



Projects library of the specialized group for construction

PUBLIC BUILDINGS

Project	Health (Health-center) UNICEF secondment	
Project name	Post Tsunami School Project in Sri Lanka	
Country	Sri Lanka	
Region/town	Hambanthota / Walasmulla	
GIS data (WGS 84)	Walasmulla	
Project type	New construction wash r. Renovation (Ward 1 & 6)	
Typology	Health Facilities	
Approach	Contracted construction	
Beneficiaries	Ministry of Health	
Climate	Hot, humid	
Special constraint	Tsunami	
Start / End of project	Jan-2010 / June-2010	
Country GNP		

Base Hospital- Walasmulla

Partners

Organization (donor)	UNICEF
IO/NGO partners	
GO partners	Ministry of Health

Context to project

Initial Situation	Base Hospital built in 1930, ward 1 in 1962 and ward 6 in 1986
Goals, Beneficiaries	Renovations with better facilities (2 blocks) and new toilet units.
Implementations/Results	1 st phase: Ward 1 with labor room and 12 units and 5 toilet and 2 showers, new washing area; 2 nd phase: Ward 6 with 9 units and 5 toilets and 2 showers

Reference data (comparative)

Land plot	*****m2	Number of blocks	2
Total rooms	14	Number of units	2
Beneficiary /unit	Approx. 17	Total beneficiaries	Approx. 35
Latrines	3 units: female & males	Other infrastructure	Drainage system upgraded with reference to the additions and alterations.
	1 unit: administration		
Ground floor (incl. walls)	765.24 m2	1 st & 2 nd Floor (incl. walls)	Single storied buildings
Total surface	765.24 m2	Surface / beneficiary	21.86 m2/ beneficiary
Volume (outside dim.)	4198 m3	Volume / beneficiary	119.94 m3/ beneficiary
Heated surface	None.	Total cost / Total surface	110.35 USD/m2
Total cost (Finalized bills 05/05/2010)	84'450 USD 9'078'434 LKR	With additional cost	2'413 USD/beneficiary 259'384 LKR/beneficiary



Approach to results

Initial Situation

- 2008 first contact to Hospital
- 2009 Project with Consultant and contact to Ministry of Health
- 2009 December Project for health –facilities was approved.
- 2010 January Execution of project started.

Approach

- UNICEF Project called "Tsunami recovery Projects" , implemented by:

UNICEF Team: CMU (Construction management unit) in Colombo and UNICEF team in Galle with two persons (Construction Project Manager, SDC and a National Civil Engineer. They were responsible for controlling, supervising and payments of bills.

Consultant/ Architecte: Kahawita de Silva & Associates (Pvt) LTD.

Contractor: Lanka Trading & Construction Co. (PVT) LTD.

Problems/Constraints

- BoQ from Consultant was OK, some items had to be changed.
- Leading Doctor in the Hospital was not very cooperative.
- Water of Hospital could not be used, contractor had to bring it!
- Very difficult handing-over, stopped by the leading doctor of the hospital without any reason. We lost 3 weeks!

Lessons learned

- Small hospital facilities in a small rural village gives good result.
- Never start a new construction, when the infrastructure is not clear. (access road, no electricity and water connection)

Evaluation

- Government and district support was OK.
- Future of health for this area is secured.

Legal framework

Political attachment

Type of ownership

- Ministry of Health (Government)



Construction information		cost repartition	
Construction Structure	Foundations		
	Walls or columns		
	Facade		
	Roof		
	Earthquake protection		
Materials	Floor surface		
	Walls:		
	Doors		
	Windows		
	Ceiling		
	Thermo insulation		
	Ceiling		
	Water		
Watsan	Toilets		
	Waste water		
	Rain water		
Equipment	Heating system		
	Electricity connection		
	Telephone connection		
	Cooking facilities		
Total (USD)	All Project	84'450	100%

Urban planning		
Distance to :	Village	100m to village center
	Public transport	Bus to Matara and Tangala (about 20 km)
		Bus and train from Matara to Galle and Colombo

For further information

Involved SHA construction group consultants	Felix Veith Construction Project Manager SDC, Galle-Office UNICEF
Other involved SHA consultants	Henri Stalder Construction Managment Specialist SDC, Colombo Head-office UNICEF
Author / Contact:	Manjula Dabere Project Engineer UNICEF, Galle-Office
Recommended Institutions:	Ministry of Health (MoH), Colombo
Recommended partners:	Consultant: Kahawita de Silva & Associates (PvT) LTD, Beliatta-site-office and Head-office Colombo Contractor: Lanka Trading & Construction Co. (PVT) LTD, Beliatta-Office and Colombo Head-office
Recommended books/reports:	
Relevant other projects (links):	



Relevant illustration



Entrance of Hospital: 10/01/2010 starting of project



First meeting UNICEF: CMU-Team with Contractor



Corridor of Ward 1



Ward 6: Entrance



Ward 6: Corridor with units to be renovated