

POWER IN ACTION CASE STUDY

Apex Hospitals Pvt. Ltd.



EMERGE
आपातकालीन



Location

Malviya Nagar, Jaipur,
Rajasthan, India



Industry Segment

Multispeciality Hospitals
having 7 branches across
6 cities of Rajasthan



Quantity

3 units



Genset Rating

2 x 500 kVA (400 kW),
1 x 250 kVA (200 kW)

CLIENT PROFILE

Apex Hospitals is a renowned chain of super-speciality hospitals, led by expert medical professionals with over 30 years of experience. It was the first hospital in Rajasthan to receive ISO 9000:2008 certification.

A key strength of Apex Hospitals is its NABH accreditation, reflecting its commitment to delivering quality and patient-centric healthcare. With over 500 beds across locations in Jaipur (Malviya Nagar, Mansarovar), Sawai Madhopur, Bikaner, Jhunjhunu, Sri Ganganagar, and Udaipur, Apex continues to expand its reach.

The Malviya Nagar facility alone houses 200 beds, supported by a team of 70+ doctors and 40 nurses, offering multi-speciality care.

Aligned with its sustainability goals, Apex Hospitals has chosen Captiva's CPCB IV+ compliant diesel generators, reducing emissions and supporting environmentally responsible healthcare operations.



Key Features of Diesel Generator

- Market-leading block loading capability
- Conform to ISO:8528-5 steady state and transient response requirement
- Reliable, rugged & durable design
- Lower cost of ownership- cap in end-user cost
- Optimized fuel consumption over a range of loads

Challenges :

- **Simultaneous Load from Sensitive Equipment:** MRI machines, ventilators, and diagnostic units required clean, stable power to prevent malfunction or data loss
- **Limited Installation Space:** Installing high-capacity generators in a live hospital campus with limited space posed a major logistical challenge
- **Silent, Round-the-Clock Reliability:** Generators had to run 24/7 with low noise levels, especially near patient wards and recovery areas
- **Infrastructure Compatibility:** Required a solution that could integrate with the hospital's existing electrical system to control costs
- **Strict Compliance & Timelines:** Apex needed a compliant, CPCB IV+ solution delivered within a tight regulatory and project deadline



Solutions Provided :

- **High-Efficiency Diesel Generators Installed:** Captiva commissioned three high-performance generators with built-in redundancy, ensuring zero downtime during grid failure or scheduled maintenance
- **Acoustic Enclosure for Silent Operation:** Supplied with advanced noise-suppressed enclosures to maintain low sound pressure levels during continuous operation
- **Fast, Disruption-Free Installation:** Installed during low-traffic hours with no disturbance to hospital activities, followed by onsite training for facility engineers

“ Switching to Captiva gensets has truly transformed our operations. They provide consistent, reliable performance that effortlessly meets all our power needs. Compared to other options, we’ve seen a significant reduction in operational costs. Captiva’s team has been exceptional from start to finish, ensuring a smooth transition with prompt and thorough support at every step.

Captiva has become a trusted partner, and we are confident that this relationship will continue to grow as we expand our operations. We are happy to recommend Captiva gensets to others seeking dependable and cost-effective power solutions.

”
Chief Engineer,
Apex Hospitals Pvt. Ltd.



Our Promise :

A world-class product meeting localized needs. The product comes with optimized ownership and operating costs backed by limited warranty for uninterrupted performance

About Us :

Captiva was established to meet the growing demand for standby power in India. It has a dynamic team of customer-focused professionals providing end-to-end, sustainable energy solutions.

In 2019, Generac Group, a global leader in the energy sector, acquired a majority stake in Captiva. Being part of the Generac Group, Captiva is now better equipped to access advanced technology and extended resources, endeavouring to be a leader in India.

Captiva remains committed to delivering cleaner energy products and playing a responsible role for future generations. To present a one-window solution, Captiva has an established business vertical for Project Management using the latest technology while maintaining the highest level of safety standards: Captiva has successfully completed over 2000 projects, with on-time records and with zero injuries.



Contact Us:

Readers who have similar application requirements and would like to discuss this success are invited to write to us at crm@captivaenergy.com



1800 212 7600 (Toll Free)



+91 89811 12760