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INDUSTRIAL REFRIGERATION PVT. LTD.

www.irl.co.in





About Us

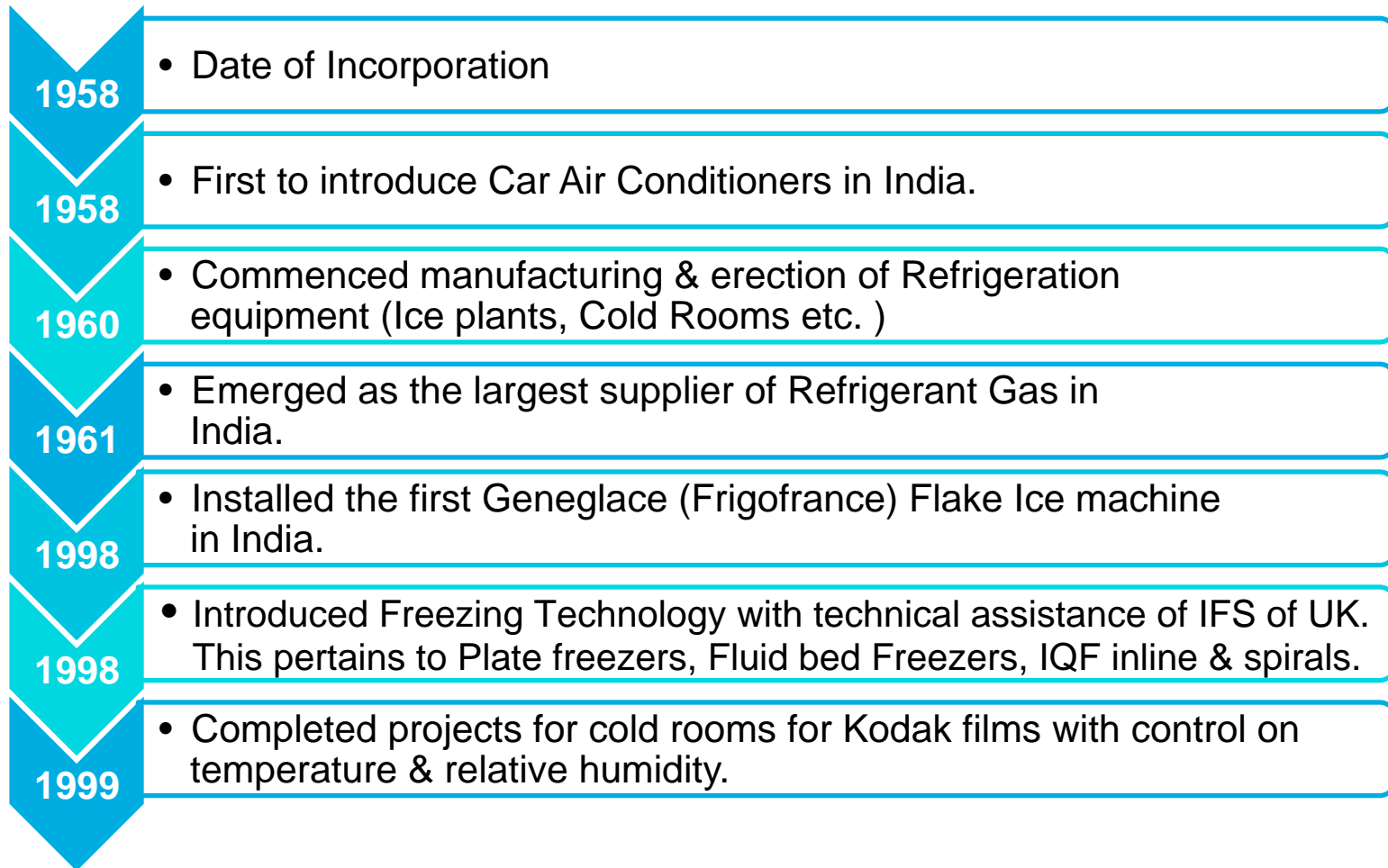
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- **INDUSTRIAL REFRIGERATION (IR)** was formed in 1974. And later it was converted in to a Private Limited company called as **INDUSTRIAL REFRIGERATION PVT. LTD. (IRPL)**
- IRPL offers complete food processing plants & ultra modern cold storages on near-turnkey basis.
- IRPL represents : **IFS of UK, IBEX & Honeywell Realm Of UK** for refrigeration systems used in supermarkets.
- Industrial Refrigeration is one of the oldest & largest suppliers of gases like R-11, R-12, R-13, R-22, R-113, R-114, R-502, and R-503 in the country.
- **IRPL** is a part of the 52 year old Allstate Group.



