



Rotary Club of Kathmandu

District 3290, Nepal

Project Description

Date: 13. February 2006

Submitted for Padborg-Kruså Rotary Klub, District 1460, Denmark

Project: Reconstruction of Shree Chandra Jyoti Lower Secondary School

Location: Sagar-Bakanje, Bakanje ward no 4, Solu-Khumbu District, Nepal

Preface

Until recently the school consists of an old wing containing 5 small classrooms, and a wing containing office. Both were built in 1967 by Sir Edmund Hillary (first ascender of Mt. Everest). In the late nineties two earthquake resistant buildings were constructed with the help of UNDP (United Nations Development Programme), but they were never fully completed. Finally there is an old toilet, in which the pit has filled up, so it is in an incredible condition.

In 2005 Himalayan Project, Denmark with the support of Venø Menighedsforening covered the earthen floors of the two newest buildings with stone slabs and supplied with 54 sets of students furniture and 7 teachers tables.

Likewise in 2005 a sanitation project was initiated with the support of Nykøbing Rotary Klub, District 1440, Denmark, Rotary Danmark Hjælpefond and Himalayan Project. Because of lack of activity at a Kathmandu-based co-operator, only the Water Post in the schoolyard was constructed. The construction of toilet will be initiated in spring 2007.

The school is headed by Headmaster Ang Dawa Sherpa, Sete, Bakanje 9, Solukhumbu. The school in run as a Lower Secondary School; means up to 7. class. It has recently received approval running the 8. class. In the municipality it is the only school running Secondary level. It receive students from 7 schools. Gumdol Lower Secondary School with 50 students. Kenja Primary School with 75 students. Shringma Primary School with 40 students. Sagardanda Primary School with 60 students. Dachhu Preprimary School with 15 students. Changnyima Preprimary School with 20 students. And Chhimbu Primary School with 55 students (this school has been run by Skivehus Rotary Klub, Denmark since year 2000)

Seven teachers salaries are paid by Government and one (the 8. class teacher) is privately paid by Himalayan Project, Denmark. Most educational materials are paid by government with supplementary delivery by Himalayan Trust (the organization supporting Sir Edmund Hillary's Schools) and occasional delivery by Himalayan Project, Denmark.

There are no school fees at the school, all education are free.

The approval running 8. class and the private employment of a 8. class English medium teacher, who educates in 6-8. class, has meant that more students are now enrolled in the school than before. This is most distinct in the secondary level after class 6. In 2005-6 the number of students were 104.

Number of students in 2006-7: 122

	Girls	Boys		Girls	Boys
1. class	12	6	6. class	13	14
2. class	3	6	7. class	9	10
3. class	4	4	8. class	4	14
4. class	7	6			
5. class	2	6			

The Reconstruction Process

- 1) The 39 years old classroom wing with 5 small rooms is already at this moment demolished and the construction site under preparation. The new raw schoolhouse with walls, windows, doors, roof and floor will be constructed by RRN (Rural Reconstruction Nepal ó an UNDP supported NGO) during the winter and spring of 2007.
 - 2) As soon as this raw construction is completed, the sanitary unit supported by Nykøbing Rotary Klub will be constructed adjacent to the schoolhouse, consisting of urinal, two toilet rooms, one bathroom and two pits.
 - 3) The new schoolhouse (1) shall be boarded with inner wall and roof wooden covering for insulation and noise reduction from monsoon rain and from adjacent classrooms. Each classroom shall be provided with basic educational materials like black board, maps and wall sheets.
 - 4) The recent built two earthquake resistant schoolhouses shall be boarded with inner wall and roof wooden covering for insulation and noise reduction from monsoon rain. Each classroom shall be provided with basic educational materials like black board, maps and wall sheets.
 - 5) One new schoolhouse shall be built in two levels with science laboratory in basic level, half dug into the ground, and the dry first floor for computer education and library.
 - 6) The science-library building shall have sufficient and modern supply of necessary educational materials like science equipment, computers and books.
 - 7) Half of the school compound is already surrounded by a compound wall, but around the southern demarcation it is missing, letting cows ruin the newly planted pine grove and grassy areas
 - 8) Installing solar heating for hot shower in sanitary complex building.
 - 9) 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 provide the cheapest and a sufficiently professional work. There will be charged 15% of the project budget for those expenses.

