subsidy	6,193,750.00

Total Project cost (with consultancy and subsidy)	
Consultancy charges @ 5% (including 18% GST)	365,431.00
Total investment with subsidy and consultancy	6,559,181.00



ECONOMICS of the Black Pepper

Net income till 3 rd year			
Gross income	20,000 Kgs	600.00	12,000,000.00
1 st year: 2,000 plants x 0.0 Kgs = 0 Kgs			
2 nd year: 2,000 plants x 1.0 Kgs = 2,000 Kgs			
3 rd Year: 2,000 plants x 2.0 Kgs = 4,000 Kgs			
4 th Year: 2,000 plants x 3.0 Kgs = 6,000 Kgs			
5 th Year: 2,000 plants x 4.0 Kgs = 8,000 Kgs			
Same yield will continue 20+ years....			
Recurring charges till 4th year			4,000,000.00
Net income till 5th year			8,000,000.00

- Yield may vary based on climatic conditions and farming practices.
- Prices are subjected to vary from market to market and grades of the produce.

Return on Investment (ROI)	
Net Income, (from the first 5 years)	8,000,000.00
Capex	6,559,181.00
Return on Investment with profit	1,440,819.00

Yearly Income from 4 th year			
Every year Gross income	8,000Kgs	600.00	4,800,000.00
Planting material sales	L/S	L/S	300,000.00
Recurring charges every year			900,000.00
INM and IPM	L/S	L/S	200,000.00
Packing Material and Misc.	L/S	L/S	100,000.00
Labour	L/S	L/S	600,000.00
Utility bill and Misc	L/S	L/S	100,000.00
Pepper Net Income / year			4,200,000.00

- Prices of the pepper at farmgate is somehow ranges between **500-800 Rs/Kg**, based on its quality.
- The yield of the pepper in generally starts from 2nd year.



TERMS AND CONDITIONS

Items	Descriptions
Payment	As per the agreed terms of the project final meeting.
Delivery schedule	With in 07 days from the receipt of the first payment.
Completion schedule	60 days from the date of the first payment receipt.
Taxes	All-inclusive in the estimate
Freight	Paid to vendor / supplier at actuals.
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>Client 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>Client must provide potable water, uninterrupted power supply during the project execution.</p> <p>Client 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>Client must provide and ensure safety and security of all the material at work site.</p> <p>Client 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 Client / related people can't be entertained. The loss caused must be borne by the Client, if it doesn't fit the rule books of the manufacturers / suppliers.</p> <p>Client 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> <p>FYI: Gronatura reserves all the rights to use/implement new material / technology any time without prior information / approval of the clients.</p>	



A service guarantee.

Gronatura consultancy, in general execute only turnkey projects. i.e., Build and Transfer basis.. As per the meetings and understanding with the client, this can be altered and gronatura can undertake partially / complete operations with marketing assistance to make sure that the client gets their investments back and profits as per our projections, at the earliest. Till the client receive their investments back (RoI) with the profits, the service of the gronatura will be available and continued.

The conditions applied are as following

- Client has to arrange agriculture graduate(s) and skilled manpower for the daily overall operations. The wages and perks for the same is the scope of the clients only.
- Gronatura, trains the people and transfer the technologies to the client's till they get expertise and execute the project independently or till the client receive their ROI / Break even.
- Client has to arrange transportation and accommodations to the gronatura people and others, if, the distance of the project location of the project is 5+ Kilometers from the tier 1/2/3 cities.






Contact us,



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