SUNBEAM GENERATORS PVT. LTD.

PROJECT CASE STUDY REPORT

Reliable Power & Project and Technical Solutions | Authorized GOEM of Kirloskar Diesel Generator Sets

1. PROJECT OVERVIEW

Project	CQP Plant
Customer	M/s Amararaja Infra Projects Ltd
Location	Hyderabad
Application	Battery manufacturing plant
Generator Capacity	1010 kVA
Quantity	1 No's
DG Set Model	DV 16 ETA G3
Scope	Supply / Installation / Commissioning / Testing of 1 No's of 1010 kVA DG Set with 30Mtr Exhaust stack and AMF Panel.
Project Completion	2026

2. CUSTOMER REQUIREMENT / PROJECT CHALLENGE

The customer required a reliable power backup solution along with comprehensive project execution support to ensure the timely inauguration of the CQP (Customer Qualification Plant).

One of the major challenges was the shifting, lifting, and precise positioning of the 30-metre exhaust stack at the site due to space constraints. This required careful planning, coordination, and execution to ensure safe installation within the available space and as per the project schedule.

3. PROPOSED SOLUTION

Sunbeam Generators Pvt. Ltd. proposed a customised power backup solution based on the customer's electrical load requirements, site conditions, and operational needs.

As part of the project scope, Sunbeam designed and executed the 30-metre exhaust stack and developed the AMF panel in accordance with the specific project requirements.

We hired 250Ton Telescopic hydraulic crane with radius of 35mtr, we prepared method statement and JSA of procedures as per site requirements we successfully executed the job.

All project-related engineering designs and technical documents were submitted within the stipulated timelines. Through effective planning and coordination, Sunbeam successfully executed and completed the project within one month, meeting the customer's schedule and expectations.

4. PROJECT EXECUTION

Sunbeam coordinated the project activities, including:-

- Preparation of detailed project schedules & Gant chart
- 30 M Exhaust stack works
- AMF Panel commissioning
- Auto Operation as per site team requirements

5. PROJECT RESULTS & BENEFITS

The implemented solution delivered the following key benefits:

- Timely Project Completion: Successfully completed the project within the committed timeline, supporting the customer's planned CQP inauguration schedule.
- Reliable Power Backup: Delivered a dependable standby power solution to support uninterrupted plant operations during power outages.
- Customised Engineering Solution: Designed the AMF panel to meet the project's specific electrical and operational requirements.
- Successful 30-Metre Stack Installation: Overcame site space constraints through proper planning and coordination, ensuring safe shifting, lifting, and positioning of the exhaust stack.
- End-to-End Project Execution: Provided integrated support covering engineering, design documentation, supply, installation, and commissioning.
- Effective Project Coordination: Ensured smooth coordination among the customer, project team, and technical stakeholders for timely execution.
- Customer Satisfaction: Delivered the solution in line with the customer's technical requirements, project schedule, and expectations.

6. PROJECT HIGHLIGHTS

Installed Capacity	1x1010 kVA
Total Power Capacity	1010 kVA
Application	Battery Manufacturing plant
Solution Provider	Sunbeam Generators Pvt. Ltd.
DG Set OEM	Sunbeam Generators Pvt. Ltd.
Project Scope	SITC of 1x1010 kva & Exhaust stack & AMF Panel
Project Status	Completed

7. CONCLUSION

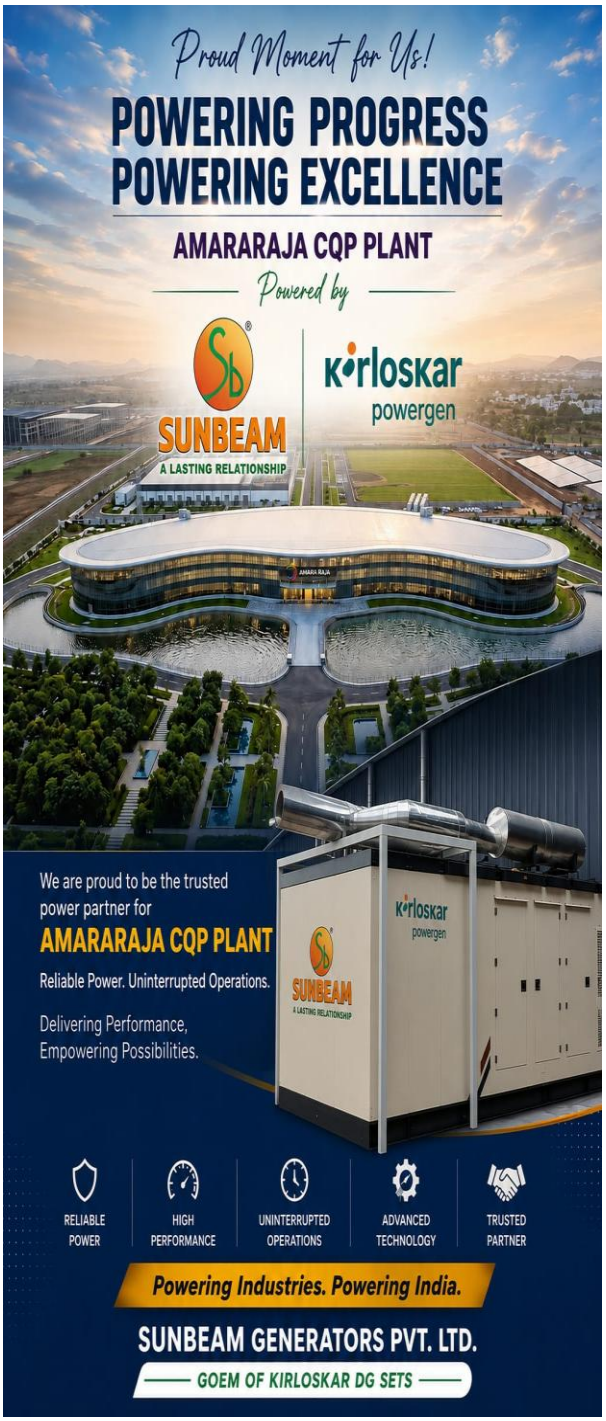
This project demonstrates Sunbeam Generators Pvt. Ltd.'s capability to deliver reliable and application-specific power solutions using Kirloskar Diesel Generator Sets.

Through technical expertise, coordinated project execution, and customer-focused service, Sunbeam continues to support customers with dependable power backup solutions across industrial, commercial, healthcare, and infrastructure sectors.

POWERING PROGRESS. ENSURING RELIABILITY.

Site Photos:-




Proud Moment for Us!
POWERING PROGRESS
POWERING EXCELLENCE
AMARARAJA CQP PLANT
Powered by
SUNBEAM
A LASTING RELATIONSHIP
kirloskar
powergen
We are proud to be the trusted
power partner for
AMARARAJA CQP PLANT
Reliable Power. Uninterrupted Operations.
Delivering Performance,
Empowering Possibilities.
RELIABLE POWER
HIGH PERFORMANCE
UNINTERRUPTED OPERATIONS
ADVANCED TECHNOLOGY
TRUSTED PARTNER
Powering Industries. Powering India.
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SUPER CRANES