



**Cold Chain Solution/
Cold Storage**



**Frozen Plants :
IQF and Ice Cream**



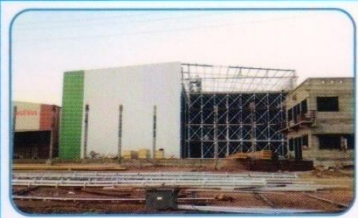
Ripening Chamber



PUF Panel



Ice Plant



Pre Engineering Building



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B.S. & G.P

We do all Project for Post Harvest and Perishable Product's.

B.S. & G.P. is a Quality Designer and Turnkey Solution Provider of industrial Refrigeration Application.

We have been enjoying a smooth ride in a growing market where the demand for refrigerated products is on the rise. Here is an overview of the growth story. For us, excellence is not an achievement but an ongoing process. Perhaps, it is the single-minded focus on Turnkey projects and consultancy for enduring the quality, designing planning and excellent after sales services that have helped to establish us, as reliable partner for post harvest application for their entire valuable clientele.

The portfolio comprises turnkey solutions for Refrigeration plants utilized for multi-purpose cold storage, controlled atmosphere cold storage for fruits, frozen plants with IQF. Fruit-ripening chambers, various type of ice plants. The company also offers its expertise in cold chain solutions.

The group of companies B.S. & G.P. have strategic and the long term association with the M/s Synergy Thrislington for getting support of Insta Building construction by the PUF/PIR insulation, PEB/Ms- Structure, Civil Construction materials.

B.S. & G.P. also have a some other association with the world's best comp for their product like Racking system, Solar Systems, CA Equipments.



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Company Strength

- Focus of the B.S. & G.P. Is to providing turnkey solutions for post harvest products and perishable products to it's client in India and across the globe.
- Company is working in this field for more than 10 years.
- Company main strength is the centre team of Consultant, Planner, Designer, Project Executer and supervisor, who are committed to complete each project in time.
- Company provides in depth knowledge to all clients related to storage process e.g. pre storage parameters, storage parameters and after storage parameters, Which is very essential for the success of the projects. Company also take operational responsibility of the plant in initial phase and provide training of operation of equipment to the skilled labor or operator.
- We have strong service back up team, who have focus on day to day analysis of all completed projects.
- We do all project is based on modern technology, which gives guarantee to save energy and reduce yearly expenses.
- We do seminars and exhibitions time to time for product awareness and about new technologies.

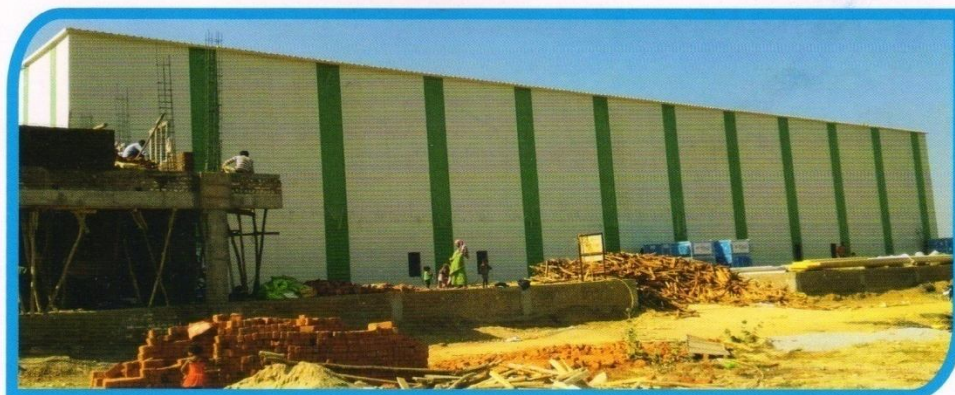


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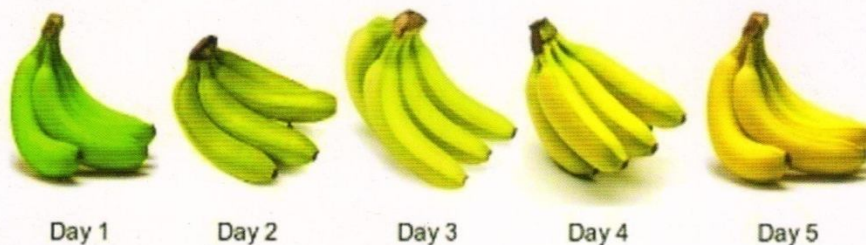
We provide its expertise for cold chain solutions for particular products right from the farm level to the end users.