Project Description and Budget:

Point 1) and 2) is already being implemented by others.

Point 5), 6), 7) and 8) are still ahead, and the school already has an opportunity to have some of the work done by support from municipality (VDC). The remaining part of those points will be described and applied at a later occasion.

It is only Point 3) and 4) which is applied for by Virum Rotary Klub for the moment.

The following budget and description is done by rotarian Kurt Lomborg who is experienced in local construction details in Upper Solu



One of the Earthquake resistant School Houses

Project Details:

3) Wooden covering for walls and roof in all rooms of the new schoolhouse

3-A) The 2 classrooms 18 feet x 14 feet in the new school house:

Walls:

$$\text{back wall: } 17,7 \text{ feet (long) } \times 9,2 \text{ feet (high) } = 163 \text{ feet}^2$$

$$\text{side walls: } 13,7 \text{ feet (long) } \times 9,2 \text{ feet (high) } = 126 \text{ feet}^2 \times 2 \text{ walls } = 252 \text{ feet}^2$$

$$+ \text{ triangular topwall: } 13,7 \text{ feet } \times 3,2 \text{ feet } / 2 = 22 \text{ feet}^2 \times 2 = 44 \text{ feet}^2$$

$$\text{front wall: } 163 \text{ feet}^2 \text{ ó } 22 \text{ feet}^2 \text{ (door) ó } 28 \text{ feet}^2 \text{ (2 windows) } = 113 \text{ feet}^2$$

Roof:

$$7,6 \text{ feet (up) } \times 17,7 \text{ feet (long) } = 134 \text{ feet}^2 \times 2 \text{ roof sides } \text{ ó } 18 \text{ feet}^2 \text{ (skylight) } = 250 \text{ feet}^2$$

$$\text{Total } = 822 \text{ feet}^2 \times 2 \text{ rooms } = 1.644 \text{ feet}^2$$

3-B) The 2 classrooms 17 feet x 14 feet in the new school house:

Walls:

$$\text{back wall: } 16,7 \text{ feet (long) } \times 9,2 \text{ feet (high) } = 153 \text{ feet}^2$$

$$\text{side walls: } 13,7 \text{ feet (long) } \times 9,2 \text{ feet (high) } = 126 \text{ feet}^2 \times 2 \text{ walls } = 252 \text{ feet}^2$$

$$+ \text{ triangular topwall: } 13,7 \text{ feet } \times 3,2 \text{ feet } / 2 = 22 \text{ feet}^2 \times 2 = 44 \text{ feet}^2$$

$$\text{front wall: } 153 \text{ feet}^2 \text{ ó } 22 \text{ feet}^2 \text{ (door) ó } 24 \text{ feet}^2 \text{ (2 windows) } = 107 \text{ feet}^2$$

Roof:

$$7,6 \text{ feet (up) } \times 16,7 \text{ feet (long) } = 127,32 \text{ feet}^2 \times 2 \text{ roof sides } \text{ ó } 18 \text{ feet}^2 \text{ (skylight) } = 236 \text{ feet}^2$$

$$\text{Total } = 792 \text{ feet}^2 \times 2 \text{ rooms } = 1.584 \text{ feet}^2$$

3-A&B) Wooden ceiling in all 4 classrooms:

$$\text{Wood: } 3.228 \text{ feet}^2 \times 15 \text{ Rs/foot}^2 =$$

48.500 NRS

$$\text{Work: } 3.228 \text{ feet}^2 \times 9 \text{ Rs/foot}^2 =$$

29.000 NRS

$$\text{Total wooden ceiling } =$$

77.500 NRS

$$\text{Educational Materials: } 3.000 \text{ Rs } \times 4 \text{ rooms } =$$

12.000 NRS

$$\text{Total internal furnishing of the new school house } =$$

90.000 NRS

4) Wooden covering for walls and roof in all rooms of the two earthquake resistant school houses

