



# Project Description

about

## Remaining Work on Office & Playground

at

### Chhimbu Primary School

Upper Solu, Nepal

December 2007



**in international cooperation with  
Rotary Club of Kathmandu, District 3290, Nepal**

**written by Kurt Lomborg, member of Skivehus Rotary Klub**

#### Preface

Chhimbu Primary School was constructed in 1999-2000 by Skivehus Rotary Klub, District 1440, Denmark, in cooperation with Himalayan Project, Denmark, on the land donated by Ringi and Ang Gelbu Sherpa from Chhimbu. And it has been run by the same rotary club ever since as a Primary School (1.-5. class). Skivehus Rotary Club will terminate its support by 1. July 2008. But before leaving their duty, Skivehus Rotary Club wish to update the school to the best position for its further existence and development, on the conditions that the funding should come from external sources.

In 2006 Schwerin Rotary Club donated and in January 2007 Padborg-Kruså Rotary Klub donated, in July 2007 Rotary Danmarks Hjælpefond donated and during autumn 2007 six clubs from Nevada, USA have donated.

The school initiated the re-construction process by 28. May 2007 and the work was concluded on 31. October 2007.

By end of October I spend 4 days in Chhimbu monitoring the project and checking the account. I was very satisfied with the result leaving the school as a functional and beautiful structure being an integrated part of the landscape and population of the Lamjura Ridge.



But at the same time it was obvious, that still some work remained to make the school complete and full functional for a long period. And this Project Description is concerned about these remaining works on the school.

## **Project Details**

**A) The Office Wing:** Originally the classroom wing of the school is build on solid soil, while the office wing were build on fill. But it was claimed that the fundament were resting on a big rock. Anyhow very soon after completed the far end of the Office started to settle and this process continued for some years before it seemed to stop. But now the inner corner of the Office also has started to settle, probably because there has been too less drainage for the water of the monsoon rain, which has seeped down between the old firm soil and the fill layer.

Still there doesn't seem to be a risk that the Office shall collapse tomorrow, but the doors or windows are no longer fitting into their frames and long and deep cracks in the walls show that it is disintegrating. The fundament is slipping gradually more every year. Sooner or later it will fall out causing the gable to fall down. During the years it has also shown that the Office is a little too small, as it is regularly used for Village Meetings. So as a conclusion we decided to reconstruct the Office of the school right now.

The new Office will have the same width as the existing but it will be 5 feet longer, and it will rest on the below mentioned Office Wall.

There shall be put together an extra cupboard with separate rooms for each teacher, a long bench for meetings, and there shall be many racks on the walls.

**B) Office Wall:** The fundament of the Office will be build up from the bottom of the terrace below following the border between Ang Gelbu's land and the School's land. Part of the big rock will be cut away, or at least it will be cut into an even surface on which the wall/fundament can rest. The wall under the Office shall be very thick and well build with predominantly big stones. We don't want to see this wall slid away like the old one.

The wall will be extended along the border of the School's land to meet the wall of the Playground being build into this wall.

**C) Terrace below School Tree Nursery and Highway:** In 2007 Skivehus Rotary Klub and Himalayan Project bought half a ropani of land from Ang Gelbu and donated it for the school. Actually the school only wanted to buy the land necessary to relocate the Highway to give way for the extension of the school Playground. But according to the Land Registration Office such a small piece of curved land couldn't be registered, so instead they registered a bigger piece of land. Right now the school doesn't need such a terrace without direct connection to the school, but on the other hand, there still is a lot of surplus soil which has just been thrown on the School Tree Nursery, which need a permanent place. Furthermore the size of the present Tree Nursery has been decreased by the relocation of the Highway, and sooner or later a new toilet has to be build





on the land of the Nursery. Therefore it was decided to create a horizontal terrace with a well build wall behind which the surplus soil can be thrown. The entrance of this terrace shall be in the southern end of the newly bought piece of land in level with and from the highway. On this land the shall be arranged a second Tree Nursery.

**D) Plastering of the Walls of the School Buildings:** The old walls are now plastered with mud. But mud plastering isn't long lasting as it is washing out by rain and crumbling when touched, so the school always will look a little worn out and old.. Now when the new Nursery Class room is build and the Office will be build soon and plastering has to be done from beginning again, it was decided to plaster all visible surfaces of the school with a strong cement plaster, which will remain for long time and keep the school looking nice.

**E) Stone Slates along the walls of the school building (peti):** There already are stone slates along the Office and Classroom side of the building. When school is reconstructed the peti shall follow all the walls on the visible front sides. This will protect the walls and fundament against water falling from the gutter less roof. All the existing slates shall be taken up and the step where they are laying shall be lifted approximately 5 cm on a stone fundament, and the slates shall be laid in cement so it will remain fixed.

