

GUAVA JUICE

MANUFACTURING PLANT

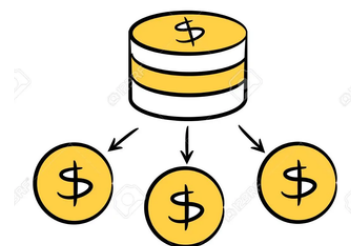


About us:

PHANS4 CONSULTING PRIVATE LIMITED, For more than 10 years, we have been supporting companies and startups around the globe, helping them to improve the sustainability of their competitiveness and performance capabilities along the entire value chain in "Food processing industry" with the aid of innovative technologies and expert consulting.

Services we offers:

- **Market research:** We define market and develop a market strategy by analyzing trends, competition, threats and opportunities in that particular field.
- **Business plan:** We make a business plan for a startup by projecting key aspects like Business concept, market analysis, financial projections & marketing strategies.
- **Funding & Allocation:** We are offering funding solutions & assistance for your startup such as like angel investors, venture capitalists & debt from banks or other financial institutions etc.
- **Business structure:** We choose the right business structure for your startup such as Sole proprietorship, Partnership, Corporations & Limited liability company (LLC).
- **Business registration:** Registering your business at federal, state & local levels. Registering for intellectual property protection and obtaining TAX ID & insurances coverage to protect your business from liabilities & risks along with "Employer identification number-Udyog Adhar" issued by micro small & medium enterprises.

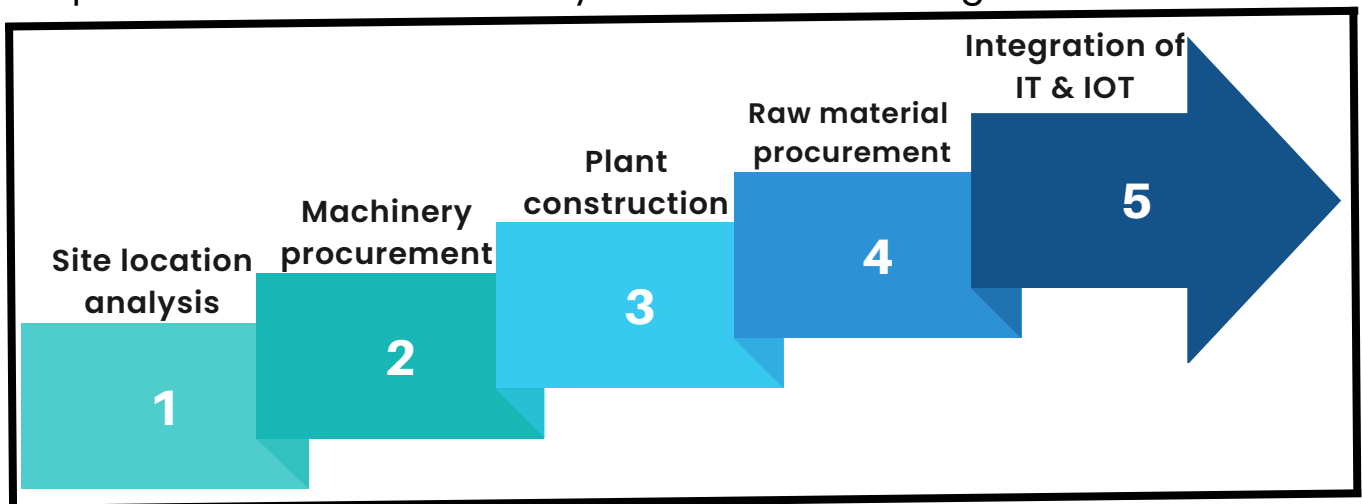


- **License & Permits:** We are offering License & permits solutions & assistance from several departments such as Business license, Tax registration (TIN), Occupational licenses. Permits - health, Safety, environmental & building etc.



- **Detailed project report (DPR):** We prepare Detailed project reports for your startup which includes Business overview, technical details, financial projections, marketing plans, operational plans, risk analysis, legal & regulatory compliances and implementation schedule etc.

- **Site location analysis:** We do site location analysis by taking competition, accessibility, regulations & zoning, work force availability and target audience as parameters.
- **Machinery procurement:** By evaluating production capacity, available space & financing options we select machineries with required capacities ensured with safety & environmental regulations.



- **Plant construction:** We provide services like feasibility studies, designing, procurement of equipment, construction & installation.
- **Raw material procurement, dealer-customer identification & negotiation:** We are offering services like identifying suppliers-customers, negotiation, establishing a supply chain and monitoring.
- **Integration of IT & IOT:** implementation of enterprise resource planning (ERP) systems, leverage data analytics, automations, IOT devices etc. to make efficient business operations.

PROCESS FLOW CHART

01

**GUAVA WASHING &
DICING.**

02

**PULPING &
MIXING INGREDIENTS.**

03

FILTRATION.

04

HOMOGENIZATION.

05

PASTEURIZATION.

06

**PACKAGING &
STORING.**

- ***GUAVA WASHER:***

This machinery is very helpful in cleaning operations of fruits. The large capacity of fruits will get cleaned in very less time.

It helps to remove dirt, debris, pesticides & other contaminants on fruits surfaces.



- ***GUAVA DICING MACHINE:***

Guava processing is particularly very challenging thing because of its tough outer skin and numerous seeds in fruit. But, with this dicing machine the processing will be efficient and simply. This dicing machine will cut guava into smaller pieces as per required shape, size & texture to extract juice from it.



- ***GUAVA JUICE EXTRACTING MACHINE:***

This machine is designed to efficiently extracting juice from guava fruits by crushing the fruits or pieces and separating the juice from the fruit. It gives a high juice yield from small amount of fruits.

This process ensures you the high juice yield, consistent quality, time saving & easy to clean.



- **HOMONIZER:**

This homonizer will reduce the size of the particles in a liquid by forcing it through a small opening under high pressure. This process results in a smoother, uniform texture and improves stability.

It ensures that the juice consistent quality for every batch of juice maintains same texture, taste and appearance.



- **JUICE PASTEURIZER:**



To improve the safety and shelf life of fruit juice products, this fruit juice pasteurizer is the perfect solution. Its designed to kill harmful bacteria, pathogens and microorganism in juices by heating.

This pasteurizers were capable to process huge volumes of fruit juices and equipped with advanced control systems like temperature control systems to achieve desired level of pasteurization, user-friendly control panel, safety sensors and emergency stop buttons to ensure safety.

INSTALLATION:

Phans4 consulting private LTD offering installation solutions for micro small and medium enterprises machineries.

- Site selection & plant layout designing.
- Procurement of machinery & installation.
- Utilities installation.
- Testing & commissioning.

OPERATION & MAINTENANCE:

- Phans4 consulting private LTD offering training program for staff to do their job efficiently.
- we train the plant staff on operation & maintenance of machinery, quality controlling & production etc.

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