



Rotary Club of Kathmandu

District 3290, Nepal



Project Description

Date: 13. February 2007

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

Project: Repair and upgrading of Shree Jwalamai Primary School

Location: Thamakhani ward 5, SoluKhumbu District, Nepal

Preface:

The Primary School in Thamakhani Village was built in 1990 as a public school. Teachers' salaries and educational materials are paid by Ministry of Education, supplied with exercise books and some other materials by Himalayan Trust.

The school is working very well. The teachers are capable and sincere. The students are energetic and attentive. All in all there is a very good, friendly, respectful and happy atmosphere.

But after a number of years in action the school is in need of some repair, and some deficiencies are showing up.

But as the school has no income sources itself and no funds are supplied, the school is dependent on the good will of charitable organizations, and that is why the school is now approaching Padborg-Kruså Rotary Klub through Rotary Club of Kathmandu.



There are 3 teachers:

Headmaster Bai Kaji Magar (45 years old, education 10+2, teacher in the valley for 25 years)

Bam Prasad Bastola (34 years old, education 10+2, teacher at the school for 14 years)

Prem Kumari Shrestha (33 years old, education SLC, teacher at the school for 7 years)

There are teacher meetings once a month

In 2005 there were 65 students:

	girls	boys
Class 1	8	7
Class 2	8	5
Class 3	7	6
Class 4	4	8
Class 5	5	7

The School Managing Committee Chairman is Bir Bahadur Magar

The committee is active and has meetings every second month, and parents meetings twice a year, where 60-70% of parents are attending.

Project Details:

The complete list of work, which the school needs to meet the needs of teachers and students, is:

A) Extension of the Playground:

The Playground is very narrow giving very less space for the outlet of energy of the students.

A1) The school is situated on a slope which is relatively steep, so the only way to extend the playground is to cut away the soil of the adjacent terrace, 4-5 meters high and 6-8 meter wide.

The soil dug away shall be thrown down the slope on the back side or entrance of the school, giving foundation for one more school building and the new toilet.

A2) There will also be need of a very massive and well build supporting wall, build with steps to prevent falling materials to fall from top to bottom without stop. They could be build in a way that gave place for a small flower groove.

A3) The school will have to buy the land from the neighbors. The land where soil is dug away, and the land, where the soil is deposited as well.

B) Construction of a new building for Office and Science Laboratory:

The oldest building contains 2 class rooms and a small Office. A more recent constructed building contains 2 class rooms. In total 4 classrooms, this is one room too less for a primary School. A new building should be constructed containing an Office of a proper size and a room for science education. There shall be skylight plates in the roof for sufficient light. The present office in the old building can be changed into a normal classroom.

C) Interior equipment for the new building:

C1) The whole new building shall be boarded with wooden ceiling under roof as well as on walls.

C2) The Office shall be equipped with cupboards and shelves for storing of educational materials and furniture for teachers and committee meetings. The science room shall be equipped for science education and science equipment, with shelves, glass cabinets, cupboards and heavy tables for scientific experiments.

C3) The Science Room shall be equipped with relevant science materials

D) Toilet:

The toilet is nasty and very simple. No one wants to use it any more. It needs to be replaced by a new toilet of a proper quality. It is recommended that the toilet is constructed like the new standard of Himalayan Project, with 2 pits, 2 toilet rooms, a urinal and a shower room, where there later on will be installed solar water heater. The same construction which is now under development at Loding and Sagar-Bakanje School.

E) Repair of Windows, Doors and Walls of the old buildings:

Most of the doors and some of the windows at the school are worn out and don't work any more. They are rotting or wrenched by use. The doors can't close and the windows can't open. Also the walls of the buildings need repair. The plaster is falling off and in some places the bricks are loose.

F) Wooden ceiling for Classrooms and Skylight:

In all classrooms there is already wooden boarding on all the side walls. But in between the classrooms the wooden wall is only a single wall, giving almost no noise reduction between the rooms. And the roof is naked roof tin with no covering, leading to very shifting temperatures and very noisy during rainy season. Before covering the roof with wooden planks, there is a wish to replace some of the tin plates with transparent skylight plates, giving more light in the classrooms.

G) Administration, Monitoring and Reporting:

There will be 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 Thamakhani every 3 months, which will provide the cheapest and a sufficiently professional work. There will be charged 15% of the total project budget for those expenses.

Project Budget:

For the moment a budget is available only for **D), E) & F)** of the remaining budgets will be submitted when this Project Proposal is changed into a Project Description. It shall be pointed out, that only **A2) & B)** can't be applied for Matching Grant from The Rotary Foundation and Rotary Danmarks Hjælpefond. All the rest of the project details can be matched.

