

Labugama – Kalatuwawa WTP Rehabilitation Project for Web site updating

1	Name of the Project :	Rehabilitation of Labugama – Kalatuwawa Water Treatment Plants Project (RLKWTPP)
2	Name of the Project Director :	Eng. K.P.R.S. Samarasinghe
3	Project Office Address :	Project Director (RLKWTPP)'s Office, NWS&DB, Kalatuwawa, Thummodara.
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8	Type of the Project :	Rehabilitation Project
9	Province :	Western (Labugama) & Sabaragamuwa (Kalatuwawa)
10	District :	Colombo & Ratnapura
11	DS Division/Coverage Area/Map :	Attached.
12	Beneficiaries :	Excess water is proposed to provide to the areas in Towns East of Colombo (For 375,000 people appx.)
13	Funding Agency	Hungarian Government (Budapest Waterworks – BWW)

Total Project Cost (Millions)

Funding Agency / Donor	Hungarian	Foreign Aid Related Domestic Funds (In SL Rs. Mn.)	Total Estimate Cost in Equivalent (In SL Rs. Mn.)
Donor Contribution Euro Mn	34.08		
In Equivalent Rs. Mn	6068	1234	7302

Progress of both sites

Phy. Progress up to 31 / 03 / 2016	77.97%
Fin. Progress up to 31 / 03 / 2016	62.26%

Project Status:

This is only a rehabilitation project and the project objective is to improve the plant capacity at both of Labugama and Kalatuwawa water treatment plants as follows.

Description	Labugama	Kalatuwawa
Present Capacity m ³ /day	45,000	60,000
Capacity after rehabilitation m ³ /day	60,000	90,000

Date of commenced the project: 21-10-2013

Project Duration: 36 Months

Beneficial areas

Electorates	DS Divisions
Avisawella	Colombo
Borella	Dehiwela / Mt. Lavn
Colombo-Central	Homagama
Colombo-East	Kaduwela
Colombo-North	Kesbewa
Colombo-West	Kolonnawa
Dehiwela	Kotte
Homagama	Maharagama
Kaduwela	Padukka
Kesbewa	Seethawaka
Kolonnawa	Thimbrigasyaya
Kotte	
Maharagama	

Physical Progress at Labugama WTP up to end of November 2014

Item No	Component	Progress up to 30/11/2014	Remarks
01	Preliminaries & Site Facilities	81.90%	
02	Design & Engineering <ul style="list-style-type: none"> • Submittals for Civil Component • Submittals for E&M Component 	55.06% 90.00%	
03	Testing & Commissioning	0.00%	
04	Training and Assistance	0.00%	
05	Procurement and Installation of Equipment <ul style="list-style-type: none"> • Procurement of equipment provure, transport to site and erection for M&E equipment • Piping Works 	0.00%	

	<ul style="list-style-type: none"> • Equipment for automation system • Power Supply and Lightning Protection • Miscellaneous 		
06	Civil Works <ul style="list-style-type: none"> • Outside Works • Extension or modification to structures • Electrical Building and cable Network – Civil works • Miscellaneous 	45.99%	
07	Rehabilitation Works	7.02%	
08	Construction of new Quarters	69.53%	
	Overall Progress	27.68%	

