



Process Description & Equipment Supplied

ESB Generation required an upgrade to their pumping system for the Penstock drain bund at Golden Falls hydro plant. The proposed additional works identified were necessary as a result of a degradation in the existing penstock drain bund pumping system

DPS were involved at an early stage in the project feasibility and provided design and selection services for the ultimate pumping solution and arrangement. DPS's scope involved design, fabrication, supply, installation and commissioning (full MEICA) of 1 No Submersible pump unit c/w Control panel , outlet pipe work steel support frame and GRP open mesh flooring

Project Overview

Client Name

ESB International

Completion Date

July 2016

Reference Contact

Mr. Pat Hogan
ESB International

Value of Project

€20,000



Ensuring Equipment Commissioned to OEM Specification

To ensure that the pump equipment was commissioned to OEM specification DPS liaised with the OEM, Jacobs, Dublin Port and the key contractors to assist in the development of a site commissioning plan.

Prior to commissioning the OEM and DPS attended site for a co-ordinated pre-commissioning ‘shakedown’ of the system to ensure everything was operating correctly.

The agreed commissioning plan was then applied and the pumps commissioned according to the OEM requirements.

During the commissioning of the system both DPS and the OEM were in attendance and used the results to map the performance of the pumps running in various configurations to ensure performance across the full spectrum of operational requirements and design specification.

Process for managing relationship with our customers delivery team

Having progressed from working with the design team to the supply and installation phase, DPS nominated a Project Manager who was the point of contact for Rich Sauces and any other contractors on site and was responsible for all communications from DPS to ESB international and the project stakeholders.

The Project Manager was responsible for Progress reporting to facilitate 'live' updating of the program schedule. The Project Manager was also responsible for the reports which, in addition to monitoring the schedule and milestone achievements, covered issues such as Health & Safety, quality and risk minimisation. The outputs of the daily and monthly project meetings were subsequently communicated to the DPS installation team and the OEM as required. The Project Manager was responsible for amending and implementing any changes required to the DPS Health & Safety and quality procedures while amending the delivery and installation schedule as necessary to ensure compliance with the Delivery Team requirements.

Process for handling over 'fit for purpose' equipment free from defect

Having installed and commissioned the equipment on site as per the OEM requirements and in conjunction with the project stake holders, DPS then 'snagged' the site prior to handover to ensure there were no minor issues outstanding. Once the snagging process was complete, DPS then installed a remote monitoring system on site to allow logging of the pump performance and any alarm events on site. This allowed DPS to have 24 hour awareness of how the pumps were performing and to observe and correct any issues that came to light.

This extended commissioning phase support approach from DPS ensured a successful closure to the delivery phase of the project. This enabled the final sign-off and close-out of the project in a timely manner and with ultimate client satisfaction.

