

Project No.: 21

Project Description

Date: 1. August 2010



Submitted for:

**Syddthy Rotary Klub, Club No. 25185, District 1440, Denmark and
Padborg-Kruså Rotary Klub, Club No. 10184, District 1460, Denmark and
Rotary Club of Kathmandu, Club No. 16204, District 3290, Nepal**

Project: Reconstruction of Shree Ringmu Lower Secondary School

Location: Ringmu, Takshindu ward 8, SoluKhumbu District, Nepal

by Kurt Lomborg, Skivehus Rotary Klub and Himalayan Project

Ringmu School was built in 1977 as a preprimary school. It happened by great contributions from the locals but also with support from Sir Edmund Hillary. After 5 years of running by private means the school was approved by Government and two teachers had public salary. But Ringmu is situated in a very remote corner of Solu and next primary school is several hours away, so in late eighties the school was upgraded to the primary level, and in late nineties they finally upgraded to lower secondary level. All through this process the villagers did a great job to collect support for teacher's salaries until Government could take over. Besides their own local collections they received support from Sir Edmund Hillary, a Canadian Donor, a Polish Group and from Himalayan Project. Today there are 7 teachers of whom 5 are public paid.

The oldest building from 1977 was constructed as two connected buildings where the one is in two stories. The heavy high building started to sink and are now cracking and dangerous to work with. The other end is still well working. The second building from the late eighties are still fine and both buildings have fine wooden ceiling on walls and roof. But the old tin roof on both buildings are corroding and have started leaking, damaging the fine wooden ceilings.



Few years ago a new building was constructed for the school and for village meeting hall. It has now been furnished as a big and comfortable school office.

There is a small and fine teachers toilet with bathroom behind the office building. But the students toilet is old and are on the way to collapse. It is impossible to keep clean.

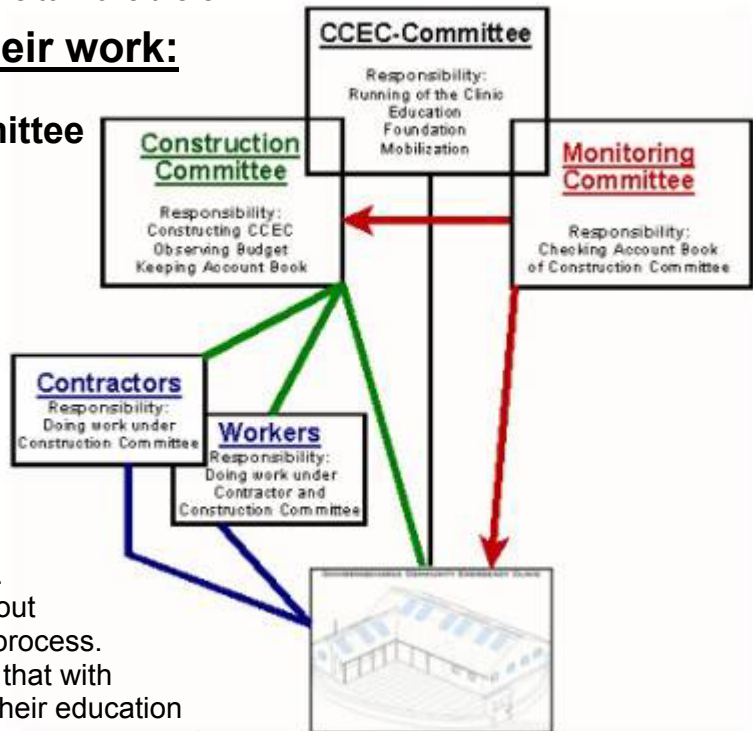
There are 53 students at the school in the seven classes of whom 75% is attending school regularly. But considering the remoteness of the school and the size of the village this school is still very necessary for those students. After seventh class they will have to move to Nuntala, Junbesi or Sallery where the senior schools are situated, but then they have to move there.

Forming Committee's and their work:

Ringmu School Managing Committee

is responsible for the function of the school. For the construction they shall do following:

- 1) SMC shall **elect** the Construction Committee and the Monitoring Committee, among themselves and among the villagers. But no member of those two committees can take seat in both committees.
- 2) SMC shall approach the **DEO** to inform about this project.
- 3) SMC shall **mobilize** the population of Ringmu to secure that they understand the future of the school and their personal involvement to make this school sustainable. But also to involve them and inform them about the work and monitoring of the construction process.
- 4) SMC shall make the teachers understand that with this upgraded school they shall be active in their education as this school is the temple of education of the next generation.



Construction Committee shall consist of 3 members and they shall be responsible for constructing process in a durable and quality way by following this Construction Description.

Construction Committee shall exist until the construction is approved by the Donor and they can hand over the result to SMC. The work of this committee shall be:

- 1) Construction Committee shall read and understand all details of the “**Project Proposal**”. The Budget Details shall be checked and scrutinized very carefully and in case of disagreement or suggestion in any point it shall be commented, and amendments shall be proposed to Himalayan Project. The details shall be discussed with possible future **Contractors**. And finally the committee shall approve the Project Proposal with the signature of all members of the committee.
- 2) When final “**Project Description**” is forwarded from Himalayan Project, it is the final working paper, and the committee shall follow the description carefully and seriously. If the committee later finds changes in the description necessary, it shall seek approval for their suggestion by Himalayan Project.
- 3) The Construction Committee shall keep account in the “**Project Account Book**” which is delivered by Himalayan Project at start-up of the project. The responsible **Accountant** shall follow the appended “**Rules of Accounting**” very strictly. The Account shall be open for checking at any time on the request of Monitoring Committee and any other villager. In case of disapproval, of any detail, by those who are monitoring, the Construction Committee shall hold a meeting to make decision on the issue and do Report on it.
- 4) The Construction Committee shall observe the **Budget** carefully and no budget excess will be approved later on by the Donor, but has to be bared solely by the committee and the village. If unforeseen budget excess seems to come up, the committee can try to approach the Donor for approval.
- 5) The committee shall take quotations by **Contractors** and employ the one who can offer the best work for the best price. Or the committee can employ **Workers** to do specified work on man-day basis if it is in clear advantage for the quality of the project, and the Budget will not be exceeded.
- 6) The committee shall **overview** the Contractors and Workers that they are doing the demanded quality of work within the agreed timeframe and that they are observing the demands on dimensions. The committee shall also see to that materials are used conscientious without careless and purposely waste or concealing.