Company History

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Company History

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2009

- Introduced Post Harvest Technology with technical backing from Eshet Eilon of Israel relating to Treating, sorting & grading of fruits & vegetables.
- Value addition in sea food poultry and meat with Technical assistance of Kroma A/S of Denmark for seafood.
- Modified atmosphere & control atmosphere cold rooms & also ripening chambers for fruits. With technical assistance from Fruit Control Of Italy.
- Refrigeration plants & equipment for milk, Ice-cream, cheese, yoghurt, butter and ghee.



Why Us

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- From concept to commissioning.
- 50 years of experience in Refrigeration.
- High quality at a very reasonable cost.
- After sale service with Integrity.



Application Areas

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- **Food Industry**
- **Chemical Industry**
- **Oil and Gas Industry**
- **Entertainment Industry**
- **Hospitality Industry**
- **Supermarkets**



Products Manufactured at Industrial Refrigeration unit at Poona.

- Flake Ice units 5tons/24hr to 30ton/24hrs(Freon/ammonia)
- Air cooling units ceiling suspended and floor mounted in ammonia and Freon for Cold Stores
- Air Cooled condensers in Freon. Shell and tube for Freon with integrally finned copper tubing and with ERW BS 3059/3 tubes for ammonia.
- Evaporative condensor with BS 3059/3 ERW tubes zinc metallized and also in SS 304 seamless tubes. This will be from 5TR to 400TR.



Products Manufactured at Industrial Refrigeration unit at Poona.

- Ice bank and brine coils for ice bank system and also for brine cooling with horizontal and vertical liquid separators.
- Fluid bed freezers from 500 kg/hr to 2000 kg/hr.
Inline freezers of 500/1000/1500 kg/hr and spiral freezers of 500/1000/1500 kg/hr in technical collaboration with IBEX Food System Ltd., UK.
- Grading and sorting equipments in fruits/vegetables under technical guidance from M/S Eshet Eilon of Israel.



Products & Services

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Food Industry



Oil & Gas Industry



Entertainment Industry



Hospitality Industry



Supermarkets

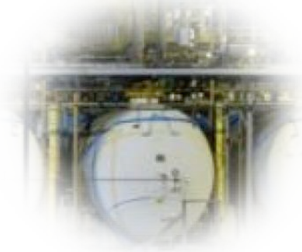


Products & Services

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Food Industry





Food Industry

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We offer turnkey refrigeration systems for food processing especially dairy, beverage, fruits/vegetables, meat, poultry and sea food processing plants.



Fruits & vegetables



Meat & poultry



Sea food



Food Industry

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Plate Freezers



Flake Ice Machines



Cold Rooms



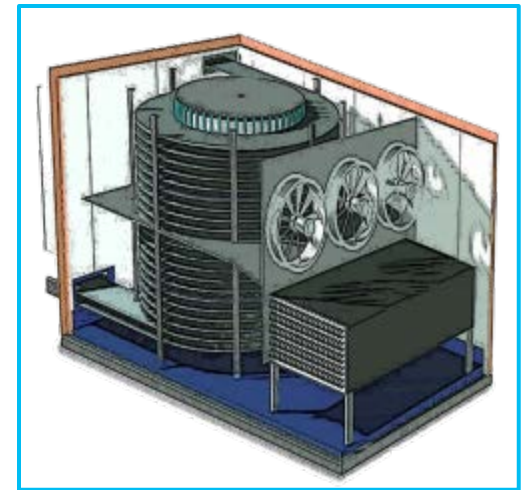
Plate Freezers



Horizontal Plate
Freezers



Vertical Plate Freezers



Spiral Plate Freezers

Horizontal Plate Freezers



Applications:

- Batch freezing of product in boxes, cartons, frames or trays.
- Fish, shrimp etc
- Meat and poultry
- Ready meals
- Vegetables
- Suitable for land based applications or marine use.

