




Projects library of the specialized group for construction

PUBLIC BUILDINGS

Project	School	
Project name	Tsunami school rehabilitation: Hartley College, Point Pedro, Jaffna	
Country	Sri Lanka	
Region/town	Point Pedro, Jaffna	
GIS data (WGS 84)		
Project type	rehabilitation / New construction	
Typology	classrooms	
Approach	contracted construction	
Beneficiaries	Returnee / IDP / refugee	
Climate	Hot, humid	
Special constraint	tsunami/flood	
start / end of project	2005 / 2008	
Country GNP	2200 USD/cap	

Partners

Organization (donor)	Financed by SDC Swiss Agency for Development and Cooperation
IO/NGO partners	
GO partners	Secretary of the Ministry of Education Northeast Province School Works Branch Jaffna Provincial Education Director Zonal Education Director

Context to project

Initial Situation	On 26 th December 2004 the southern and eastern coastlines of Sri Lanka were hit by a devastating Tsunami that was caused by a powerful earthquake located off the coast of Sumatra. In Vadamarachchi North and East on Jaffna Peninsula, some 17 schools have been affected by the Tsunami. Some institutions were directly affected by water other were used as welfare centres by the affected population.
Goals, Beneficiaries	This project supports the Government's efforts to reinstall and provide appropriate educational facilities to 1100 students. The renovation and upgrading have been requested by the School Development Society, the principal and the teachers. The request is supported by the Government Agent, the additional Director of Education and the School Works Branch Office Jaffna.
Implementations/Results	To permit the students to return to a normal life by rehabilitating the building after the tsunami and thus to support a positive development of the peace process



Reference data (comparative)

Land plot	11,744 m2	Number of blocks	23
Classes/rooms per blocks	6	Number of units	108
beneficiary /unit	12.89	Total beneficiaries	1391
latrines	22	Other infrastructure	Activity room
Ground floor (incl. walls)	305 m2	Floor (incl. walls)	floors
Total surface	1031.51 m2	Surface / beneficiary	1.27 m2/ beneficiary
Volume (outside dim.)	8765 m3	Volume / beneficiary	6.30 m3/ beneficiary
Heated surface	m2	Heated surface/ beneficiary	m2/ beneficiary
cost cof complex	USD	cost/beneficiary	USD/beneficiary
Total cost	USD	Self help (beneficiaries)	USD/beneficiary



Approach to results

Initial Situation

Hartley College was affected by the tsunami and falls under the category repair of damages. Some buildings needed refurbishing.

Approach

Additional class rooms, a multi purpose hall, science labs and a sports centre have been requested by the School Development Society, the principal and the teachers supported by the Government Agent, the additional Director of Education and the School Works Branch Office Jaffna.

The school rehabilitation work started in November 2005

SDC decided to withdraw its expatriates from Jaffna, for security reason on May 2006 and to work out of Colombo, in remote control. In June 2006 after evaluation of the situation, the decision was taken to suspend all construction projects and the relevant authorities were informed.

In March 2008, SDC resumed work on Hartley College. Selection of priority buildings to be finished was done during the visit of the back stopper in cooperation with the school authorities. Mainly a lab, furniture and equipment, the sports centre, water and sanitation and surrounding work were not selected anymore to be built.

Scaling down from the original plans made a new tender floating irrelevant and the original amount of the existing CP was found sufficient to cover for the reduced version as prices in the meantime have risen.

Problems/Constraints

Since August 2006, the vital A9 is closed again and the Peninsula is back to a conflict reality. SDC declared to be ready to resume activities when normalcy would return. Since the resumption of the construction work the biggest challenge was the complex bureaucratic approval procedure to obtain basic construction material like sand and cement.

Lessons learned

The isolation of Jaffna had its price in time and money and still a positive impact was possible.

Evaluation

Legal framework

Political attachment

Vaddamarachchi North, Point Pedro, Jaffna

Type of ownership

Ministry of Education Northeast Province



Construction information		cost repartition
Construction		
	Preliminaries	95,510
	Excavation and Earth work	32,912
Structure	Plain cement concrete (PCC) works	218,771
	Reinforced cement concrete works	1,456,433
	Reinforcement work	1,106,474
	Concrete block work	892,779
	Tinker and metal work	387,904
	Roof work	5,083,319
	Doors	207,123
	Windows & Fan lights	1,777,567
	Plaster works	1,459,414
	Painting and Decoration works	589,535
	Electrical Installation	331,174
	Plumbing work	118,732
	Miscellaneous work	570,050
Total		14'327'697 100%

Urban planning		
Distance to :	villages	0 km
	Public transport	available

For further information

Involved SHA construction group consultants	N/A
Other involved SHA consultants	Ueli Salzmann/Marc-Andre Buenzli
Author / Contact:	Tharshana Tharmalingam/Hugo Gisler
Recommended Institutions:	
Recommended partners:	
Recommended books/reports:	N/A
Relevant other projects (links):	N/A



Pictures Hartley College



Completed set 1



Completed set 1 U/F



Set 1 G/F

Set 1 U/F internal