A) Extension of the Playground:

A1) The volume of soil to be cut away shall be at least:

3,6 meter / 12 feet (width) x 4,9 meter / 16 feet (height) x 11,9 meter / 39 feet (length)

Volume: 210 m³ / 7.500 feet³

but actually it could be extended up to 20% (250 m³ / 9.000 feet³)

Wages for cutting soil and throwing it up to 25 meter from the place of picking it up is 4-5

NRS/foot²: 7.500-9.000 feet² x 4-5 NRS = 30.000-45.000 NRS

A2) The volume of the wall will be 16 x 39 x 2 feet = 1.250 feet³ of with efficiency rate on 75% in one pile (125 feet² x 75%) it will be 94 feet² per pile of budget 15 piles

Stonebreaking: 600 NRS/pile = 9.000 NRS

Transportation to construction site: 1.500 NRS/pile = 22.500 NRS

A3) It is still unclear how far the land owner will donate the land or demand a payment, and in the case of payment it is uncertain how much. **It has to be cleared before the project starts!**

TOTAL = 75.000 NRS

With currency rate 11,50 NRS/DKR: 6.500 DKR

With currency rate 70 NRS/US\$: 1.070 US\$

B) Construction of a new building for Office and Science Laboratory:

The new building will have the size:

10 meter / 33 feet (length) x 5 meter / 16,5 feet (width) x 2,75 meter / 9 feet (wall height) or 3,80 meter / 12,5 feet (house end height) - and walls 1½-2 feet (thickness) - and divided into two rooms

Stones: with efficiency rate on 70-75% there will be a need of 25-30 piles of stone

Stonebreaking: 600 NRS/pile x 30 piles = 18.000 NRS

Transportation to construction site: 1.500 NRS/pile x 30 piles = 45.000 NRS

1 Skilled and 2 Unskilled Stonelayers Man Days per m³ of Foundation incl. digging soil =

1 Skilled and 2,3 Unskilled Stonelayers Man Days per m ³ of Walls =	10.000 NRS
Wood for beams, door- and window frames and other wooden materials:	35.000 NRS
Wood, lump sum budget =	25.000 NRS
Carpenter wages, lump sum budget =	15.000 NRS
Roof : 26 BWG Colored C.G.I. Sheet = 5 bundles (á 12 pieces 6 x 3 feet):	
10.500 NRS/bundle x 5 bundles =	52.500 NRS
Sky light Sheets: 2 pieces x 1.500 NRS =	3.000 NRS
Roofing and other miscellaneous wages =	5.000 NRS
TOTAL =	<u>208.500 NRS</u>
With currency rate 11,50 NRS/DKR:	18.100 DKR
With currency rate 70 NRS/US\$:	2.975 US\$

C) Interior equipment for the new building:

C1) Top ceiling in 2 rooms 9 x 4,5 m:	
1,5ö wooden planks: 80 pieces x 2,66m x 0,20m x 80 NRS =	6.400 NRS
Wood railing: 6 pieces x 200 NRS =	1.200 NRS
Nails: 5 kg x 100 NRS =	500 NRS
Carpenter wages: 18 days x 280 NRS =	5.000 NRS
Side ceiling and partition in 2 rooms 9 m x 4,5 m:	
1,0ö wooden planks: 185 pieces x 70 NRS =	13.000 NRS
Nails: 5 kg x 100 NRS =	500 NRS
Carpenter wages: 23 days x 280 NRS =	6.500 NRS
C2) Furniture for Office Room: 2 Cupboards and many Shelves on walls:	12.000 NRS
3 Tables and 6 Chairs:	15.000 NRS
Furniture for Science Room: 1 Cupboard, 1 Glass Cabinet and many Shelves:	12.000 NRS
1 heavy Table and 6 Chairs:	12.000 NRS
C3) Science Equipment	30.000 NRS
Total for equipping new building:	<u>114.100 NRS</u>
With currency rate 11,50 NRS/DKR:	9.900 DKR
With currency rate 70 NRS/US\$:	1.630 US\$

D) Toilet ó 2 rooms with 2 pits, 1 urinal and bathroom:

The new sanitary complex will be set up on the same scene as the old one which will be taken down. There of course has to be easy access to the new complex, which will be managed during the work on Playground. The construction will be of the same design and high quality as the sanitary complex build simultaneously at Loding and Sagar-Bakanje School. **The detailed design and description will be delivered as an appendix to this Project Description.**

- 1) It will consist of a room for urinal for boys with a collection tank on 500-750 liter with a tap for use as fertilizer in the schools gardens and by villagers.
- 2) There shall be a bathroom with a small dressing room with an extra roof platform to be prepared for solar heated hot water tank and equipment, which will be installed at a later time when design is decided. The wastewater will be lead out as surface water.
- 3) There shall be two toilet rooms ó one for boys/men and one for girls/women.
- 4) There shall be two pits 5 feet wide (internal measure) and 5 feet deep with an estimated durability of 3 years each, when mixed with dry leaves, to be emptied every 6 years to be used as fertilizer at school gardens and by villagers. The pits shall be with well build dry wall for long durability, with upper part in cement and even top, for placement of two ferro concrete slabs.

All rooms shall on inner side be plastered with two layers of cement. First a heavy and rough layer and later a fine and glittered layer for easy cleaning. Outside plastered with mud.

There shall be openings for ventilation on top of wall, but wall and roof shall fit to each other nicely.

