




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 / Beliatta	
GIS data (WGS 84)	Walasmulla	
Project type	New construction	
Typology	Health Facility	
Approach	Contracted construction	
Beneficiaries	Ministry of Health	
Climate	Hot, humid	
Special constraint	Tsunami	
Start / End of project	Jan-2010 / July-2010	
Country GNP		

MOH Office building- Beliatta

Partners

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

Context to project

Initial Situation	Base Hospital
Goals, Beneficiaries	New Office building with better facilities and new toilet units..
Implementations/Results	Ground floor: 12 offices unit and 2 units of toilets and 1 unit disabled toilet Upper floor: 8 offices and 2 units of toilets for ladies and gents, auditorium, lunch room

Reference data (comparative)

Land plot	1155 m2	Number of blocks	1
Total rooms	23	Number of units	1
Beneficiary /unit	Approx. 50	Total beneficiaries	Approx. 50
Latrines	8 units: female & males 1 unit: disabled	Other infrastructure	Generator room, sump, pump room, drainage, water and electricity supply
Ground floor (incl. walls)	337.31 m2	Upper Floor (incl. walls)	164.76 m2
Total surface	402.07 m2	Surface / beneficiary	8.04 m2/ beneficiary
Volume (outside dim.)	1973.7 m3	Volume / beneficiary	39.47 m3/ beneficiary
Heated surface	None.	Total cost / Total surface	543.75 USD/m2
Total cost (as per contract document)	218'624 USD 23'502'042 LKR	With additional cost	4'372.50 USD/beneficiary 470'040 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/ Architect: 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 very cooperative.
- Old house had to be demolished! Difficult to get approval.

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 attachement

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

Watsan

Ceiling
Water
Toilets
Waste water
Rain water

Equipment

Heating system
Electricity connection
Telephone connection
Cooking facilities

Total (USD)

All Project

218'624 100%

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



First meeting with contractor on site



With the UNICEF team



Foundation of ground floor



We have to demolish the old house!