Features:

- Extruded aluminium freezer plate for efficient heat transfer.
- Twin Hydraulic jack standard
- Stainless Steel framework throughout
- Integral hydraulic power pack option
- Stainless steel clad insulated enclosure with doors or curtains. Or bare machine option

Vertical Plate Freezers

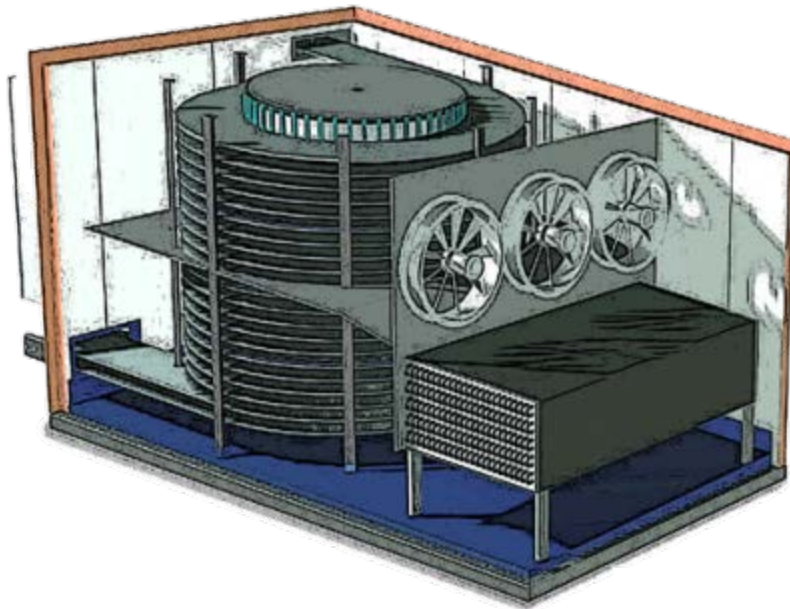


Features:

- Easy loading by hand – offal
- Easy loading by pump – minced produce
- Easy loading by conveyor & chute – fish
- Freezing into blocks – Flat & uniform, easy to unload, efficient to stack, package & transport
- Ergonomic load and unload heights and divided stations enable manageable block combinations
- Automated land use – Vertical Bottom discharge – allows loading and unloading spaces to be separate
- Low freezing and maintenance costs – Minimal energy consumption, easy installation to refrigeration plant
- Preserves product quality and minimises production cycle times – Dual contact rapid freezing



Spiral Plate Freezers



Features:

- Compact design spiral freezer.
- Chill / freeze options.
- Infeed and discharge layouts to suit individual requirements.
- Modular construction utilising standard design components.
- 'Delta Airflow' for high thermal efficiency.
- R707 or 404A refrigeration.
- Simple robust, reliable design.
- Easily cleaned and defrosted.
- Planetary direct drum drive for low maintenance and efficient operation.
- Suitable for freezing and chilling of medium retention time products such as formed meats, potato products, ice-cream etc.





- A dry and subcooled ice
- A stationary and insulated cylinder
- Few moving parts liable to wear and tear
- Little mechanical constraints
- Optimum thermal exchange
- Compatibility with numerous refrigerants: R717, R 404A, R22, etc.
- Manufacturing of the pressure vessel under independent survey.



Cold Rooms

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Cold Rooms

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- **INDUSTRIAL REFRIGERATION P. LTD.** Offers Cold Stores, Modular Walk-In Cold Rooms, Reach-in mini Cold Rooms & Cold Room with Display Shelves. 
- These are widely used in Hotels, hospitality industries, Canteens etc.
- The Modular panels used for Cold Rooms ranges from 400-600-800-1200 mm wide and 40-150 mm thick.
- The panels consists of two galvanised steel sheets covered with food safe plasticized film. Junction between panels is realized by an eccentric hook system.
- The Cold Room modular structure is self-bearing, it can be disassembled, made bigger and moved to a different location without damaging it in any way.
- Flooring is of non-slip stainless steel/aluminium suitable for bearing a load up to 2000 Kg/m². Doors can be either hinged type or sliding type.
- A split or monoblock refrigeration system is incorporated, running on Eco-Friendly refrigerants.
- Thermopane window can be incorporated in the cold room panels which will enable viewing of the products from outside the cold rooms.