BSGP also provide total storage solution for vegetable like onions, garlic, carrots, etc. in this type of storage apart from constant temperature, humidity, carbon dioxide and air flow within the produce is maintain automatically as per pre-define level. This type of storage system is very useful for the control of sugar level in the product like potatoes which is highly demanded by process industries. For this kind of produce cold storage building should be leak proof to ensure effective control of humidity.



Ripening Chambers

BSGP provide most advanced fruits ripening rooms for ripening of fruits like mango, banana and Papaya. We provide forced draft cooling system for a uniform ripening of fruits even in large capacity rooms. We used blended gas system for the purpose of ripening which is acceptable by all world food standards. With our system, client has unique advantage of controlled ripening post storage life of the produce. The system offered by BSGP has unique advantage of low weight loss after ripening which is direct benefits to the customer. This chamber can be used as degreening of fruits like lime, papaya and oranges.



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Control Atmosphere Cold Storage

Multi-Purpose Control atmosphere cold storage mainly used for long-term storage of perishable fruits & vegetables. In this type of cold storage, apart from constant temperature, concentration of oxygen, carbon dioxide, ethylene and humidity is maintained as per the requirement of the produce stored in cold storage.

This type of Multi-Purpose storage mainly used for the storage of apples, pears, lime, litchi, mango, pomegranates, ground nut, tomatoes, cabbage, fresh dates and other perishable fruits & vegetables.



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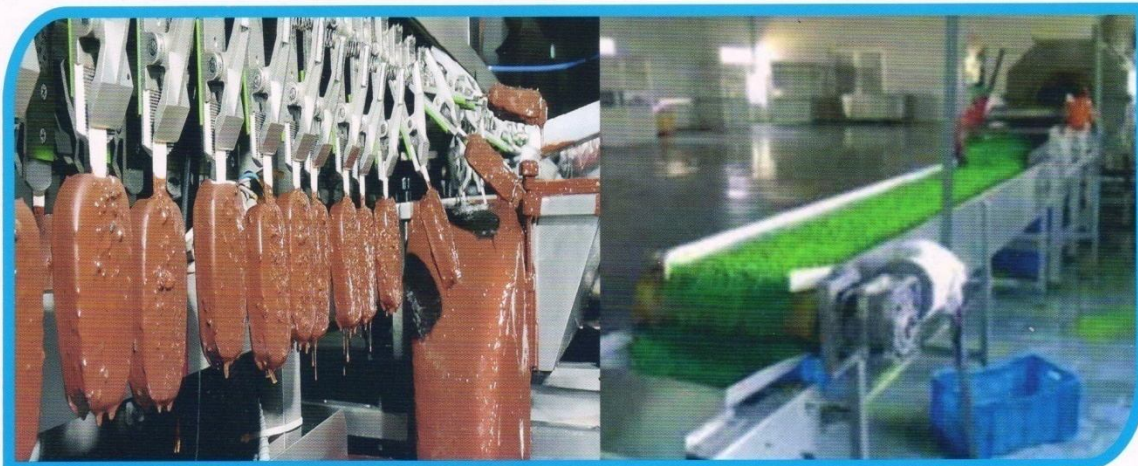
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Frozen Plants: IQF & ICE Cream Plant

BSGP have an expertise to design and deliver frozen plants with IQF systems having strong competitive edge to others.

The individually quick freezing technology is one of the most effective technologies of preserving the natural characteristics of products. They have long shelf life when stored under -18 Deg C to - 40 Deg C. No preservatives or any artificial substances are added to enhance the characteristics of the products offered thereby maintaining their natural freshness. BSGP provides turnkey solutions for such application with their associates. Products such as All type of non juicy/Less juicy, Dry vegetables and fruits (pees, all cutting vegetables ready for cook, Paneer, Khoya, Bread. Ready cooked foods. Non vegetables- Meat, Fish, Beef.



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Construction of Pre-Fab Building with Fixing of EPS/ PUF Panel





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PEB/MS- Structure/Civil Structure with PUF Panel

BSGP have association with M/s Synergy Thrislington for getting solution for turnkey project including Building made of MS Structure/PEB or Civil Structure technology which is insulated by PUF/PIR panel for creating control atmosphere for the cold storage and other processing unit.

BENEFIT/ADVANTAGE:-

- Easy and Fast construction of approx. 20000 sq. m. area within 3 months.
- Strong and safe option of building.
- Restructuring/ shifting and customize option for life time.
- Less investment in terms of time and money of the client.
- Very less engagement of client during construction.
- Multiple option in construction with PEB and PUF panel.
- Easy and fast installation of insulation of PUF Panel.
- No repairing job required after the construction and installation.

