CASE STUDY 4: M/s Navaratna Trade Center

Multi-Capacity 2,510 kVA Integrated Power Solution for City-Center Commercial Hub



Navaratna Trade Center Complex, Visakhapatnam



Sunbeam Canopy DG Set with Exhaust Piping

Project / Client	M/s Navaratna Trade Center
Location	Visakhapatnam (Vizag), Andhra Pradesh
Application Sector	City-Center Commercial Trade Hub & Retail
OEM Manufacturer	**Sunbeam Generators**
DG Set Capacities	250 kVA + 500 kVA + 750 kVA + 1,010 kVA (4 DG Sets)
Total Installed Capacity	2,510 kVA
Scope of Work	Supply, Installation & Commissioning (SIC) with Synchronization
DG Running Hours	500 Hours (Successfully Completed)

1. Project Overview

Navaratna Trade Center is a flagship commercial destination in the heart of Visakhapatnam accommodating retail outlets, financial institutions, corporate offices, and restaurants. Sunbeam Generators executed a versatile 4-generator solution delivering a combined installed capacity of 2,510 kVA.

2. Key Challenges & Requirements

- **Wide Range Load Variations:** Navaratna Trade Center experiences wide load fluctuations between night-time baseline and peak business hours.
- **Space & Acoustic Constraints:** Deploying multiple high-capacity generators within tight city-center space constraints while meeting strict noise and emission norms.

3. Sunbeam Solution & Value Delivered

- **Versatile 4-Capacity Array:** Supplied 250 kVA, 500 kVA, 750 kVA, and 1,010 kVA Sunbeam DG sets to provide maximum operational flexibility.
- **Optimal Fuel Efficiency:** The multi-generator synchronization panel engages only the required generator combinations, minimizing fuel consumption.
- **Proven Track Record:** Completed over 500 running hours without downtime, making it a benchmark installation for commercial complexes.