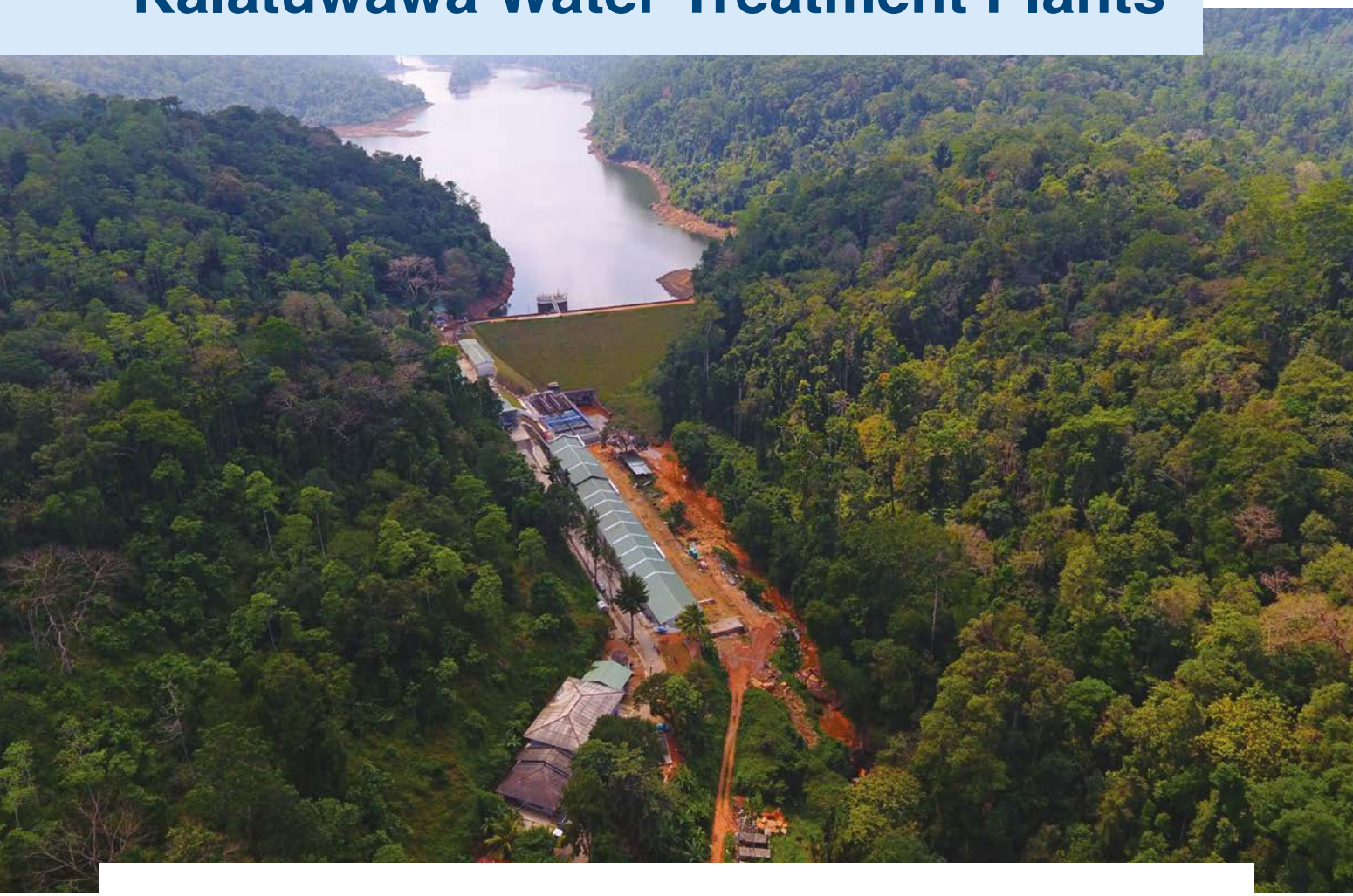
BUDAPEST WATERWORKS

Gold Standard for Utility Perfomance

Worldwide Water Solutions

Rehabilitation of Labugama and Kalatuwawa Water Treatment Plants



Summary and introduction 01

Labugama and **Kalatuwawa** water treatment plants in Sri Lanka supply water to about 2 million people. Before the rehabilitation they fell below the expectations regarding both the quality of treated water and treatment capacity. Through the modernisation of technology, the main goal of the rehabilitation was to improve the security of supply and the quality of treated water, thus ensuring that the potable water quality requirements can be met, as well as to increase the quantity of water treated by the plants.

The capacity of Labugama water treatment plant had to be increased from 40.000 to 60.000 m^3/day, whereas that of Kalatuwawa from 71.000 to 90.000 m^3/day. The technological buildings of the plants as well as the other facilities, such as water intake facilities have been rehabilitated, in line with the technology solution selected jointly with the project client.

KPIs 02

- Water supply to 2 million people
- Labugama capacity upgrade from the existing 45.000 m^3/day to 60.000 m^3/day
- Kalatuwawa capacity upgrade from the existing 60.000 m^3/day to 90.000 m^3/day
- Date of project commencement: 21st of October 2013
- Date of project completion. 26th of February 2017
- End of 1 year Technical Assistance Period: 26th of February 2018
- Client: National Water Supply and Drainage Board

Goals 03

- In both plants the goals of the contract have been completed successfully.
- Within the value of the original contractual amount as per the request of the client the sludge de-watering system in the Kalatuwawa plant was completed as well as the layer order of the road surfaces and quantity and quality of residential buildings were modified.

Results 04

The rehabilitation and capacity upgrade of the two plants were successful with continuous water supply to the public during the implementation, and in compliance with the SLS and WHO potable water quality standards.