



# Mount Coffee Hydropower Plant - Main Civils Works, Liberia

PDLA18

In June 2015 the DIL IG team was awarded the contract for the Main Civils works. This award followed the successful completion by the DIL IG team of an Enabling Works phase that was handed over in July 2014, before the Ebola crisis suspended the project. The Main Civils Works package included the reconstruction and rehabilitation of the Power House (including building services and M&E), Intake, Spillway, earth Dams (including Ground Investigation and grouting works), Roads, Infrastructure and other miscellaneous works. All aggregates have been quarried and processed on site using DIL IG plant/ equipment and then tested in our UKAS accredited site Laboratory. 8000m<sup>3</sup> of concrete required for the project has been mixed batched on site using a DIL IG batching plant.



The DIL IG team has worked closely with other specialist contractors including Voith, who were responsible for installing the turbines, Andritz who refurbished the gates and hydraulic steel structures, Eltel for the transmission lines and NCC for the substations. The hydropower plant reservoir catchment covers an area of 20,000km<sup>2</sup>.

The DIL IG team has also completed construction works off the site which has provided benefit to the local communities, including a 23 house resettlement village and 10km of road reconstruction.

The original Mount Coffee Hydro Plant was destroyed in the 1990s and the new plant is designed to provide 80 MW of much needed power to the country and will be the largest generating capacity in the country for years to come. The project is co-financed by the Government of Norway, Government of Germany (KfW Development Bank), European Investment Bank, US funded Millennium Challenge Corporation (MCC) and the Government of Liberia.

**Client:** Liberia Electricity Corporation

**Value:** \$92,000,000

**Duration:** 25 months