Products & Services

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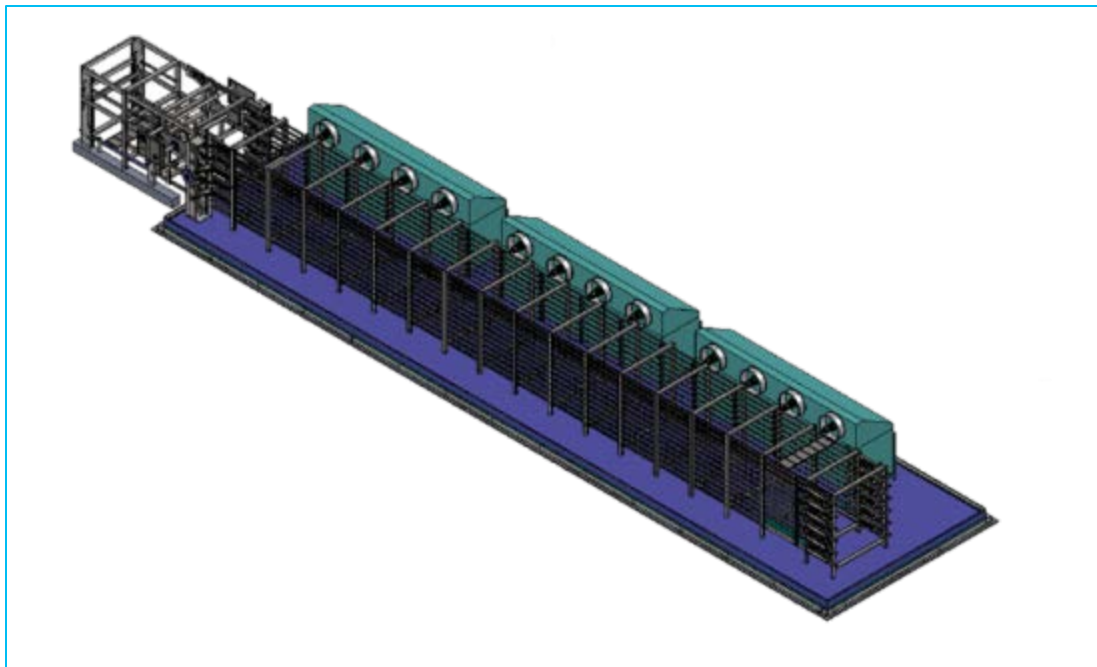


Oil & Gas Industry





We are offering following refrigeration systems for **Oil & Gas Industry**

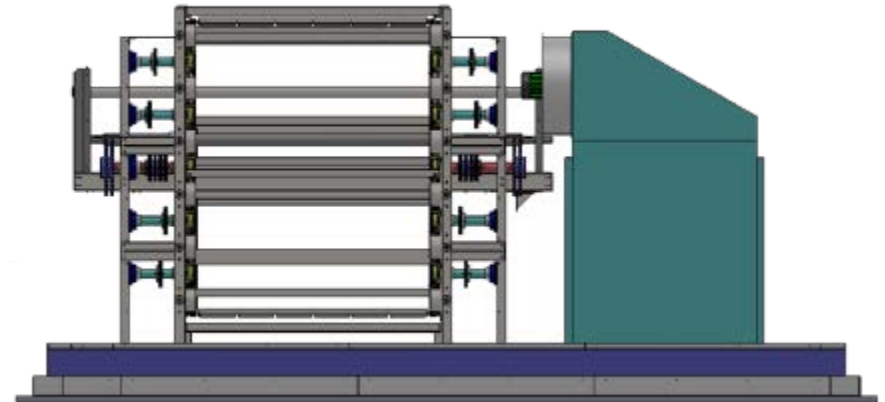
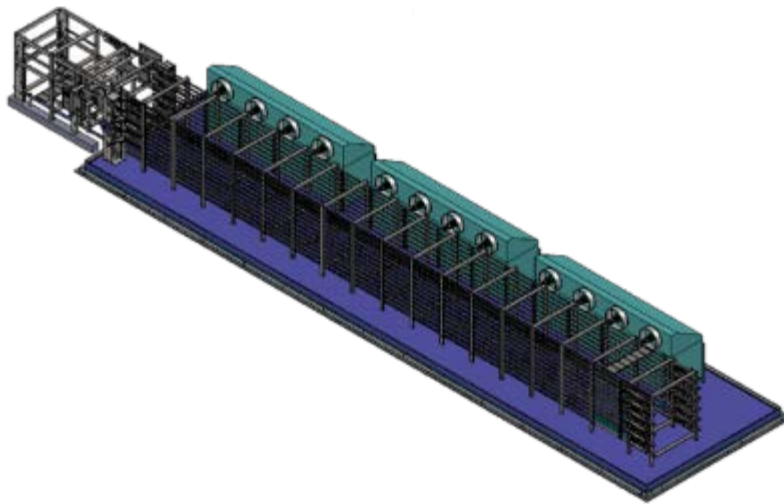


