



Adding New Energy To Bapu Pariksha Parisar

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How Is India’s Largest Exam Center, Bapu Pariksha Parisar, Using Numeric’s Power Continuity Solutions to Support Millions of Careers?

Bapu Pariksha Parisar: At a Glance

Inaugurated by Bihar Chief Minister Nitish Kumar on August 24, 2023, Bapu Pariksha Parisar is India’s largest examination center located in Patna. This state-of-the-art facility can accommodate over 16,600 candidates simultaneously, plus an additional 3,500 for online examinations. Built on five acres at a cost of ₹202 crore, the complex features two five-story blocks, with plans for a third to raise capacity to 20,000. As a significant advancement in Bihar's educational landscape, Bapu Pariksha Parisar addresses the growing demand for online examinations mandated by state and central governments. Equipped with 44 large examination halls and a comprehensive CCTV system, it ensures security and integrity during assessments. For this landmark project, in just one day, Numeric implemented power continuity solutions, ensuring uninterrupted support for the infrastructure that powers the careers of millions of aspirants.

The Challenge

The examination center is crucial for thousands of students aspiring for competitive exams, where power disruptions could lead to data loss, forcing them to restart tests, impacting their performance and future opportunities. The uninterruptible power supply had to provide consistent service for 6,000 nodes, including computers, CCTV cameras, and servers, to meet stringent requirements. Before the installation of a Numeric UPS system, Bapu Pariksha Parisar relied on smaller units that offered only 5 to 10 minutes of backup power-insufficient for such a large-scale facility. The shift to online exams, expedited by the COVID-19 pandemic, increased the need for reliable power solutions, emphasizing the urgency for a dependable UPS system to maintain educational integrity in Bihar.

Success

Numeric ensured that the installation was completed in just one day, maintaining full operational capacity for the exams. The center benefited from 24/7 localized support, allowing for quick resolution of any issues. Proactive maintenance and monitoring features extended battery lifespan and reduced maintenance costs. Numeric’s Keor HPE supported the scalability for the center’s planned expansion to serve an additional 12,000 candidates. Thanks to the Keor HPE, no exams were disrupted by power outages, safeguarding the future and aspirations of countless students. Additionally, it led to significant cost savings, with reduced fuel consumption saving an estimated ₹100,000 annually while decreasing the institution’s carbon footprint.

24/7 Localized Support: Ensured peace of mind with skilled technicians always available.

Proactive Maintenance: Advanced monitoring extended UPS lifespan and reduced maintenance costs.

Scalability: The system was ready to expand to 12,000 candidates without major overhauls.

Power Continuity: Prevented exam disruptions, safeguarding students’ futures.

Significant Cost Savings: Reduced fuel consumption saved approximately ₹100,000 annually, lowering operational costs and carbon footprint.

As the Bihar Online Examination Center prepared for future growth, Numeric’s Keor HPE continued to be a trusted partner, ensuring that power continuity was not just about technology; it was about securing a brighter future for millions of students.

Our Solution

Bapu Pariksha Parisar required a UPS solution that excelled in efficiency, sustainability, reliability, backup systems, security, and localized service. Numeric emerged as the leader, offering 3 units of 300KVA of Keor HPE UPS, a high-efficiency Online Double Conversion three-phase UPS with the latest generation 3-level IGBT technology, which achieved up to 96.4% efficiency, greatly reducing operational costs. The N+X redundancy feature allowed connection of up to 6 units in parallel, ensuring reliability and scalability. Advanced internal battery management optimized battery life and minimized downtime, while an IoT-integrated setup enabled real-time tracking and management. With over 900 service engineers across 250+ locations, Numeric ensured prompt service support.