



Maximum Space Utilization with Flexible Solution for Solar Power Product Manufacturer

Case Background

Our esteemed client is a fast growing vertically integrated solar power product manufacturer which is a renewable energy arm of a diversified group. The group employs 2000+ people. They have manufacturing infrastructure in Africa & Asia; and sales footprint worldwide. Our client used a traditional warehouse system where pallets were stored on the ground in a block storage manner, with the storage of RM, PM and FG in different dedicated warehouse spread across the manufacturing premises.

They realised that multi storage system in different warehouses was affecting their business and production. Turnaround time (TAT) and dispatch time increased due to inefficient tracking of pallets in line feeding area and dispatch area. With the increasing demand of goods, especially in the peak seasons, our client decided to shift to a consolidated warehouse to store all their RM, PM and FG.

Challenges

As the storage of raw material, packaging material and finished goods was planned in the same area, 100% selectivity became critical. Nimble landscape of Indian solar industry demanded an adaptable solution coupled with fast paced operations. The major intralogistics parameters which needed to be addressed while envisioning the facility were:

- **Variety of Pallet Sizes:** To conceptualise an efficient warehouse facility with all the FG, RM and PM pallets of varied sizes and depth, with maximum space utilisation became an immense task.

- **100% Selectivity & Inventory Tracking:** 100% selectivity for the products with accurate inventory tracking mechanism was the critical area which needed to be addressed while designing the solution.

- **Adaptable and Flexible Solution:** Warehouse Facility with flexibility to convert

into Full FG Storage in the future.

• **Return on Investment:** Moreover, ROI through this facility was a key factor in designing the solution.

Solution

The major highlights of the storage solution proposed and provided by us are as:

Products Installed & Capacity

1. Mobile Pallet Racking : 5519 Pallet Positions
2. Location Management Software

Key Highlights of the Solution

- World class mobile pallet racking covering maximum facility footprint with rail of 86 meter length and undercarriage of 43 meter length.
- Storage up to height of 8.1 meter to fully utilize valuable vertical space
- Storage Racks designed to accommodate varied width and depth of pallets of RM, FG and PM storage.
- Effective layout for conversion of entire Warehouse into FG, as the business grows.
- Extra 70% pallet positions conceptualized in same area when compared to Selective Pallet Racking

Godrej Storage Solutions Advantage

- Solution designed with optimum & organized material flow
- Maximum space utilization in the warehouse with the cubic space created to the tune of 1.25 lakh cubic feet
- Intelligent Software Module for Location Planning & Inventory Tracking
- Special accessories to accommodate custom pallet sizes of various types
- Better illumination in the warehouse for efficient operation



For More Information, please contact:

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