

Field of activity Mining and bulk materials handling

Project Slurry Distribution Plant, Jorf Lasfar (MOROCCO)

Year 2014

Location Jorf Lasfar (MOROCCO)

Client OCP (OFFICE CHERIFIEN DES PHOSPHATES)

Scope/description

OCP and its subsidiaries are a group specializing in the extraction, beneficiation and marketing of phosphates and its derivatives.

OCP is proposed as part of its strategic development plan, carry out the project "Slurry Distribution" for the distribution of phosphate pulp from different units Khouribga laundering, through slurry water main to the chemical units in Jorf Lasfar

The overall installation consists of several acid production units (chemical plants) which are fed by a single pipeline (each production unit is fed by one pipeline) which in turns is connected to a slurry storage tank. The scope of this project is related to the pipelines and pumping system. In total, there are 16 production units.

The slurry system consists of following elements:

- Slurry pipes: lines used for the slurry transportation from slurry tanks to production units
- Pumping stations: slurry pumps are the equipment which make the slurry to move forwards from slurry tanks to production units. Each pumping station is composed by two or three stages (pumps) depending the unit
- Measuring devices will be installed to provide a good measurement of the mass of slurry pumped
- Valves: to assure the proper working mode and the process itself, valves of several types will be installed along each circuit.
- Flush water: it's another installation attached and connected to the slurry lines for cleaning slurry pipes in case of pipe shut down. It includes its own pumping system.
- Gland Seal Water: it's an auxiliary installation to provide the sealing of the slurry pumps. It includes its own pumping system.
- Drain lines.



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