



## 1.6 mio tons per annum National Cement Company, Aden, Yemen

**Hayel Saeed Anam Group of Companies** is a commercial entity that was established in Yemen in 1938 . Its activities include various investment fields (Industrial, Trading and Services). These activities are spread in many countries. The important countries include Saudi Arabia , Egypt , Malaysia and Indonesia in addition to Yemen. They have a 4200 tpd cement plant 70 kms from port city of Aden under National Cement Company, Yemen .

### Owner

Hayel Saeed Anam Group of Companies



### Project Consultant

Holtec Consulting Private Limited, India

### Supply of Main Machinery

KHD, Germany & Humboldt Wedag, India  
Pfeiffer, Germany & Siemens, India

### Scope of Consulting Services

- Techno-economic Feasibility Study
- Computer Aided Deposit Evaluation and Quarry Scheduling & Optimization
- Engineering Review
- Civil & Structural Engineering
- Project Implementation Management
- Supervision of Construction, Erection, Trial Runs and Commissioning

### Special Features

- First private sector cement plant in Yemen.
- Use of coal as fuel- First in Yemen and in the region
- 6 Stage KHD PH/PC with IKN cooler

## CONCEPT TO COMMISSIONING

- Captive Thermal power Plant of 28 MW capacity
- Stringent pollution control measures comprising Bag House for Kiln/Raw Mill ( $< 30 \text{ mg/Nm}^3$ ), , Coal Mill & Cement Mills and ESP for Cooler in the plant.

### Key Project Data

#### Quantities

Excavation	100,000 m <sup>3</sup>
RCC	60,000 m <sup>3</sup>
Reinforcement Steel	8,000 T
Structural Steel	2,500 T
Project Drawings	800 nos.
Key Suppliers	5 nos.
Execution Agencies	3 nos.

#### Main Equipment/Storages

Crusher system	650 tph
Raw Mill	300 tph
Raw Meal Silo	20,000 T
Kiln	4,200 tpd
Clinker Silo	40,000 T
Coal Mill	25 tph
Cement Mills	2 x 120 tph
Cement Silos	2 x 10,000 T
Packing Plant	2 x 180 tph

### Significant Accomplishments

- Clinker production was planned 3650 tpd in the beginning which was increased to 4200 tpd during execution period itself with minimum investment and almost no increase in time schedule.