







**Understand the Chemicals**  
(MSDS, HAZ, Flammable)



**Material Handling Equipment**  
(Forklift, AFL, BOPT)



**Compliance and Regulations**  
(Fire NOC, PCB, Gram Panchayat)



**Inventory Management**  
(MOH, Cycle time, ABC)



**Risk Assessment**  
(HIRAC, Insurance)



**Training and Education**  
(Toolbox Kit, Internal & External (45001))



**Storage Infrastructure**  
(Racking, Roofing, Flooring)



**Security Measures**  
(CCTV, AI)



**Safety Measures**  
(Visual Images in next slide)



**Continuous Improvement**  
(Technology)



**Very Early Smoke Detection Apparatus** (VESDA system) – laser-based smoke detector; fire detection between 8 to 9 secs (before visible to human eye)



**Dedicated Access Controlled Area** for Flammable **Material Storage**



**Fire Hydrant System with Top and In-rack Sprinklers**



**Chemical Compatibility Matrix**



**Self Contained Breathing Apparatus**



**Spill Pallet for LBD** (Leakage, Breakage, Damage) purposes



**Eye Wash station and Body Shower** arrangement



**MHE Charging Rooms**



Telematics to be introduced shortly with indications for

- Safety belt
- Door open
- Over Speed warning
- Sudden jerk
- Reverse cameras
- Dash cams
- Temperature data loggers
- Geofencing
- GPS navigation





## Warehousing Services & Supply Chain Management

Inward to dispatch operations  
Class 2, 3, 4, 5, 6, 8 & 9 as per International Maritime Dangerous Goods (IMDG)  
6,00,000+ MT Volumes Handled per annum – Warehousing + Factory Logistics  
SOP Driven Operations



## Infrastructure

7,82,000+ SQ FT Chemical Facilities Situated in 48 Locations across India  
35,000 MT Inventory Carrying Capacity  
Temperature Controlled Chambers – Cold Chain Management  
Separate Spill / Water Contamination Drainage System  
Fire Fighting System  
Very Early Smoke Detection Apparatus – VESDA



## EHS, QA & Compliance

Personnel trained for DG Handling and Storing  
Quality Management System (QMS)  
MPCB approval  
DG goods storage license  
Local & State level NOCs  
Compatibility Matrix



## Renewable Source of Energy

Solar Power Plant



## Trimming Electrical Emission

LED and Motion Sensors  
Timers and Inverter AC's  
Offset of 7000MT amount of Co2 emission  
Target to mitigate 30% yearly



## Solar Reflective Index

Helps mitigate heat island effect by application of Cool roof paints done across the roof of PEB buildings



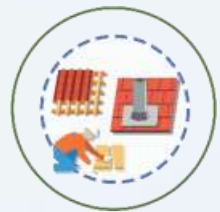
## Green Procurement Policy

CAPEX – By high efficiency, low power enhanced performance  
OPEX – CNG transportation and EV vehicles usage



## Harnessing Day Light

Higher than minimum requirement ( 10-12% Overall )



## Insulation

Roof and Walls covered with Thermal insulation for Less Thermal Transmittance



## Landscaping

Plantation of 1500-2000 trees in all Warehouse premises  
Development of Grass beds



## Health & Wellbeing

Indoor Plantation  
Purified Drinking Water  
Commuting and Recreation Services  
Air Sterilizers



## Rainwater Harvesting

Ground Water Recharge System



## Certifications

Indian Green Building Council  
EcoVadis





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# THANK YOU

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