Health (Health-center) UNICEF secondment

Project

Humanitarian Aid construction group

Projects library of the specialized group for construction

PUBLIC BUILDINGS

Project name	Post Tsunami School Project in
Country	Sri Lanka
Region/town	Matara / Balapitiya
GIS data (WGS 84)	Balapitiya
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	



Base Hospital - Balapitiya

Partners

Organization (donor) UNICEF IO/NGO partners

GO partners

Ministry of Health

Context to project

Initial Situation Base Hospital

Mother Baby Unit and Lactation Unit with better facilities and new toilet Goals, Beneficiaries

Implementations/Results Ground floor: 6 offices unit and 1 units of toilets and 1 unit washing room

Upper floor: 1 Bed area, dining area, lobby and 1 unit of toilets for ladies.

Reference data (comparative)

Land plot	Total existing land extent = 56665.99 m2	Number of blocks	1
Total rooms	12	Number of units	1
Beneficiary /unit	Maximum 8	Total beneficiaries	Approx 24 residing patients
Latrines	2 unit: female	Other infrastructure	Drainage will be renovated around the building
Ground floor (incl. walls)	309.5 m2	Upper Floor (incl. walls)	136.8 m2
Total surface	446.3 m2	Surface / beneficiary	18.16 m2/ beneficiary
Volume (outside dim.)	1537.5 m3	Volume / beneficiary	64.06 m3/ beneficiary
Heated surface	None.	Total cost / Total surface	317.26USD/m2
Total cost (Finalized bills 05/08/2010	141'592USD (107.5) 15'221'178.00 LKR	With additional cost	5'899USD/beneficiary
03, 00, 2010	13 221 1/0.00 LKR		64'421LKR/beneficiary

Humanitarian Aid construction group

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 –facility 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.
- Previous building had to be demolished! No space for contractor!
- New building is in the middle of the hospital, very difficult construction
- Old electric cable had had to be displaced, thanks to good work of doctor and contractor after 3 month it could be done!

Lessons learned

- · Small hospital facilities 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)

Humanitarian Aid construction group

Construction information

cost repartition

Construction

Structure Foundations

Walls or columns

Facade Roof

Earthquake protection

Materials Floor surface

Walls: Doors Windows Ceiling

Thermo insulation

Ceiling

Watsan Water

Toilets Waste water Rain water

Equipment Heating system

Electricity connection Telephone connection Cooking facilities

Total (USD) All Project 141'592 100%

Urban planning

Distance to : Village 100m to village center

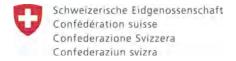
Public transport Bus to Galle and Colombo (about 40 km resp. 70 km)

Bus and train from Balapitiya 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 Management 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, Balapitiya-site-office and Head-office Colombo
Recommended partiters.	Contractor: Lanka Trading & Construction Co. (PVT) LTD, Balapitiya-Office and Colombo Head-office
Recommended books/reports:	
Relevant other projects (links):	

Humanitarian Aid construction group



Relevant illustration



First meeting UNICEF CMU-Team with Contractor



Demolition of the previous building



After the demolition



Team meeting with Consultant and Contractor

