

# CH0033 Supply & Install Powerhouse Cranes

## 1. Package Description

### Scope of Work Summary:

Design, supply and installation of Hydro-Mechanical Equipment for five (5) Spillways:

- Design, supply, and installation of two (2) Powerhouse Overhead Cranes of each with an one (1) Auxiliary Hoist with a capacity of 25 metric tonnes;
- Design, supply, and installation of spreader beam(s) to distribute load to both cranes to pick largest load in the Powerhouse of 660,000 kg;
- Design, supply, and installation of 600 V main disconnect switch, power conductor bars for the length of the overhead crane travel, and power cable from the disconnect switch to the bus bars;
- Perform Pre-Start Health & Safety Review/Inspection as required by the laws and regulations of Newfoundland and Labrador;
- Certification of crane for use including all field testing required for certification load tests at 200,000 kg capacity plus 125% load test, and later at 660,000 kg capacity plus 125% load test;
- Options for load testing with supply of test weight frame, with the test weights supplied by Nalcor;
- Refurbishing of the cranes and final commission before turnover