The 4 classrooms 21 feet x 14 feet:

Walls:

$$\text{back wall: } 20,7 \text{ feet (long) } \times 9,0 \text{ feet (high) } = 186 \text{ feet}^2$$

$$\text{side walls: } 13,7 \text{ feet (long) } \times 9,0 \text{ feet (high) } = 123 \text{ feet}^2 \times 2 \text{ walls } = 246 \text{ feet}^2$$

$$+ \text{ triangular topwall: } 13,7 \text{ feet } \times 3,2 \text{ feet } / 2 = 22 \text{ feet}^2 \times 2 = 44 \text{ feet}^2$$

$$\text{front wall: } 186 \text{ feet}^2 \text{ ó } 22 \text{ feet}^2 \text{ (door) ó } 45 \text{ feet}^2 \text{ (3 windows) } = 119 \text{ feet}^2$$

Roof:

$$7,6 \text{ feet (up) } \times 20,7 \text{ feet (long) } = 157,32 \text{ feet}^2 \times 2 \text{ roof sides } = 314 \text{ feet}^2$$

$$\text{Total } = 909 \text{ feet}^2 \times 4 \text{ rooms } = 3.636 \text{ feet}^2$$

Wooden ceiling in all 4 classrooms:

$$\text{Wood: } 3.636 \text{ feet}^2 \times 15 \text{ Rs/foot}^2 =$$

54.500 NRS

$$\text{Work: } 3.636 \text{ feet}^2 \times 9 \text{ Rs/foot}^2 =$$

32.750 NRS

$$\text{Total wooden ceiling } =$$

87.250 NRS

$$\text{Educational Materials: } 3.000 \text{ Rs } \times 4 \text{ rooms } =$$

12.000 NRS

$$\text{Total internal furnishing of the new school house } =$$

99.250 NRS

$$\text{Total Work on Location } =$$

189.250 NRS

8) Administration, Monitoring and Reporting = 15% =

27.500 NRS

Total Project Budget:

216.750 NRS

The approximate currency rate in this period is **11,5 NRS/DKR =**

18.850 DKR

Discussion

During the construction process there will be kept account showing the actual expenditures.

It shall be kept in mind that all above calculations are only guidelines.

No salaries shall be unrealistic low or high in reality.

The expenses on materials can vary according to where it is purchased, as transportation expenses show considerable variations.

The Construction Committee shall work honestly and sincere with the funding.

The project will be Monitored and Reported by Upper Solu Runner Service by Himalayan Project.

Postscript

With a support from Virum Rotary Klub on above mentioned details and above mentioned amounts the school building will receive the finish which will make it a quality construction, 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 and about The Rotary Foundation (TRF) and Rotary Danmarks Hjælpfond, which should be able to support mentioned remaining construction. We are also aware that there can't be given green light before April 2007. But it will on the other hand be appropriate starting the remaining construction by end of winter and before monsoon time in summer.

We hope very much, that there will be no further delay until next session of TRF in October, as it will delay the opening of the new school, and running into winter work, with further delay.



The old building in November 2006 and by mid December. By end of December most materials are purchased, and by end of January the construction will take place.



Rural Reconstruction, Nepal (RRN) in Kathmandu will receive a copy of this Project Description for their information, comments and suggestions.

In the sincere hope that your club will respond positive to this application for supporting the completion of the reconstructed school at Sagar-Bakanje Village, and the students of the remote village of Sagar-Bakanje, we thank you for the interest which you have already shown to this very necessary and prosperous project.

The project will be managed in Sagar-Bakanje under the responsibility of

Headmaster Ang Dawa Sherpa
Shree Chandra Jyoti Lower Secondary School
Bakanje ward 4, Solukhumbu, Nepal

The project will be monitored and reported by

Runner Service of Himalayan Project, Nepal (HIPRON)
By Namgyal Jangbu Sherpa
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Tel.: 00977-1-444 60 14

The project will be supervised by:

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and:

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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