217000 - Norland HP - Reinforced Concrete Structure - Turnkey

Timber Run Hydropower Corporation

Client
Timber Run Hydropower Corporation

Location
In the village of Norland, On., on the Gull River.

Team
Project Manager:
Bryan Moloughney Eng., M.Eng.M., PMP.

Support: Suzanne Tisseur

Dates
Design and sourcing : 2014 - 2015
Execution : 2015 - 2017

Cost of the work
935 000 $

Professional fees
184 000 $

Project description

Timber Run Hydropower Corporation mandated Equinox Construction Services (ECS) to carry out the design, contracting, sourcing, execution and QA/QC, along with the Project Management tasks, of the reinforced concrete structures of the Norland Hydropower Plant. After completing the Dewatering and Excavation phases, ECS was responsible, through a turnkey delivery model, for delivering the structures that were designed by a 3rd party, under ECS supervision.

Also known as an ECI (Early Contractor Involvement) model, ECS was deeply involved in optimizing the designs, preparing realistic budgets and timelines, updating the relevant stakeholders, and prioritizing the Client's objectives.

Furthermore, ECS managed the approval process with the Parcs Canada Agency (PCA) as well as the Quality Control of the 270 cubic-metre volume as well as the integration of the various trades, suppliers and inputs involved in the Electrical, Hydrotechnical, Turbine, Telecommunications and Strucutre divisions.

Services provided

- Concept preparation and validation
- ECI for optimizations
- Sourcing and budgeting
- Managed the logistics, timing and delivery of the various products
- Responsible for the Execution of the work as well as the QA/QC requirements
- Owner of the Project Budget and Schedule
- Owner of the Change Management process and Communications
- Management of all involved Stakeholders

Challenges

- Various suppliers and trades needed to be coordinated
- Numerous interfaces between work phases to be respected
- Integration of the Stakeholder requirements

Click here to view the interactive version!