



CONCEPT TO COMMISSIONING

2.0 mio tons per annum Chettinad Cement Corporation Ltd., Kallur, Gulbarga, Karnataka, India

Chettinad Cement Corporation Limited, belongs to well known Chettinad group having diversified business portfolios such as Education, Construction, Hospitals, High Grade Silica, Transport besides Cement manufacturing. Chettinad Group has a combined turnover of about 4 Billion US \$. Holtec is associated with Chettinad Cement for last over 30 years.

Owner

Chettinad Cement Corporation Limited (Chettinad)



Project Consultant

Holtec Consulting Private Limited, India

Supply of Main Machinery

F.L.Smith, Kopporn-Germany, Thyssenkrupp Polysius, Takraf-India

Scope of Consulting Services

- Basic Engineering, Procurement, Detailed Engineering & Inspection
- Project Implementation & Management

Special Features

- Roll Press for raw material and clinker grinding
- 6 stage PH/PC with cross bar cooler
- Use of fly ash for production of PPC cement
- Captive power plant of 30 MW
- Waste heat recovery system along with power plant for kiln and cooler
- Stringent pollution control measures comprising Bag House for Kiln/Raw Mill, Coal Mill and Cooler ($< 25 \text{ mg/Nm}^3$), ESP's for Cooler ($< 25 \text{ mg/Nm}^3$) and about 39 Bag Filters in the plant.

Key Project Data

Quantities

Excavation	250,000 m ³
RCC	100,000 m ³
Reinforcement Steel	15,000 T
Structural Steel	20,000 T
Power Cables	700 Km
Control Cables	400 Km
Utility Piping	7 Km
Project Drawings	1400 nos.
Suppliers	18 nos.
Execution Agencies	7 nos.

Main Equipment/Storages

Crusher	1200 tph
Raw Mill	2x240 tph
Raw Meal Silo	20,000 T
Kiln	6,000 tpd
Clinker Silo	55,000 T
Coal Mill	75 tph
Cement Mills	270 tph
Cement Silos	3 x 8,000 T
Packing Plant	3 x 120 tph

Significant Accomplishments

- Clinker production 110% of the rated capacity
- Cement grinding commissioned in 22 months
- Clinkerization Section commissioned in 29 months
- Specific Power consumption 81 Kwh/t cement
- Specific Heat Consumption 700 Kcal/Kg clinker
- **SATISFIED CUSTOMER**