

Tula complete greenfield cement plant

Lafarge – Mexico



Lafarge Group entrusted Fives FCB with the turnkey supply and installation of a complete cement plant with a clinker production capacity of 1,500 tpd, in Tula, Mexico.

The construction and commissioning of this plant were a real success in terms of efficiency, safety and industrial performance, as it was delivered four months ahead of schedule.

- Contract date: January 2004
- Commissioning date: Mid February 2006



Fives FCB rotary kiln

SCOPE OF WORK:

Full turnkey contract for the supply of the complete production line including:

- Complete mechanical and electrical/automation structures equipment
- Steel structures
- Detailed studies for civil engineering and steel structure works
- Erection, supervision and commissioning

Contract date		January 2004
Equipment start up	Raw grinding plant	December 2005
	Cement grinding plant	January 2006
Commissioning date		Mid February 2006
Plant capacity		1,500 tpd
Fuel		Petcoke or coal
Raw materials preparation		Longitudinal preblending – 2 x 5,240 t
Raw meal grinding		105 tph vertical roller mill
Blending silo		2,000 t
Burning line	1,500 tpd	Fives FCB 5-stage preheater with low pressure drop cyclones 3 piers Fives FCB rotary kiln – Ø 4.4 m x L 66 m Clinker cooler
Coal grinding		Ball mill – Ø 2.6 m x L 7.25 m - 410 kW
Clinker storage silo		30,000 t
Cement grinding	85 tph	Fives FCB ball mill – Ø 4.2 m x L 12.25 m - 3,100 kW TSV™ classifier 3200 HF
Packing and dispatch		2 x 2,400 bags/h 1 bulk loading system 1 palletizing system

AN EXEMPLARY SUCCESS:

As regards work performance, the construction and commissioning of this cement plant were a real success in terms of efficiency, safety and industrial performance. This plant was delivered four months ahead of schedule.

It also beat all the customer's previous records for safety.

According to data supplied by the Lafarge group, the number of industrial accidents was 11 times lower than the Mexican national average in the construction sector.

The Tula plant received the 'Grand Safety Prize' from Instituto Mexicano del Seguro Social to reward these results.