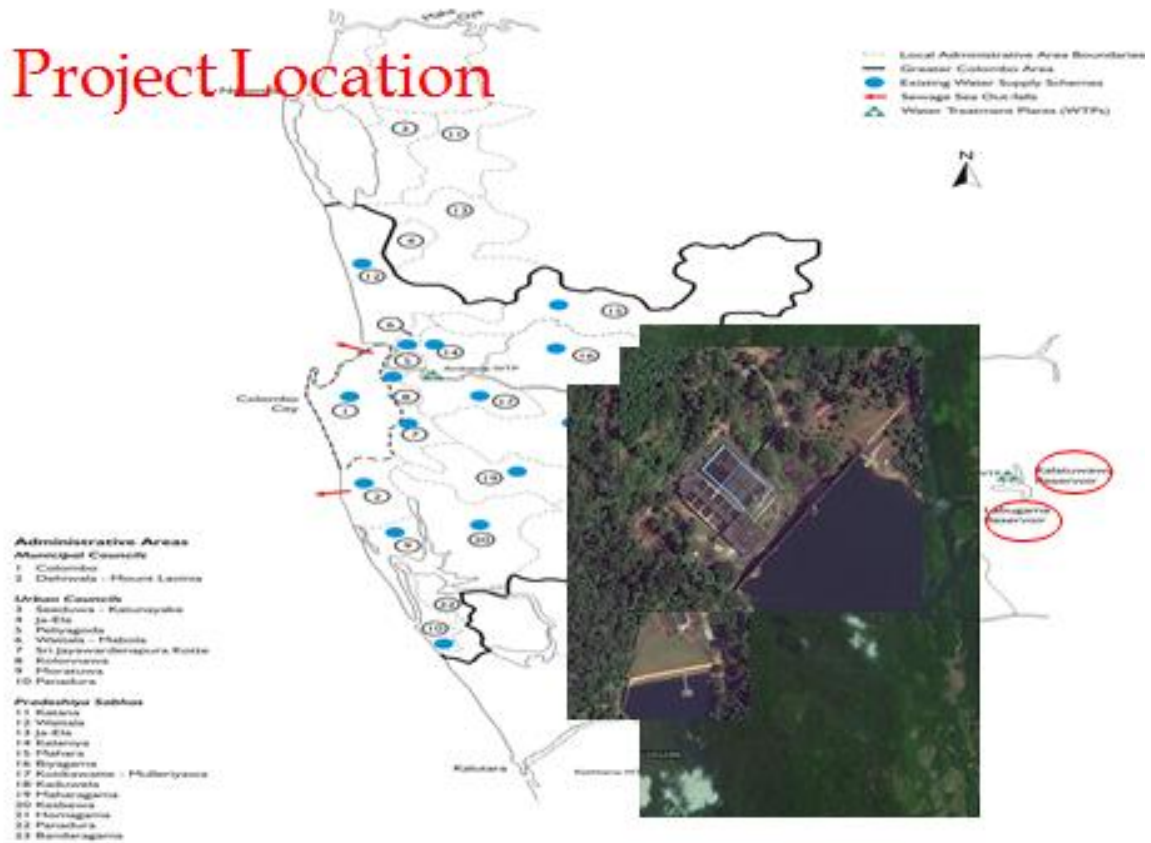
Physical Progress at Kalatuwawa WTP up to end of November 2014

Item No	Component	Progress up to 30/11/2014	Remarks
01	Preliminaries & Site Facilities	85.09%	
02	Design & Engineering <ul style="list-style-type: none"> • Submittals for Civil Component • Submittals for E&M Component 	71.97% 86.00%	
03	Testing & Commissioning	0.00%	
04	Training and Assistance	0.00%	
05	Procurement and Installation of Equipment <ul style="list-style-type: none"> • Procurement of equipment provure, transport to site and erection for M&E equipment • Piping Works • Equipment for automation system • Power Supply and Lightning Protection • Miscellaneous 	0.00%	
06	Civil Works <ul style="list-style-type: none"> • Outside Works • Extension or modification to structures • Electrical Building and cable Network – Civil works • Miscellaneous 	10.19%	
07	Rehabilitation Works	9.66%	
08	Construction of new Quarters	7.76%	
	Overall Progress	22.28%	

Project Goals:

The project goals are the reconstruction and extension of *productive capacities* and the improvement of the treated *water quality*.

Project Map:



Scope of the Project:

To improve the plant capacities by renovation of both treatment plants at Labugama & Kalatuwawa and the excess water is proposed to supply the areas situated in Western – East zone (Like Maharagama, Homagama, Padukka, Kaduwela, Seethawaka, Kotte, Kesbewa & Kolonnawa etc.)

Components of the Projects:

Designs, construction, renovation, testing and commissioning of all the components of both treatment plants at Labugama & Kalatuwawa. It includes intake well, Aerators, Sedimentation Tanks, Rapid Sand Filters, DAF Units, Backwash system, Sludge Treatment Process etc. It is proposed to construct new sludge treatment units, DAF Units etc. In addition to that at Labugama Administration Building, Baily Bridge, Quarters etc were proposed to construct and other none-process structures to be renovated (Store Building, Security Room and Gate, Garage etc.). At Kalatuwawa also all none-process and process structures are proposed to renovate.

Photographs related to the RLKWTP Project:



Existing Treatment Plant at Kalatuwawa



Kalatuwawa Reservoir & Intake Well



Renovated Store Building at Labugama



Newly Constructed Project Office at Kalatuwawa



New Quarters being construction



Nearly finishing of Quarters



Starting demolition of Filters at Labugama



Demolished filter at Labugama



Ready to connect by-pass line at Labugama



Demolished materials from filters at Labugama



Basement for DAF Unit at Kalatuwawa



Nearly finishing of Stores Building at Kalatuwawa



Renovated Security Room at Kalatuwawa



Admin Building being construction at Labugama



Slope establishment for Chlorine Building at Labugama



Demolished Filter Deck at Labugama



Demolished Materials near the Tower Crane



Completed Baily Bridge at Labugama