

# Development of Modern Wholesale Fruit Market- Tikri Khampur



October 14, 2011

# Presentation Structure

Sl. No.	Subject
1	Background
2-13	Rungis : Case Study
14	Proposed Facilities at Tikri Khampur Market
15	Key Features
16	Components of wholesale Fruit Market
17	Approach & Methodology
18	Road Ahead

# Background

- Ch. Hira Singh, Fruit and Vegetable Market, Azadpur is one of the biggest such markets in the world.
- Total area of Azadpur market is 76 acres.
- It is the National Distribution Centre for many fruits.
- 68 Vegetables and 50 Fruit varieties are traded in the market. In volume terms, Fruits and Vegetables have 50:50 share.
- Due to congestion at Azadpur market, it was decided to develop a new wholesale Fruit Market on 70.62 acres of land at Tikri Khampur on NH-1.
- Site proposed for new market is located on NH-1, near Singhu Border of Delhi. Location of site is convenient for fruits coming from Himachal Pardesh and Jammu & Kashmir.

# RUNGIS....



## Case Study Reference : Rungis

- Rungis is the **world's largest wholesale market** for fresh produce. Fish, meat, fruits, vegetables, cheese and even fresh flowers.
- The market is set up in 220 ha of land
- The market has 1,400 tenants with an estimated combined turnover of 7 billion Euros.

## Case Study Reference : Rungis

- Rungis has excellent Logistics Infrastructure in terms of Road and Air Connectivity. This ensures seamless inward and outward movement of produce to and from the market yard.
- The facility provides globally accepted phyto-sanitary conditions in the facility. This ensures that the produce moving out of the facility confirms to the global phyto-sanitary standards and can be sold across any market in the world.
- The facility has sections for display and Display of product, which ensure that buyers can access the product quality before purchasing the product

# Rungis... Overview



# Rungis



# Rungis: Fruit and Vegetable Market



# Rungis: Fruit and Vegetable Market



# Rungis: Air Cargo



# Rungis: Flower Market



# Rungis: Flower Market



# Rungis: Warehousing



# Rungis: Warehousing



## Proposed Facilities at the Tikri Khampur Market

- Fruit market will have integrated facility centre for cooling, ripening, grading, packing and waxing of fruits.
- Other Infrastructure Facilities include:
  - Shops- Big and Small.
  - Auction sheds
  - Cold stores
  - Banks, ATMs.
  - Cafeteria, food stalls.
  - Overnight stay.
  - Toilets.
  - Administrative Block.
  - Power backup, Water Storage.
  - Other ancillary services like, first aid, chemist shops, stationery etc.
  - Adequate parking for trucks, idle and loaded, cars, two-wheelers etc.
- Estimated cost of Development of Infrastructure is Rs. 700 crores (@ 10 crore per acre)

# Key Features

- Online entry of all products through barcode mechanism.
- The location of each carton at any point of time can be known.
- Efficient inventory control.
- Mechanized warehousing.
- 24 X 7 Cold chain maintenance.

# Components of wholesale Fruit Market

- Trading/ Auction Platforms
  - Japan Auction System
  - Dutch Auction System
- Processing
  - Sorting
  - Grading
  - Packaging
- Storage
  - Controlled/Modified Atmosphere storage facilities
  - Cold Storages.
- Container Freight Station.
- Multimodal interchange point.
- Truck Parking
- Traffic circulation System.

# Approach & Methodology

- Demand and Throughput Analysis
  - Primary Survey, Study of existing Azadpur Market.
- Identification of components and sizing
- Conceptual layout plan
  - Traffic Plan
  - Conceptual Master Plan
- Techno Economic Feasibility study
  - Project Cost
  - Financial Modeling
  - Financing Options/Subsidy options
  - Project Procurement options

# Road Ahead

- Appointment of DSI IDC as Project Implementation Agency.
- Appointment of Transaction Advisor and Architectural Consultant by DSI IDC.
- Design Approval.
- Financial Closure.
- Statutory Clearances.
- Project Implementation / Construction.