POWER BACKUP CASE STUDY COMPENDIUM

Featured Project Installations & High Block Load Applications | Sunbeam Generators

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CASE STUDY 1: LV Prasad Eye Hospital

Powering Critical Healthcare Infrastructure with High Block Load Performance



LV Prasad Eye Hospital Facility & Sunbeam 625 kVA DG Set

Project / Client	M/s LV Prasad Eye Hospital
Location	Visakhapatnam (Vizag), Andhra Pradesh
Application Sector	Healthcare / Eye Care Hospital
OEM Manufacturer	**Sunbeam Generators**

Generator Capacity	625 kVA Diesel Generator Set
Scope of Work	Supply, Installation & Commissioning
DG Running Hours	500 Hours (Successfully Completed)
Key Application	Critical Healthcare Equipment Backup

1. Executive Summary

Healthcare institutions demand uninterrupted, highly reliable power backup to operate sensitive medical devices and life-critical equipment. M/s LV Prasad Eye Hospital in Visakhapatnam partnered with Sunbeam Generators to install an end-to-end 625 kVA power solution capable of seamlessly handling heavy block loads without voltage fluctuations.

2. Key Challenges & Requirements

- **Critical Healthcare Equipment Support:** Ensuring immediate power transition without voltage dips or frequency variation during main grid failure.
- **High Block Load Capacity:** Accommodating high starting currents and sudden load steps from heavy medical diagnostics and HVAC systems.

3. Sunbeam Solution & Value Delivered

- **High Block Loading Performance:** The Sunbeam 625 kVA DG set absorbs sudden large load steps instantaneously, ensuring zero interruption to surgeries or diagnostic units.
- **Turnkey Execution:** Complete supply, installation, and commissioning managed seamlessly on site.
- **Proven Operational Reliability:** With over 500 running hours completed smoothly, the client expressed full satisfaction with Sunbeam Generators' performance.