Shree Cement reimposing its faith in KHD technology:
another 3,000 t/d kiln line No. V at RAS site, India

After successfully commissioning 3,000 t/d cement production line RAS No. III in October 2005 and receiving the contract for an identical production line RAS No. IV end 2005, the client awarded Humboldt Wedag India in March 2006 the contract for a further 3,000 t/d clinker production line RAS No. V. HW India’s scope of supply and services includes engineering and supply of mechanical and electrical equipment for the pyroproces section including KHD core components:

KHD Humboldt Wedag supplies clinker grinding plant for
Saudi Cement’s Hofuf plant

KHD Humboldt Wedag GmbH, Cologne, Germany has received the order for design and supply of key machinery and equipment for three clinker grinding systems with a capacity of 280 t/h cement each. Under a contract with Sinoma International Engineering Ltd., China, as General Contractor for two new 10,000 t/d cement production plants in Saudi Arabia, KHD Humboldt Wedag will supply the clinker grinding plant consisting of three identical semi-finish grinding systems with Roller Press and ball mill with a capacity of 3 x 280 t/h cement with a fineness of 3,300 cm²/g acc. to Blaine.

The customer is Saudi Cement Company, Kingdom of Saudi Arabia and the new lines will be installed at Hofuf cement plant 120 km south of Dammam in Saudi Arabia. The contract covers design, supply of equipment and supervision services for erection and commissioning.

KHD’s scope of supply for each of the three clinker grinding systems includes the following core components:

- Roller Press RP 20 with ROLCOX® monitoring and control system
- VSK® separator including cyclones and fans
- SEPMASTER® separator, type SKS including fans to be combined with a ball mill (5.0 m x 13.2 m) as closed circuit system

5,000 t/d cement production capacity for Raysut Cement
with core equipment from KHD

a result of a unique and strong partnership built up in nearly 10 years

Raysut Cement Company awarded KHD Humboldt Wedag, Germany the order for engineering and supply of the new production line IV with a designed capacity of 2,000 t/d clinker. Contract signing took place during the successful commissioning phase of kiln line III with a capacity of 3,000 t/d and also equipped with KHD core equipment.

The client Raysut decided to place the order with KHD Humboldt Wedag, Germany as leader of a consortium with ABB and Humboldt Wedag India as partners. Engineering and delivery of the mechanical equipment will be carried out by KHD Cologne and HW India. ABB will deliver the electrical equipment.

The plant with the three existing kiln lines is located on the south west coast of the Sultanate of Oman near Salalah port. Capacity of Raysut’s cement production plant including kiln line I will be increased from 5,500 to 7,500 t/d clinker by the recent expansion project.

This PYROFLOW® installation will be the first in the gulf region.

KHD’s scope of supply includes the following core components:

- Raw Material Grinding System – Upgrade –
  with Roller Press RP 7 and V-Separator and SEPMASTER® separator, type SKS combined with existing ball mill 2,000 t/d clinker production line – New –
  5-stage Humboldt preheater with PYROCLON® LowNOx calciner, PYROTOP® mixing chamber and tertiary air duct; bypass-system PYRORAPID® kiln (e. 3.8 m x 45.0 m), PYROFLOW® clinker cooler FPG 523

Cement Grinding System – Upgrade –
with Roller Press RP 7 and V-Separator and SEPMASTER® separator, type SKS combined with existing ball mill

KHD Humboldt Wedag supplies clinker grinding plant for
Raysut Cement Company, Oman
Cement plant capacities based on KHD Humboldt Wedag technology

1998*:
Raysut kiln line II, 1,500 t/d clinker
2005*:
Raysut kiln line III, 3,000 t/d clinker
NEW, 2006:
Raysut kiln line IV, 2,000 t/d clinker
*Commissioning
Shree Cement reimpousing its faith in KHD technology: another 3,000 t/d kiln line No. V at RAS site, India

After successfully commissioning 3,000 t/d cement production line RAS No.III in October 2005 and receiving the contract for an identical production line RAS No. IV end 2005, the client awarded Humboldt Wedag India in March 2006 the contract for a further 3,000 t/d clinker production line RAS No. V. HW India’s scope of supply and services includes engineering and supply of mechanical and electrical equipment for the pyroproces section including KHD core components:

KHD Humboldt Wedag supplies clinker grinding plant for Saudi Cement's Hofuf plant

KHD Humboldt Wedag GmbH, Cologne, Germany has received the order for design and supply of key machinery and equipment for three clinker grinding systems with a capacity of 280 t/h cement each. Under a contract with Sinoma International Engineering Ltd., China, as General Contractor for two new 10,000 t/d cement production plants in Saudi Arabia, KHD Humboldt Wedag will supply the clinker grinding plant consisting of three identical semi-finish grinding systems with Roller Press and ball mill with a capacity of 3 x 280 t/h cement with a fineness of 3,300 cm<sup>2</sup>/g acc. to Blaine.