Budgetting on toilet: ðHimalayan Project Concept Paper ó Construction of Sanitary Complexö:

Taking down old toilet, digging soil, digging for foundation, making access way	
All by volunteer labour donation by villagers	
Foundation excluding digging of soil =	25.500 NRS
Floor (could be cheaper with cheapest access to cement (R.R.N.-store?))=	68.000 NRS
Wooden Frames =	1.650 NRS
Walls (stones transportation should be considered) =	36.000 NRS
Beams =	5.600 NRS
Urinal =	1.200 NRS
Cement Plastering (could be cheaper) =	42.000 NRS
Roof Sheet Works =	38.000 NRS
Miscellaneous =	4.000 NRS
Water Supply =	5.000 NRS
Septic Tanks (stones transportation should be considered) =	36.000 NRS
Urine Tank =	3.500 NRS

TOTAL for sanitary complex: 266.450 NRS
With currency rate 11,50 NRS/DKR: 23.150 DKR
With currency rate 70 NRS/US\$: 3.800 US\$

E) Repair of Windows, Doors and Walls of the old buildings:

Windows: 14 windows 0,97 m x 2,30 m	
Carpenter salary and wood: 800 NRS each window x 14 =	11.200 NRS
Doors: 4 Doors 0,82 m x 2,00 m	
Carpenter salary and wood: 900 NRS each window x 4 =	3.600 NRS
Painting: Painter wages: 5 days x 250 NRS per day =	1.250 NRS
Wood primer: 16 tin x 250 NRS =	4.000 NRS
Green color paint: 12 tin x 250 NRS =	3.000 NRS
White color paint: 6 tins x 250 NRS =	1.500 NRS
Painting brushes: 6 pieces x 75 NRS =	450 NRS
Nails: 10 kg x 100 NRS =	1.000 NRS
Walls: Simple repair of holes and loose stones	1.000 NRS
50 m ² 2,5 cm mud plaster work x 140 NRS/m ² =	7.000 NRS
Total for Repair of old buildings:	<u>34.000 NRS</u>
With currency rate 11,50 NRS/DKR:	3.000 DKR
With currency rate 70 NRS/US\$:	485 US\$

F) Wooden ceiling for Old Classrooms and Skylight:

Skylight plates: 5 pieces, 3 x 6 feet, x 800 NRS =	4.000 NRS
Repair of roof ceiling in 3 rooms:	1.500 NRS
Top ceiling in 2 rooms 24 x 6 m:	
1,5ö wooden planks: 270 pieces x 2,66m x 0,20m x 80 NRS =	21.600 NRS
Wood railing: 21 pieces x 200 NRS =	4.200 NRS
Nails: 15 kg x 100 NRS =	1.500 NRS
Carpenter wages: 60 days x 280 NRS =	16.800 NRS
Side ceiling and partition in 2 rooms 14m x 6 m:	
1,0ö wooden planks: 370 pieces x 70 NRS =	25.900 NRS
Nails: 15 kg x 100 NRS =	1.500 NRS
Carpenter wages: 45 days x 280 NRS =	12.600 NRS
Total for Wooden Ceiling:	<u>84.100 NRS</u>
With currency rate 11,50 NRS/DKR:	7.300 DKR
With currency rate 70 NRS/US\$:	1.200 US\$

Budget Summary:

A) Extension of the Playground:	75.000 NRS
B) Construction of a new building for Office and Science Laboratory:	208.500 NRS
C) Interior equipment for the new building:	114.100 NRS
D) Toilet ó 2 rooms with 2 pits, 1 urinal and bathroom:	266.450 NRS
E) Repair of Windows, Doors and Walls of the old buildings:	34.000 NRS
F) Wooden ceiling for Old Classrooms and Skylight:	84.100 NRS
Construction Budget Amount	782.150 NRS
With currency rate 11,50 NRS/DKR:	68.000 DKR
With currency rate 70 NRS/US\$:	11.175 US\$

G) Administration, Monitoring and Reporting:

12 % will be charged from the total Project Budget Amount:	94.000 NRS
With currency rate 11,50 NRS/DKR ó 70 NRS/US\$	8.175 DKR / 1.340 US\$
Covering expenses held by Himalayan Project, Nepal (HIPRON) for implementation, supporting, transferring, monitoring and reporting.	
Giving Bonus for Construction Committee Chairman Krishna Shrestha for splendid efforts during all Rotary projects in Thamakhani Valley.	

TOTAL Project Budget Amount	876.150 NRS
With currency rate 11,50 NRS/DKR:	76.175 DKR
With currency rate 70 NRS/US\$:	12.500 US\$

Postscript:

With a support from Padborg-Kruså Rotary Klub on above mentioned details and above mentioned amounts Shree Jwalamai 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 and about Rotary Foundation (TRF) and Rotary Danmarks Hjælpefond which should be able to support a good part of mentioned remaining construction. We are also aware that there canø be given green light before April 2007 or October 2007.

The project will be managed in Thamakhani under the responsibility of

Chairman Construction Committee Krishna Gopal Shrestha
Chairman School Managing Committee Bir Bahadur Magar
Headmaster Bhai Kazi Pulami Magar
Jwalamai Primary School
Thamakhani ward 5, 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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The project will be supervised by:

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Email: talisman@wlink.com.np
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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 ó SWIFT