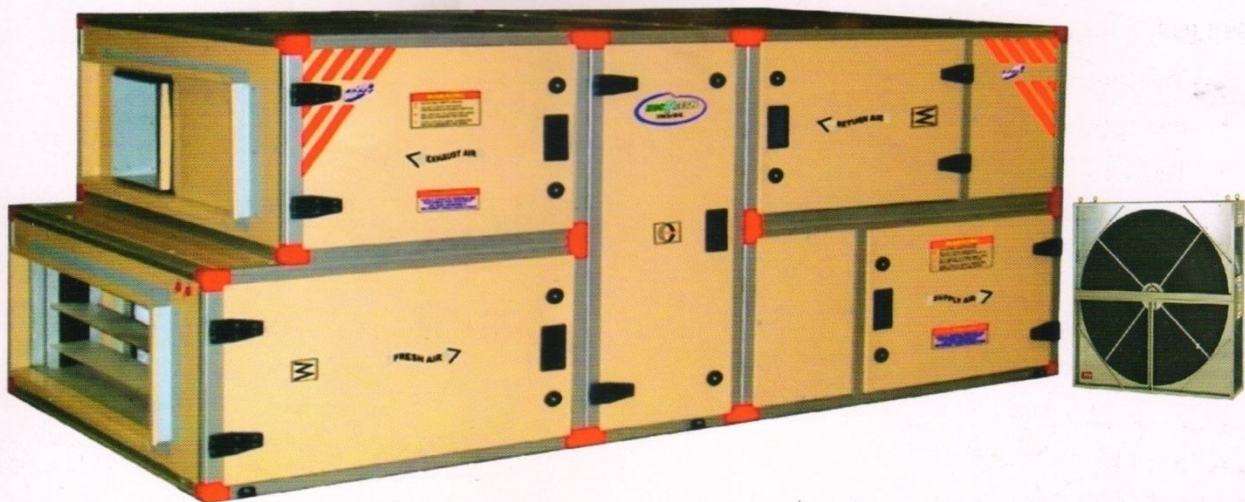


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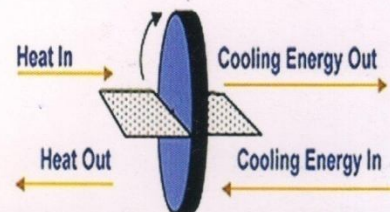
Heat Recovery Wheel/ Air Purifier



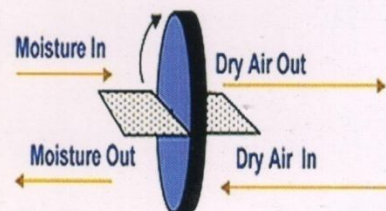
APPLICATION & BENEFITS

- Maintain Co2 level of 2000 PPM TO 4000 PPM without losing temp of cold storage.
- Extract Ethylene gas qty in cold storage.
- Maintain Temperature without opening ventilation option e.g. door or window.
- Extract Ammonia gas due to leakage from piping in side of chamber.
- Increase quality of vegetable/fruits by air purification.
- Prevent sprouting of vegetables-potato, onion and others.
- Maintain Humidity level.

1. Heating/Cooling Energy (e.g. 80%) Is Always Returned To Where It Came From



2. Moisture and Dry Air (e.g. 80%) Is Always Returned To Where It Came From





Electrical Panel VFD

APPLICATION OF VFD/PLC SYSTEM:-

- Indication of Co2 level.
- Indication of Ammonia/ Ethylene Level
- Temperature controller.
- Alarm system on any fault related to temperature/ temperature/ Humidity or gas leakage.
- Alarm system to controller compressor, lighting, Fan or other instrument.
- Display on screen of PLC, or on your computer/Laptop / mobile by the help of data logger and internet connection.

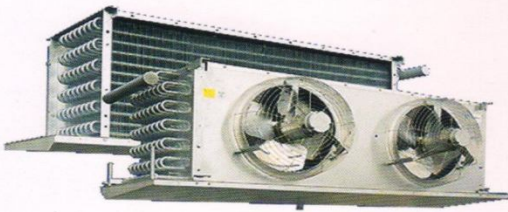




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Cold Solution EQUIPMENTS AND OTHER MACHINERY

The company is supplier of All type of refrigeration systems- Ammonia/ Freon based (Atmospheric condenser, PHE, Compressor, LPR, H.P. Evaporator, Coil, processing plant set up, Blast Freezer, Screw compressor, Valves, Pump, Air purifier Systems, Humidifier/De-Humidifier System.



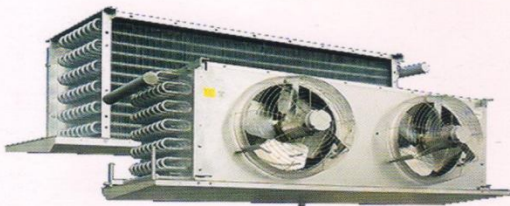
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