The customer is Saudi Cement Company, Kingdom of Saudi Arabia and the new lines will be installed at Hofuf cement plant 120 km south of Dammam in Saudi Arabia. The contract covers design, supply of equipment and supervision services for erection and commissioning.

KHD’s scope of supply for each of the three clinker grinding systems includes the following core components:
- Roller Press RP 20 with ROLCOX® monitoring and control system
- VSK® separator including cyclones and fans
- SEPMaster® separator, type SKS including fans to be combined with a ball mill (5.0 m x 13.2 m) as closed circuit system

5,000 t/d cement production capacity for Raysut Cement with core equipment from KHD

Raysut Cement Company awarded KHD Humboldt Wedag, Germany the order for engineering and supply of the new production line IV with a designed capacity of 2,000 t/d clinker. Contract signing took place during the successful commissioning phase of kiln line III with a capacity of 3,000 t/d and also equipped with KHD core equipment. The client Raysut decided to place the order with KHD Humboldt Wedag, Germany as leader of a consortium with ABB and Humboldt Wedag India as partners. Engineering and delivery of the mechanical equipment will be carried out by KHD Cologne and HW India. ABB will deliver the electrical equipment.

The plant with the three existing kiln lines is located on the south west coast of the Sultanate of Oman near Salalah port. Capacity of Raysut’s cement production plant including kiln line I will be increased from 5,500 to 7,500 t/d clinker by the recent expansion project.

This PYROFLOOR<sup>®</sup> installation will be the first in the gulf region.

Raysut Cement Company, Oman Cement plant capacities based on KHD Humboldt Wedag technology

1998*: Raysut kiln line II, 1,500 t/d clinker
2005*: Raysut kiln line III, 3,000 t/d clinker
NEW, 2006: Raysut kiln line IV, 2,000 t/d clinker

The contract covers engineering, supply of equipment and supervision services for manufacturing, erection and commissioning. Production start-up of the plant is scheduled for second half of year 2007.

Raysut Cement Company, Oman
Cement plant capacities based on KHD Humboldt Wedag technology

1998*: Raysut kiln line II, 1,500 t/d clinker
2005*: Raysut kiln line III, 3,000 t/d clinker
NEW, 2006: Raysut kiln line IV, 2,000 t/d clinker

Under a contract with Sinoma International Engineering Ltd., China, as General Contractor for two new 10,000 t/d cement production plants in Saudi Arabia, KHD Humboldt Wedag will supply the clinker grinding plant consisting of three identical semi-finish grinding systems with Roller Press and ball mill with a capacity of 3 x 280 t/h cement with a fineness of 3,300 cm<sup>2</sup>/g acc. to Blaine.

The customer is Saudi Cement Company, Kingdom of Saudi Arabia and the new lines will be installed at Hofuf cement plant 120 km south of Dammam in Saudi Arabia. The contract covers design, supply of equipment and supervision services for erection and commissioning.

KHD’s scope of supply for each of the three clinker grinding systems includes the following core components:
- Roller Press RP 20 with ROLCOX® monitoring and control system
- VSK® separator including cyclones and fans
- SEPMaster® separator, type SKS including fans to be combined with a ball mill (5.0 m x 13.2 m) as closed circuit system

Cement Grinding System - Upgrade - with Roller Press RP 7 and V-Separator and SEPMaster® separator, type SKS combined with existing ball mill 2,000 t/d clinker production line – New –
- 5-stage Humboldt preheater with PYROCLON® LowNOx calciner, PYROTOP® mixing chamber and tertiary air duct; bypass-system PYRORAPID® kiln (e 3.8 m x 45.0 m), PYROFLOOR® clinker cooler FTC 523