



2.1 mio tpa capacity expansion by Najran Cement Company at Najran, Kingdom of Saudi Arabia

Najran Cement Company was founded in 2005, as a Saudi closed joint stock company with a capital of one thousand one hundred and fifty million riyals. Their project includes two existing cement plants of 6000 tpd and 3000 tpd respectively, located in Sultanah, 240 kilometers northeast of the city of Najran, as well as a separate unit for cement grinding - located in the center, about 70 km from the city of Najran - on the road to Asir region. In addition to the two lines, NCC is currently installing line III of 6500 tpd, which shall be in operation in last quarter of 2013. Holtec has been involved in the implementation of all three cement lines and power plant.

Owner

Najran Cement Company, Kingdom of Saudi Arabia



Project Consultant (Line III)

Holtec Consulting Private Limited, India

Supply of Main Machinery

CEIEC China with equipment from Claudius Peters Germany, GPI Germany, Hazemag Germany, and Wartsila Finland

Scope of Consulting Services

- Procurement Assistance including tender preparation, tender evaluations, purchase recommendations and award of contract.
- Review / approval of detailed engineering drawings / design for Mechanical, Electrical & civil.
- Inspection Services
- Total Project Implementation Management

- Supervision of Construction, Erection, Trial Runs and Commissioning

Key Project Data

Quantities

Excavation	113,700 m ³
RCC	50,000 m ³
Reinforcement Steel	8600 T
Structural Steel	7,800 T
Total Equipment Erection	10,870 T
Total Length of Cables	417 Km
Utility Piping	10.86 Km
Suppliers	2 nos.
Execution Agencies	2 nos.

Main Equipment / Storages

- Crusher	1,200 tph
- Raw Mill	500 tph
- Blending Silo	2x15,000 t
- Clinker Silo	1x50,000 t
- Roll Press + Ball mill	2x200 tph
- DG sets	2x7 MW

Significant Achievements

- Currently execution of the plant is ahead of schedule, expected to be completed in 19 months as against scheduled 22 months.
- Installation of integrated WHR system, for all the three lines to generate 27.1 MW green power is also under execution- First WHR power Plant in KSA.
- Operation and maintenance of Cement Plant Line # 1 and 2 and grinding unit from commissioning of Line # 1 in 2008 till 2012