Wax moulding systems



Wax Moulding Systems

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Automatic paraffin wax slabbing with maximum block accuracy

- Fully automated system with a slab mass accuracy of $\pm 0.5\%$
- Typical capacities of 1.5 to 7 tonnes per hour
- Designed for total plant integration
- Suitable for food grade products
- Depositing using mass flow meter
- Minimal product change over times and product loss achievable.

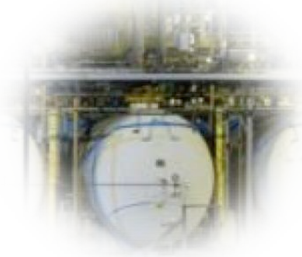
System supply can include:

- Refrigeration plant, Packing line & Palletising
- Installation and commissioning
- Training programmes
- Spares and after sales service



Products & Services

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Entertainment Industry





We are offering following refrigeration systems for **Entertainment Industry**

Skiing

Skating

Snow rooms



ALL-WEATHER SNOW GUN:

- The all-weather snow gun produces snow whatever the ambient temperature may be (from - 10 degree C to + 30 degree C). The equipment is made from Industrial Refrigeration Components. It is designed to last over 20 years.
- The new gun produces snow through a unique process of heat exchangers. Firstly, the water is chilled with an ice flaker modified for this application.
- It is then mixed with cold air through an original mixing device to produce snow within the dedicated portable plant and distributed via a flexible pipe in a flow of cold air to be sprayed at a distance of a 100 m away.
- Outputs vary according to the ambient temperature but one gun could normally produce between 50 and 55 m³ per day which has a covering power over 3-4 days of 1000 m³ with snow 20 cm deep.
- The Snow gun can be installed and serviced in Mumbai.



Ice Skating Rinks

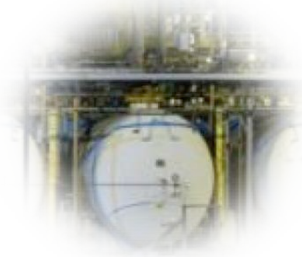
Technical Details

Size of Skating Rink	100' X 50'
Thickness of Ice	25mm
Dry Bulb inside Hall	20°C (70°F)
Wet Bulb inside hall	(60°F)
Use of Rink light public skating	
Refrigeration load	40 TR
Floor Concreting & insulation	150mm Heavy Density Thermocole



Products & Services

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Hospitality Industry





Hospitality Industry

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We are offering following refrigeration systems for **Hospitality Industry**



Walk-in Coolers



Blast Freezers



Cold Rooms



Blast Freezer

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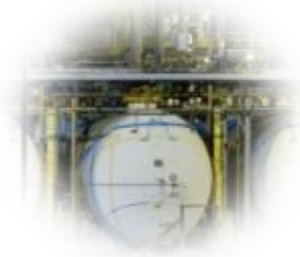


- Blast freezers are mainly used to freeze big fish, meat, chicken and dairy products and most importantly pre-cooked meals.
- Blast freezers are constructed from puf panels of 150mm.
- Depending upon the product use, the internal portion of the blast freezer can be of either stainless steel or galvanized sheet with food safe paints pre-coated on the sheets.
- The temperature maintained inside the blast freezer is around -20°C .
- Depending upon the product, the freezing time also varies from 4hrs to 6hrs.
- Capacity of the blast freezer depends on different products. The most common capacity of blast freezer is 1ton/6hrs & 2ton/6hrs.



Products & Services

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Supermarkets



Super Markets

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We are offering following refrigeration systems for **Supermarkets**.



