CASE STUDY 3: M/s VMRDA – The Deck Building

High-Capacity Dual 1,010 kVA Synchronized Power Solution for Commercial Landmark



VMRDA The Deck Commercial Building



Dual Sunbeam 1,010 kVA DG Sets On-Site

Project / Client	M/s VMRDA – The Deck Building
Location	Visakhapatnam, Andhra Pradesh
Application Sector	Commercial Landmark / Government & Private Offices
OEM Manufacturer	**Sunbeam Generators**
DG Set Configuration	2 × 1,010 kVA Diesel Generator Sets
Total Installed Capacity	2,020 kVA
Scope of Work	Supply, Installation, Commissioning & Synchronization Panel
DG Running Hours	500 Hours (Successfully Completed)

1. Project Overview

The Deck Building is a premier commercial landmark in Visakhapatnam housing central and state government offices, corporate headquarters, and multi-level car parking facilities. Sunbeam Generators engineered and commissioned a robust 2,020 kVA dual generator arrangement to provide reliable backup power across all floors.

2. Key Challenges & Requirements

- **Dynamic Commercial Loads:** Managing shifting office power usage, central air conditioning, lighting, and elevator banks.
- **Redundancy & Load Management:** Providing full backup redundancy with flexible dual-generator synchronization.

3. Sunbeam Solution & Value Delivered

- **Dual 1,010 kVA Power Architecture:** Supplied and commissioned 2 units of Sunbeam 1,010 kVA DG sets offering 2,020 kVA total backup.
- **Smart Load Sequencing:** Integrated synchronizing panel automatically coordinates generator startup and load sharing based on peak building occupancy.
- **Proven Performance:** Demonstrated outstanding operation across 500+ running hours with complete customer satisfaction.