**F) Cement topping of Highway Walls:** The newly build walls on both sides of the Highway will be exposed to heavy wear and tear, when children are running on the wall, porters are setting aside their baskets or other road users pushing the stones. Therefore it was decided to give it a 10 cm thick cement topping, which shall be strengthened by two 4 mm iron rod running inside and along the topping.

Also the wall of the Playground which is above the Highway shall be cement topped, but without iron rod and not that thick, just to secure it, that stones shall not fall down in the road users. But before topping this wall it shall be secured that the Playground has an inclination so the rain water can drain off, and the drainage holes in the wall shall be adjusted for this purpose, before cement topping is done.

**G) Smaller accessories:** The new windows of the Nursery Class and the windows of the new Office shall have iron grills mounted for protection against balls and activities on the Playground, but also to protect against thieves.

The same windows shall have glass mounted in the frames.

The cement plastered walls shall be painted

The old roof need one more time of painting to make it look like the new roofs.



All workers, Contractors, Teachers, School Committee and Monitorer

And a little bit of budget should be left for something else unforeseen.

**H) Administration, Monitoring and Reporting:**

There will be minor expenses for administration, distribution of construction funds and also for a survey team visiting the project site to monitor and later to report the project. Himalayan Project, Nepal (HIPRON) has a Regular Runner Service visiting Chhimbu every 3 months, which will



**Contractors Dille Thami and Ang Gelu Sherpa**

provide the cheapest and a sufficiently professional work. There will be charged 10% of the total project budget for those expenses.

**Budget**

The remaining project were discussed with the two contractors from the previous upgrading project, and it was decided to give them the contract in such a way that Dille Thami from Chhimbu took the contract on all the Office reconstruction and work on walls, and Ang Gelu Sherpa from Kinja took the contract on all the work with cement topping and plastering. In that way it wasn't necessary to go deep into calculations on all the construction details. The budget were discussed in a way of giving and taking, and finally it was increased a little, because both contractors are very reasonable and easygoing persons. But at the same time this small increase of the contract sum also implicates, that there will be no later discussion on details - they have to be included in the contract.

**The Contract of Dille Thami from Chhimbu:**

**Reconstruction of Office:**

1) Windows and Doors including materials	12.000 NRS	
2) Stones: 8 pile x 1.500 NRS	12.000 NRS	
3) Labour: 60 Man Days x 250 NRS	15.000 NRS	
4) - 25 Man Days x 200 NRS	5.000 NRS	
5) Tinplates 8 psc + Skylight 1 psc	10.000 NRS	
6) Beams and Battens	8.000 NRS	
7) Stone slates for peti	4.000 NRS	
8) Ceiling	4.000 NRS	
9) Cupboard, bench and Racks	8.000 NRS	
10) Paint, glass, grill and nails	10.000 NRS	
	<b>TOTAL:</b>	<b>95.000 NRS    7.900 DKR</b>

**Office Wall (15 meter long x 1 meter wide x 12 feet high):**

1) Stones: 23 pile x 1.500 NRS	34.500 NRS
2) 80 Man Days x 250 NRS	20.000 NRS
3) Soil filling from Nursery 25 MD x 200NRS	5.000 NRS
	<b>TOTAL:    65.000 NRS    5.400 DKR</b>

**Nursery Wall (100 feet long x 15+5 feet high x 3 feet wide):**

1) Stones: 45 pile x 1.500 NRS	67.500 NRS
2) 115 Man Days x 250 NRS	28.750 NRS



3) Soil filling from Nursery 70 MD x 200NRS 14.000 NRS

4) Royalty for Stones 2.500 NRS

**TOTAL: 120.000 NRS 10.000 DKR**

**The Contract of Ang Gelu Sherpa from Kinja:**

**Materials (Cement, Sand, Gravel and Iron Rod) *by BILL.***

Budget on Materials is:

1) Wall topping: cement concrete 1 : 3 : 4

10 cm thick x 45 cm wide x 95 meter long

1 sack of cement per 3,1 meter 30 sacks

2) Wall plastering: cement 1 : 4 & 20 mm thick

41,5 m length x 2,5 m high ÷ 24 m<sup>2</sup> (5 doors, 7 windows) = 80 m<sup>2</sup>

1 sack per 5,5 m<sup>2</sup> 16 sacks

3) Peti (stone slates) 5 sacks

4) Blackboard 1 sack

Cement: 52 sacks x 1.300 NRS 67.600 NRS

Sand & Gravel 6.000 NRS

Iron Rod 4.000 NRS

**TOTAL: 77.600 NRS 6.500 DKR**

**Labor Costs:**

1) Washing out old mud plaster:

30 Man Days x 200 NRS 6.000 NRS

2) Cement work: 100 Man Days x 250 NRS 25.000 NRS

3) Mud plaster back side of Office incl. mud:

20 Man Days x 250 NRS 5.000 NRS

4) Stone slates: 12 Man Days x 250 NRS 3.000 NRS

5) Mud filling: 10 Man Days x 200 NRS 2.000 NRS



6) Blackboard: 5 Man Days x 250 NRS	1.250 NRS	
7) RCC iron rod: 10 Man Days x 250 NRS	2.500 NRS	
	<b>TOTAL:</b>	<b>60.000 NRS    5.000 DKR</b>
<b>TOTAL BUDGET:</b>		<b>417.600 NRS    34.800 DKR</b>
<b>Surplus from Playground Budget</b>		<b>÷59.739 NRS    ÷5.000 DKR</b>
<b>Needed Project Funding at Chhimbu</b>		<b>358.000 NRS    30.000 DKR</b>
<b>Administration &amp; Monitoring 10%</b>		<b>3.500 DKR</b>
<b>TOTAL PROJECT BUDGET:</b>		<b>33.500 DKR</b>

### Discussion

Once more it shall be emphasized, that the contracts are adjusted upwards to open up for doing those works which might show up during the construction process, without claiming more budget. Only major extra works can be subject to discussion.

### Postscript

With a support from Skivehus Rotary Klub on above mentioned details and above mentioned amounts Chhimbu Primary School will receive the finish which will make it a fully finished compound, which can offer students and teachers the best environment for future functionality and academic surroundings.



We are all aware about the working procedures of Rotary which some times can be prolonged of various reasons. We are therefore aware that there can't be given green light before a donor is found and before this donor gives a date of transfer.

### **The project will be managed in Chhimbu under the responsibility of**

Headmaster Bhimsen Bashnet  
 Teacher Jangbu Sherpa  
 Chhimbu Primary School  
 Bakanje ward 8, Solukhumbu, Nepal  
 Tel.:

### **The project will be monitored and reported by**

Runner Service of Himalayan Project, Nepal (HIPRON)  
 By Namgyal Jangbu Sherpa  
 P.O.Box: 15142, Kathmandu, Nepal  
 Email: nepalhelp@enet.com.np  
 Tel.: 00977-1-444 60 14

### **The project will be supervised by:**

rtn. Kurt Lomborg, Skivehus Rotary Klub, District 1440, Denmark  
 chairman of Himalayan Project, Denmark (www.nepalhelp.dk)  
 Kjeldbjergvej 34

DK-7800 Skive  
email: klomborg@post11.tele.dk  
Tel.: 0045-97 54 53 08

**and:**

Rtn. Bishnu Subedi, Rotary Club of Kathmandu, District 3290, Nepal  
Rotary Hall of Kathmandu  
Kathmandu, Nepal  
Tel.: 0977-1-4245783  
Email: talisman@wlink.com.np  
Tel.: 00977-98510 24103

**Funds to be transferred to:**

**Rotary Club of Kathmandu - Current Account # 85**  
**Rastriya Banijya Bank - Branch: Thapathali, Kathmandu**  
**C/O Rastriya Banijya Bank - Main Branch Office**  
**Super Market Building, New Road, Kathmandu, Nepal**  
**Tel.No. 00977-4230590 - Fax No. 00977-4228337**  
**Telex no.: 2247NP / 2354NP - SWIFT: no code**  
**Via: Citibank NA., New York**  
**Chips No. CP 0008 - SWIFT No. CITIUS33 - FED ABA No. 021000089**

**and further for:**

**Chhimbu Primary School Savings Account # 7588**  
**Rastriya Banijya Bank - Branch: Salleri, Solukhumbu**

On the date of: \_\_\_\_\_

This Project Description has been gone through in Chhimbu.  
If it can be approved without changes it can be signed here by:

\_\_\_\_\_  
Contractor Dille Thami from Chhimbu

\_\_\_\_\_  
Contractor Ang Gelu Sherpa from Kinja

\_\_\_\_\_  
Headmaster Bhimsen Bashnet

\_\_\_\_\_  
Chairman Phurwa Gyalzen Sherpa

If there are minor suggestions to changes they can be written here under, and still the Project Description can be signed above here.

If there a major changes or many issues which can't be approved, it shall be described and explained and send back to Himalayan Project for further decission, and in this case the Project Description shall not be signed.