Consultancy for Supermarkets

Merchandisers Chilling /
Freezing

Cold Rooms



Partial Client List

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MEAT & POULTRY SECTOR:

Cold Storages & Blast Freezing System for Meat Processing Plant ▶ Tajbajina.

Cold Storages & Blast Freezing System for Poultry Processing Plant ▶ Pune.

SHRIMP / FISH PROCESSING SECTOR:

Cold Storages, Plates Freezer, Flake Ice Machine

& Refrigeration System with Screw compressor ▶ Pennar Aqua Export Ltd. - Nellore.

Chill Room ▶ Bhatsons Aquatic Products - Cochin.

FRUITS & VEGETABLE SECTOR :

Cold Store, Frozen Store & Chilling Water System ▶ Mango processing Plant - Ahmednagar.

Amar Cold Store ▶ Nasik



Partial Client List

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BAKERY & CONFECTIONERY SECTOR :

Refrigeration for Chilled Water System & Fermentation room for Bakery ▶ QAF - New Bombay.

Refrigeration for Chilled Water System for Bakery ▶ Gaylord Bakery - New Bombay.

BEVERAGE SECTOR :

Chilled water generation system for Syrup cooling ▶ Spencers - Madras.

Chilled water generation system for Syrup cooling ▶ Parles - Nagpur.

Chilled water generation system for Syrup cooling ▶ Parles - Madras.

Chilled water generation system for Syrup cooling ▶ Parles - Jaipur.

Chilled water generation system for Syrup cooling ▶ Parles - Cochin.

Chilled water generation system for Syrup cooling ▶ Parles - Vizag.

Glycol Chilling system ▶ Torino ' Madras.



Partial Client List

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DAIRY SECTOR :

Ice bank system for Milk Chilling Centre ▶ Chintamani - K.M.F. - Bangalore.

Ice bank system for Milk Chilling Centre ▶ Hereukar - K.M.F. - Bangalore.

Ice bank system for Milk Chilling Centre ▶ Nellore - A.P.D.D.Co. Fed. - Hyderabad.

Ice bank system for Milk Chilling ▶ College of Dairy Science - Thirupathi.

Ice bank system for Milk Chilling Centre ▶ Anandapur - K.M.F. - Bangalore.

Ice Bank system for Milk Chilling Centre ▶ Honali - K.M.F. - Bangalore.

Ice bank system for Milk Chilling Centre ▶ Puttur - K.M.F.- Bangalore.

Refrigeration System for Cold Stores & Butter Deep Freeze ▶ A.P.D.D. Co. Fed. - Warangal.

Cold Storages for Milk Product factory - Vizag ▶ A.P.D.D. Co. Fed. - Hyderabad.

Refrigeration System for Milk Chilling Centre ▶ TD.D.Co. Fed. - Salem.

Complete Ice Cream Plant & Refrigeration ▶ Kwaliti Ice Cream - Delhi.

Complete Ice Cream Plant & Refrigeration ▶ Dollops Ice Cream - Delhi.

Dairy Plant & Refrigeration Premier Nutrition - Dewas.

Refrigeration Plant for Dairy ▶ Poison Dairy - Ahmedabad.

Freezing Tunnel for Ice Lollies ▶ Sri Vinayak Icecream ' Mumbai.



Partial Client List

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OIL / PHARMACEUTICAL/CHEMICAL SECTOR:

Cold Storages of various cap. & temp. For storage of Lab. Reagents ▶ Span- Bio Tech.- Surat.

Chilling Unit Cap. 20TR for Oil Extraction Plant - Sangli.

Chilling Unit Cap. 1 OTR for Oil Extraction Plant - Piparia.

Chilling Unit Cap. 15TR for Oil Extraction Plant - Gwalior.

Brine Chilling Unit. Cap. 15TR. ▶ ISRO.

Chilling Unit Cap. 15TR ▶ ISRO.

Chilling Plant - Cap-60TR ▶ Superior Carbonates &- Chemicals Ltd. - Dehradun.



Partial Client List

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PHOTOGRAPHIC INDUSTRY

Kodak India Ltd.

