



# Nam Ngiep 2 Hydroelectric Project

## Government Engineer Services



The Nam Ngiep 2 Hydroelectric Project is being developed by the China International Water & Electric Corporation and the Government of Laos. The project is planned to enter commercial operation in 2015. The works comprise a transfer weir on the Nam Ngiep, a 7.4 km long transfer tunnel, a 70 m high earth rock dam on the Nam Sen, a 10.9 km long headrace tunnel, a surface power station on the Nam Siam equipped with 3 x 60 MW Francis turbines and generators and a 230 kV transmission line to the Tha Vieng substation.

**PROJECT**

Nam Ngiep 2 Hydroelectric Project

**PROJECT TYPE**

Peaking station

**LOCATION**

Xieng Khouang, Laos

**CLIENT**

Ministry of Energy and Mines, Lao PDR

**TIME PERIOD**

2013 - 2017

**KEY NUMBERS**

2013 - 2017 | Annual Energy: 720 GWh | Gross Head: 495 m

## SCOPE OF WORK

The scope of the work includes reporting and advice to the Government of Laos and a review of the project design, key project documents, compliance monitoring during construction, services during project commissioning and monitoring during the early stages of project operation.

## OUR SERVICES

- Review of environmental and social project studies and recommendations
- Review of EPC and other main construction contracts
- Review of project design
- Review of construction costs, project budget and operation & maintenance budget
- Monitoring of environmental and social compliance during construction
- Monitoring of project construction and commissioning
- Reporting, presentations and workshops

## DISCIPLINES

- Construction contracts
- Social and environmental requirements
- Cost estimation
- Civil engineering
- Mechanical and Electrical engineering
- Hydropower operation, hydro safety and emergency preparedness



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