Kerman Momtazan Cement Co., Iran, placed an order with KHD Humboldt Wedag AG, Germany, for engineering and supply of a new cement production plant with a production capacity of 3,300 t/d. The plant will be built about 40 km in the west of the province capital Kerman and will have a good connection to the existing infrastructures. Raw material for the production of Portland cement is available at sufficient quantities from local deposits. The fuels used will be heavy oil and natural gas from local resources.

Kerman Momtazan Cement Co., a 100% privately owned Iranian company, is authorised to set up the cement plant with the option of a subsequent capacity increase. The order placed with KHD Humboldt Wedag AG represents the first construction stage.

When deciding for this partner, the requirement of minimising the time for realising the project and the internal co-ordination expenditure were top priority. On that basis, engineering competence for the overall process and the supply of the entire equipment from one source were the main factors in favour of KHD Humboldt Wedag AG.

The scope of supplies and services of KHD Humboldt Wedag covers engineering as well as supply of the mechanical components and electrical equipment for the cement production plant from the raw material crushing department to the cement packing and loading plants. For local manufacturing under the responsibility of the customer, KHD will supply engineering and workshop drawings.

Low emission values for dust and gaseous contaminants, minimal fuel consumption and the efficient use of electrical energy require most modern technology. Beyond the responsibility for the overall process, KHD Humboldt Wedag supplies the following core components:

- 5-stage, one string preheater
- PYROCLON®-R calciner with PYROTO®-compact mixing chamber and tertiary air duct
- Bypass-system for 5% kiln
- PYRO RAPID® rotary kiln on two piers, diameter 4.4 m x 52.0 m length
- PYROJET® kiln burner and calciner burner
- PYRO STEP® grate cooler, type PSC with hammer-type clinker crusher.
- Cement grinding plant with ball mill on slide shoe bearings, diameter 5.0 m x 16.0 m length, and high efficiency dynamic separator, type SEPMASTER SKS.

The new cement production plant is designed for a capacity of 3,300 t/d clinker and 210 t/h cement with a fineness of 3,000 cm²/g according to Blaine. Starting of the clinker production is scheduled for 2007.

Mazandaran Cemnt Co., Iran, a 100% privately owned company, awarded KHD Humboldt Wedag AG, Germany, the contract for increasing the production capacity of the kiln line at its Neka plant from 2,000 to 4,000 t/d clinker.

The plant is located near the city Neka, appr. 50 km south of the coast of the Caspian Sea. It was supplied and erected by KHD Humboldt Wedag AG in 1975. The pyroprocessing plant mainly consists of a 4-stage preheater, a rotary kiln with a production capacity of 2,000 t/d and a satellite cooler.

Scope of supply of KHD Humboldt Wedag AG comprises an additional preheater including PYROCLON®-RP calciner, a new kiln outlet section, modification of the kiln main drives and of kiln roller station 2 and a tertiary air duct system with dust settling chamber. The satellite cooler will be dismantled and the rotary kiln will be shortened to approx. 69 m length.

Core components for the upgrading are:

- 4-stage, one string preheater
- PYROCLON®-RP calciner with PYROTO®-compact mixing chamber and tertiary air duct with dust settling chamber and calciner-firing system.

Increase of Mazandaran’s clinker production from 2,000 to 4,000 t/d
3,000 t/d cement factory to Oman

The Raysut Cement Company, one of two cement manufacturers in the Sultanate of Oman, decided to construct a new cement production plant with a capacity of 3,000 t/d.

The order for engineering and supplies for the core components of the pyro-processing line and the pre-grinding system for the clinker grinding plant was placed with KHD Humboldt Wedag AG, Germany.

Decisive for getting this order were, among others, the professional handling and the good operating results of the first 1,500 t/d kiln line, which was supplied by KHD Humboldt Wedag to the customer Raysut Cement in the year 1998. The turnkey-contract for the 3,000 t/d cement plant was signed by RCC and TCDRI, China in March 2004.

The equipment supplied by KHD Humboldt Wedag AG, Cologne, meets the customer’s requirement for modern, efficient technology according to international environmental standards. The scope of supply essentially comprises:

- 5-stage preheater
- PYRO CLO N ®-LowNOX calciner, PYROTO P ®-compact mixing chamber, bypass system for up to 15% and tertiary air duct with dust settling chamber
- PYRO RAPID® kiln on two piers with diameter 4.2 m x 50.0 m length
- PYRO STEP® grate cooler PSC 2-063
- Pre-grinding system with Roller Press RP 10-140/110 and V-separator for the Finish Mill

The new cement factory of the Raysut Cement Co. will be set up in Salalah in the South of Oman.

Humboldt Wedag India
New Orders

- Benue Cement Company, Nigeria
  Pyroprocess capacity enhancement from 1.450 t/d to 3.500 t/d (preheater modification of 2 identical lines)
- Soufian Cement Company, Iran
  Raw mill upgrade by installing Roller Press, V-Separator and SKS Separator (capacity increase from 160 t/h to 360 t/h)
- Orissa Cement, Rajgangpur Plant
  Capacity increase of the kiln line mainly by installing a new 5 stage preheater, PYRO JET® kiln burner and calciner burner
- Grasim Cement, Aditya, Sambhupura Plant
  Capacity increase of cement grinding plant by installing KHD Humboldt Wedag- V-Separator and SEPMaster SKS

Searching for new staff members in Cologne

The progress and the economical success of the last half year are also reflected by the manpower policy of the enterprise. The employment of 30 new staff members in the first three months of the year 2004 is a sign of trusting in a lasting upward development.

We continue to search and will employ:

- Planners - Design Engineers - Project Managers - Electrical Engineers - Sales Engineers
  - experienced specialists with commitment,
  - young, ambitious newcomers with a future in and for the KHD Humboldt Wedag AG.

Contact:
Bernd Steinhilper, personnel department
Phone: +49-221-6504-1160
Email: steinhilper.b@khd-ag.de