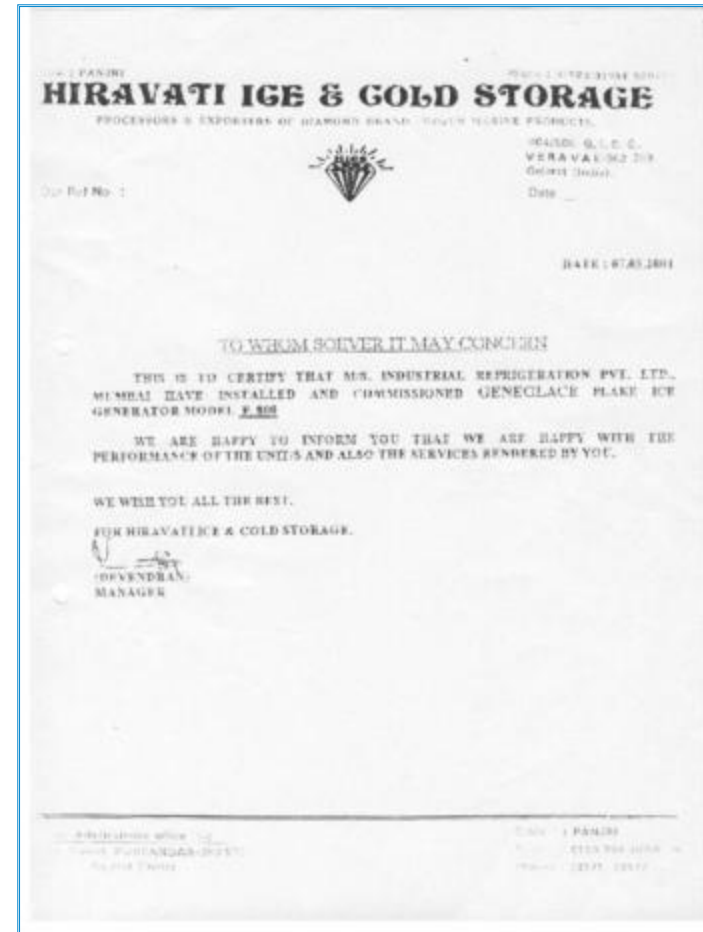
C& F Agents:

- ▶ Rajesh Arora & Co. Ltd. - Cold storage for photographic films and Paper - New Delhi
- ▶ Rashmi Agencies - Cold storage for photographic films and paper - Cuttack.
- ▶ Jay Enterprises - Cold storage for photographic films and paper - Pune.



