



Hypower
Engineering

PROJECTS

We support projects from start to finish

Assisting our clients with all legal support and resources to win tenders and deliver contracts

Kaluganga Phase 1 2006 - JICA China GEO Engineering - China, Purac AB-Sweden



- Intake site & river bank investigation works
- WTP site investigation works
- Transmission Line Investigations (Bridge crossings)
- Topographical and Longitudinal survey (Distribution)
- Population & demand survey (Distribution)
- Detail Designs
- Intake site Designs
- Quarters & site
- Ground Reservoir, Pump House, Tower, Chlorine House, Transformer, Generator, pile designs, & site
- E & M works on high lift pump house at WTP site
- Preparation of drawings, reports, maintaining office, stationary and other activities

Moratuwa/Ratmalana, Ja-ela/Ekala 2009 SIDA- Phil-Denmark, Purac AB-Sweden



- Intake site & river bank investigation works
- WTP site investigation works
- Transmission Line Investigations (Bridge crossings)
- Topographical and Longitudinal survey (Distribution)
- Population & demand survey (Distribution)
- Detail Designs
- Intake site Designs
- Quarters & site
- Ground Reservoir, Pump House, Tower, Chlorine House, Transformer, Generator, pile designs, & site
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The project is to design and construct a sewer system for collection of the industrial and domestic waste-waters, including sewer pipes and pumping stations, a biological waste water treatment plants, and sea outfalls into ocean. The project area covers Ratmalana- Moratuwa in South of Colombo and Jaela-Ekala in the North of Colombo. EML provides technical expertise in engineering and also is responsible for environmental and social safeguards.

Nuwara Eliya Water supply 2009 Danida- Pihl- Denmark/Purac-Sweden



- Intake site & river bank investigation works
- WTP site investigation works
- Transmission Line Investigations (Bridge crossings)
- Topographical and Longitudinal survey (Distribution)
- Population & demand survey (Distribution)
- Detail Designs
- Intake site Designs
- Quarters & site
- Ground Reservoir, Pump House, Tower, Chlorine House, Transformer, Generator, pile designs, & site
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Ports Hambantota 2010 Chinese funding- Pharos Marine-UK



- Consultancy Advisory role.
- Installation & Site assistance.

Dankotuwa-2014-to date - Belgium Soft loan, Finexpo ONDD- Besix-Belgium



The existing Dankotuwa Water Supply Scheme has been built in 1980s and is grossly inadequate and is in need of urgent upgrading. The present plant is currently producing only 4800 cu.m./day whereas the 15,000 cu.m./day plant is required to meet the long term demand. The economic growth and the commercial activities of the booming commercial hubs in the area are greatly hampered due to inadequacy of the present drinking water system. There have been numerous requests from regional politicians and local government authorities for the expansion of the system but no substantial improvements could be carried out to the existing Dankotuwa scheme over the last 15 years.

The proposed Dankotuwa water supply project is designed to provide safe pipe born water to Dankotuwa, Nattandiya, Wennappuwa and Mahawewa DS Divisions in the Puttlam District This water supply project will permanently solve the drinking water issue in the area. The proposed water source for the Dankotuwa water supply project is Ma-Oya River and necessary approvals for abstraction of required quantity of raw water has been secured.

Accordingly the proposed, Dankotuwa Water Supply Scheme has been formulated by the National Water Supply & Drainage Board (NWSDB) to improve and enhance the drinking water supply to

Denkotuwa, Nattandiya, Nagawewa and Wennappuwa areas. The Planning Department (NPD) has approved the Project in October 2010 as a high priority project.

The proposed project will cover the service expansion and improvement in Dankotuwa,

Nattandiya, Nagawewa and Wennappuwa district secretariat divisions. The total population to be served is around 132,000 including the commercial and industrial demand of the above areas. The total project cost is estimated to be around Rs. 12.5 billion which includes following components;

Surveying & Investigation Works:

- Intake site & river bank investigation works
- WTP site investigation works
- Kahatawila site investigation works
- Dummaladeniya site investigation works
- Lunuvila site investigation works
- Nathandiya site investigation works
- Transmission Line Investigations (Bridge crossings)
- Topographical and Longitudinal survey (Distribution)
- Population & demand survey (Distribution)
- Detail Designs
- Intake site Designs
- Kahatawila Tower, Quarters & site
- Dummaladeniya Tower & site
- Lunuvila Ground Reservoir, Pump House, Tower, Chlorine House, Transformer, Generator, pile designs , & site
- Nathandiya Tower & Site
- E & M works on high lift pump house at WTP site
- Preparation of drawings, reports, maintaining office, stationary and other activities.
- Site Visits, supervision and coordination with investigation teams, NWSDB, meetings and other related activities.
- Transmission & Distribution Designs
- Transmission Design
- Transmission Network analysis, hydraulic designs, BOQ, drawings
- Bridge, culvert & railway crossings structural designs
- Distribution Design
- Network analysis, hydraulic designs, BOQ, Bridge, culvert & railway crossings structural designs
- Water Treatment Plant Designs
- Structural Designs for WTP components and Site works, Design Notes, calculations Drawings , BOQ