



Rental power

> Case History

Sainik Mining, Rajasthan

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Where:

Sainik Mining, Rajasthan, India

What:

Three 500 kVA and four 250 kVA synchronized DG sets

Purpose:

Power for pumping nineteen 100 HP water pumps

Primary choice factors:

Synchronized and reliable power, fuel economy and convenient 24 * 7 operations

Power to pump 100 HP water pumps for mining projects undertaken by RSMML.

RAJASTHAN, INDIA - Rajasthan State Mines and Minerals Limited (RSMML) is one of the leading and progressive undertakings of the Government of Rajasthan. It is a multi mineral and multi location enterprise engaged in mining of Rock Phosphate, Lignite, SMS grade Limestone and Gypsum.

To sub-contract the various processes involved in mining, RSMML floated tenders, of which the tender for mining and power production was won by Sainik Mining. Sainik Mining in turn approached Cummins Power Generation to fulfill the power needs specified in the tender.

As per the tender, 125 kVA diesel gensets had to be installed at distributed locations. These sets were required to operate on a continuous basis to supply power to fifteen 100 HP water pumps located at the mining sites.



Genset house in the mining pit which is moved depending upon the location of the mining activity



Fuel handling system with ramp to facilitate gravity flow to day tanks

Cummins Power Generation offered synchronized DG sets for the purpose. However, instead of distributed locations, the team recommended that these be installed at a singular or centralized location as that ensures greater flexibility, higher fuel economy and reliability and easier mobility in case the Gensets need to be relocated to an alternative location.

The Rental Division of Cummins Power Generation faced numerous challenges in planning logistics for delivery of the Gensets owing to the remotely located mining sites. Matasukh-Kasnau Mines are situated near villages Kasnau and Matasukh of Nagaur district in central Rajasthan, which is approximately 42 km from the District Head Quarters. Lack of proper infrastructure in these remote locations was the most critical factor that Cummins and the local service dealer, URSS Techservices Pvt. Ltd. faced during the execution of this project.

The Gensets at these sites are currently fulfilling the crucial power requirement at two mines at Matasukh. Forthcoming months will witness similar installations by Cummins at mines located at Kasnau as well.

“Cummins has provided an excellent solution which ensures round-the-clock power supply and good fuel efficiency.

The team helped us fulfill the commitments made to RSMML.”

*- G M S Johar,
Director – Technical, Sainik Mining*

The Cummins advantage

Unmatched product design using Cummins state-of-the-art technology, coupled with the largest customer support network in the country, ensures SINGLE SOURCE POWER ASSURANCE to customers. Little wonder then, that for over four decades Cummins has been a leading player in power generation technology in India.

Cummins Power Generation is a world leader in the design and manufacture of power generation solutions for a wide variety of standby & prime power applications. For further information on on-site distributed generation of power, contact your local Cummins dealer.

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