



HOLCIM BULACAN PLANT

Screening of Raw Material Feed Size and Management of Load to Increase the Performance of Jaw and Hammer Crushers at Raw Mill

SUMMARY OF THE OPTION

HOLCIM (formerly Union Cement Corporation) Bulacan plant is located in Bulacan, the Philippines, and produces about 1.9 million tons of cement per year.

The amount of rejects at Raw Mill #3 was high. The flow, temperature and performance of this raw mill were checked and this indicated that the load on the raw mill was relatively high. This was caused by too large particles were fed into the raw mill. Sieve analysis showed that the ideal size is up to 25 mm. To solve this problem, materials could be screened to ensure that particles larger than 25 mm are returned to the jaw and hammer crushers. The performance of jaw and hammer crushers could be improved by screening materials so that only large particles are crushed and the smaller particles go directly to the raw mill.

At time of writing of this case study, the feasibility analysis of this option was still in progress.

KEY WORDS

Cement, Philippines, Cruashers, Raw Mill, Feed Load

FOR MORE INFORMATION

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