Diesel power

> Case History
Delhi-Noida-Delhi Flyway, India

Our energy working for you.™

Cummins® **Power Generation**

Where:
Delhi-Noida-Delhi Flyway, India

What:
Five 160 kVA, one 125 kVA and two 25 kVA gensets for back-up power

Purpose:
Continuous, reliable round-the-clock power back-up in the range of 780 KWe for Flyway lighting, Toll Plaza systems, office systems, etc.

Primary choice factors:
In the absence of EB supply, reliable, uninterrupted and quality power for immediate restoration of power supply

Back-up power in the range of 780 KWe for DND Flyway lighting, toll plaza systems, office systems, etc.

DELHI-NOIDA, INDIA - The Noida Toll Bridge is an eight lane bridge-cum-expressway project, implemented by Noida Toll Bridge Company Limited (NTBCL). Promoted by Infrastructure Leasing & Financial Services Limited (IL&FS) and New Okhla Industrial Development Authority (NOIDA), NTBCL develops, constructs, operates and maintains the DND Flyway as a special purpose vehicle (SPV) on a Build Own Operate Transfer (BOOT) basis.

The eight-lane project, across the Yamuna river, with a 552 m long main bridge, three minor bridges and a 27-lane 300 m long toll plaza, was completed four months ahead of its schedule in 1998. With the opening of the DND Flyway, travel time between Noida and Delhi (Ashram) has been reduced to just ten minutes.

Continuous and reliable power in the range of 780 KWe was required round-the-clock to ensure uninterrupted working of the Flyway lighting, Toll Plaza systems, office systems etc. Owing to paucity of power in the region, it was expected that Electricity Board power would be unavailable for at least 12-14 hours every day.

The Noida Toll Bridge, an eight lane bridge-cum-expressway project powered by Cummins gensets

Cummins gensets ensure uninterrupted working of the flyway lighting, toll plaza systems, office systems etc.

Considering the high density traffic hub on this highway, NTBCL realized that since the safety and convenience of commuters could be at risk due to even the shortest power interruption, they could take no chances and decided to opt for a captive power solution. Hence, even though there were cheaper and local captive power solution providers available, NTBCL was not confident of their service and product quality.

To meet NTBCL's round-the-clock power requirement, Cummins Power Generation recommended a genset configuration of different ratings. Cummins' state-of-the-art technology that delivers and an efficient after sales service support contributed towards providing the complete power solution for NTBCL. While Cummins guarantees reduced noise levels and fuel consumption, channel partner – Jaksons Ltd. ensures immediate auto - restoration through reliable AMF system and longevity of the product due to the powder coated, well designed acoustic enclosures.

"After experiencing the superior performance of the first genset installed on-site, we placed three more orders with Cummins."

-Pradeep Puri,
Managing Director

However, the biggest challenge experienced during the execution of this project was the short lead-time of 12 hours allotted for installation of each genset from the moment the gensets arrived on-site. Due to the heavy traffic plying on this highway, the gensets had to be commissioned overnight.

Needless to say, with the task executed successfully, DND Flyway is today the primary and preferred link between Noida and Delhi. The Flyway offers numerous daily commuters a shorter and world class road link functioning 24 hours, 365 days a year at a very affordable cost.

The Cummins advantage

Cummins Power Generation is the world leader in the design and manufacture of power generation solutions for a wide variety of standby and prime power applications.

For further information on on-site distributed generation of power, contact your local Cummins dealer.

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