Testimonials

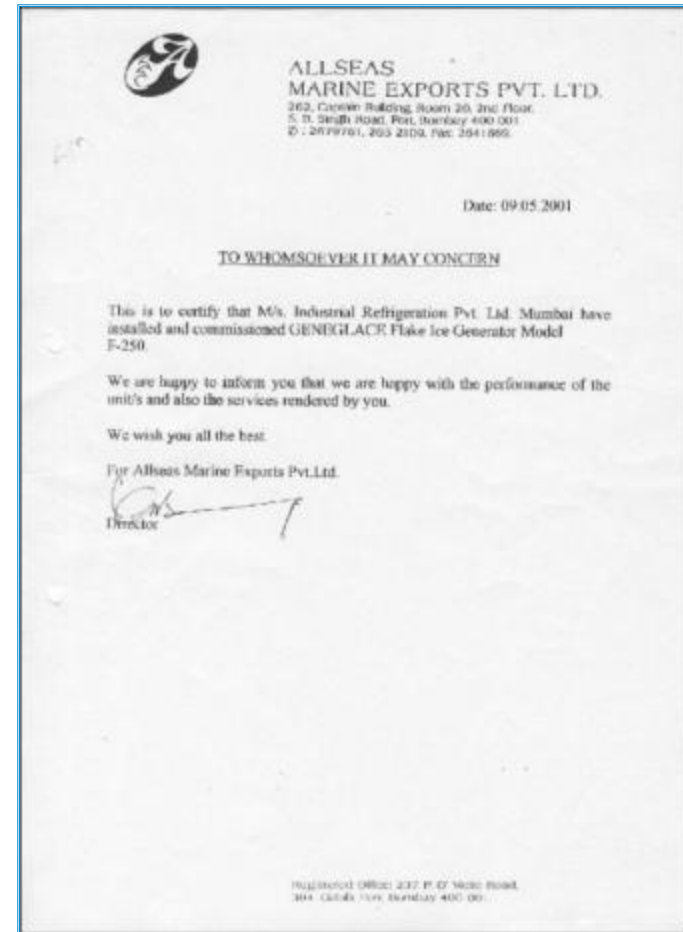
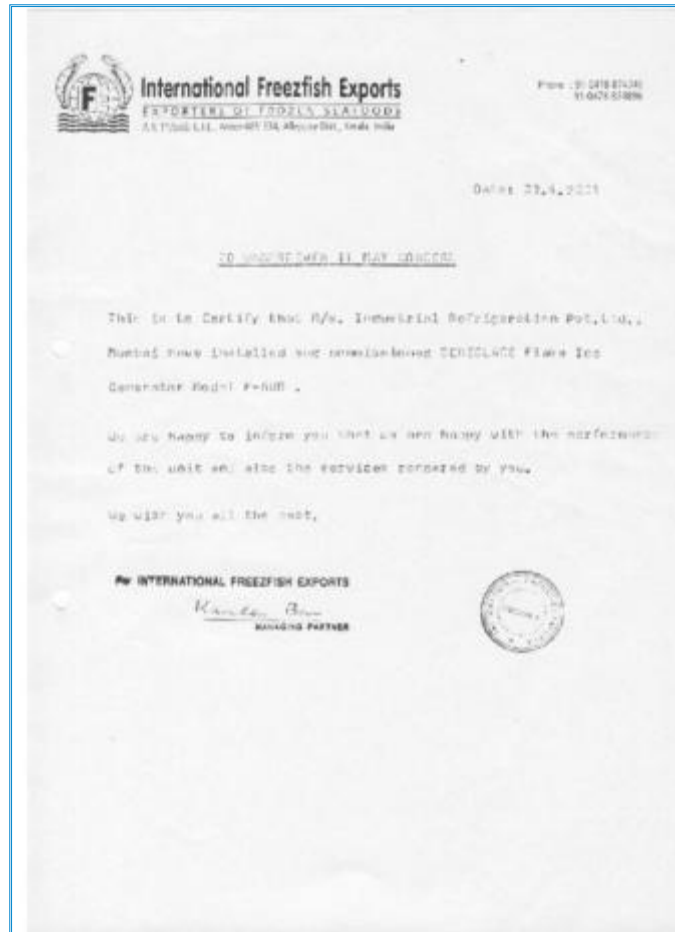
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Testimonials

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Testimonials

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Amisons
0832 228 441

Amison Fisheries Limited,
T/SA, Cardam Building, Patel Plaza, G-403 001, (Pune)
Tel: (0832) 294432 / 222041
Tel: (0194) 306 MARY IN
Fax: (0832) 228 441

DATE
16th OCT - 1998

TO WHOM SO EVER IT MAY CONCERN -

THIS IS CERTIFY THAT THE FLAKE
ICE MACHINE IS COMMISSIONED BY INDUSTRIAL
REFRIGERATION PVT. LTD. IS WORKING SATISFACTORILY

16/10/98
CHRESH

16/10/98
CHRESH

Factory and Plant Engineer, Pankaj Road, Pune - 411 001, Maharashtra
Hq. Office: Amison Plaza, G-403 001, Pune - 411 001

bsf

BHAVANI SEA FOODS
Marine Foods Processors & Exporters
Plot No 12/13 - Fisheries Industrial Estate, C.I.T. Scheme
Dhule Road, VITKAWA, 436 207, (Nasik India)
Tel: 01 2676 - 43067 / 43061
Fax: 01 - 2676 - 26706
E-Mail: bhavani@bsf.co.in

Ref. No. _____ Date: 10.06.1999

TO WHOMSOEVER IT MAY CONCERN

THIS IS TO CERTIFY THAT M/S. INDUSTRIAL REFRIGERATION
PVT. LTD., MUMBAI HAS INSTALLED & COMMISSIONED 5000
GENGLACE FLAKE ICE GENERATOR. IT IS OBSERVED THAT
THE FLAKE ICE GENERATOR IS WORKING SATISFACTORILY.

For BHAVANI SEA FOODS

Partner,



Contact Us

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Corporate Office :

Industrial Refrigeration Pvt. Ltd.

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Nariman Point,

Mumbai - 400 021,

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