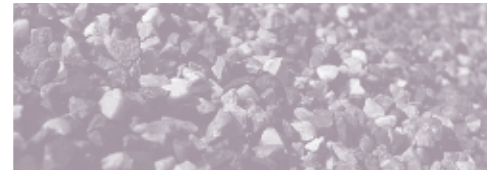


Marti Technics Ltd.

Conveyor belt system Jinping-II Hydropower Station (CN)



Jinping-II Hydropower Station (CN)

Conveyor belt system

Client Ertan Hydropower Development Company Ltd.
Contractor Marti Technics Ltd.
Order value CHF 45 mn
Drawn up 2007 – 2009



Services provided by Marti Technics Ltd.

Design, planning and performance of the entire conveyor belt system including conveyor tunnel, civil engineering works, electrical installation and visualised plant controls.

Description of the system

- Tunnel conveyor 14 700 m
- External conveyor 2 x 7 000 m
- Conveyor to disposal site 8 x 270 m
- Conveyor tunnel 2 000 m
- Automation and electrical system

Technical data

Conveyor belt system

- Total quantity to be conveyed 11 million tonnes
- Flow rate for tunnel conveyor 1 800 t/h
- Flow rate for external conveyor 2 x 2 800 t/h
- Flow rate for conveyor to disposal site 2 x 2 800 t/h
- Driving power of tunnel conveyor 2 800 kW
- Driving power of external conveyor 5 900 kW

- Driving power of conveyor to disposal site 8 x 850 kW
- Belt widths 1 200 mm

Automation and electrical system

- Fully-automatic control of material flow from the tunnel boring machine to final disposal site
- Visualisation of conveyor belt system
- Installation of heavy-duty electrical supply 16 MW



Marti Technics Ltd.

Lochackerweg 2
CH-3302 Moosseedorf

Fon +41 31 858 33 88

Fax +41 31 858 33 89

info@martitechnik.ch

www.martitechnik.ch