7) The committee shall check all purchased **materials**, from the jungle, stone quarry and shops, that they are meeting the number, standard and price which are necessary to do a quality and long lasting construction without making unnecessary expenses on transportation.

Monitoring Committee shall consist of **3 members** and they shall be responsible for monitoring and checking the “**Project Account Book**” which shall be managed by Construction Committee on daily basis and with the demanded details and demanded receipts. No member of Monitoring Committee can also be member of Construction Committee or in other ways be tightly related to any member of Construction Committee.

1) In periods with a high level of activities on project site this **monitoring** shall happen on **weekly basis**.

2) Monitoring Committee shall **check** that the purchased materials are delivered on project site in the right numbers and quantities according to the bills. The committee shall also **control** that the performed man-day labour is according to reality.

3) Monitoring Committee shall give date, comment, approval/non-approval and signature on “**Monitoring Record Page**” in the Account Book. In case of non-approval the committee shall **demand** Construction Committee to hold a meeting to take decision and write Record on the issue.

BUDGET details:

It shall be emphasized to Construction Committee and all Contractors, that the Budget details in this proposal are produced by calculations and estimates in Denmark, and if there are disagreements in details it shall be amended, suggested and commented to Himalayan Project before the Budget shall be approved by the **signature** of all Construction Committee Members.

The Construction Committee can give **Contract** to Contractors according to their quotation on the particular work in the **Subprojects** as mentioned below. This Contract can not exceed the described Budget on the Subproject. If the Contract is lower than the Budget the surplus amount can not be transferred to other Subprojects without the consent and approval by Himalayan Project.

No Subproject is allowed **exceeding** the Budget. In case it shows necessary of well-founded and unforeseen reasons it shall be approved by Himalayan Project before the work can continue.

Surplus of Budget on each Subproject belongs to the Donor. The Donor is the only one to decide for which purpose this surplus can be utilized. But if all the construction process is performed in an honest and sufficient way, the Donor shall from Himalayan Project’s side be recommended to utilize the surplus for the purpose of the Clinic, for extra investments or for the “Foundation”.

Abbreviations and explanations for Budget Details:

Linear Measures:

feet = f inch = "
length = L: height = H: width = W: thick = T:
1 foot = 12" = 30,48 cm 1 inch = 2,54 cm
1 meter = 3,28 feet = 39,4"
1 hat = 45,7 cm

Square Measures:

1 foot² = 144 inch² = 929,03 cm² = 0,0929 m² 1 m² = 10,76 ft²

Cubic Measures:

cubic feet = f³ 1 pile = 5 f * 5 f * 5 f = 125 f³ = 3,54 m³
1 m³ = 35,32 feet³ = 55 tin 1 tin = 18 liter

Calculations:

addition = + subtraction = ÷ multiplication = * division = /
percent of utilization = ut: %

Abbreviations:

MD = Man Day Labor including Fooding IT = Inclusive Transportation

Overview on the Project:

A) Taking down the old two story building (A) and replacing it with a new building.

Only the stones of this building can be reused and probably the new building can be built on the old fundament which shall just be strengthened. Some wood from the old building can be used for shuttering for RCC. The RCC shall be completed on all the fundament, also the partition between the two buildings and the partition between the two rooms. The new building (A) shall be connected with its old wing (B) so the result will be one long building. Rafters for floor and battens for wall ceiling shall be build into the wall. The top of all the walls shall be repaired before roof tin is set up. A stone slate peti shall be laid in durable cement fundament at the front sides of the buildings, and between building A and C with stairs down to toilet, and stone slates in front of toilet. The peti shall be build up on a fundament dug 20 cm down and raising 25 cm up almost to door level by rest of stones from the old building, and fixed by a thin layer of thin concrete to fix the stone slates.

B) Shifting all the corroding tin roofs of the two old buildings with a new roof structure

The whole roof structure of the two old buildings (B & C) shall be taken down and a new roof construction shall be set up with new beams and battens in the same design as it is now, with a wide eave where the students can stay in the rain. Two skylight plates shall be set up at each classroom.

C) Furnishing the rooms

In the new house, wall and roof ceiling shall be set up and wooden floor shall be established. In all the other classrooms, the roof ceiling shall be adjusted for the skylight. One of the two new rooms shall be furnished as a combined Science Lab and Library. Cupboard, tables, chairs and racks for the Science Lab. Students and teachers furniture for the other new room.

D) Building a new Sanitary Complex for Students

The Himalayan Project Concept Paper on Sanitary Complex shall be followed to construct a durable and easy to clean complex with Urinal, two toilets and a bathroom. Probably the fundament for the old toilet can remain untouched and create extra support for the new building. The new fundament can be build from stones from the old toilet. The space behind the complex will be limited, but two septic tanks shall be built on row behind the building. Probably the existing tank can be reused. Later Himalayan Project will supply the bathroom with solar water heater.

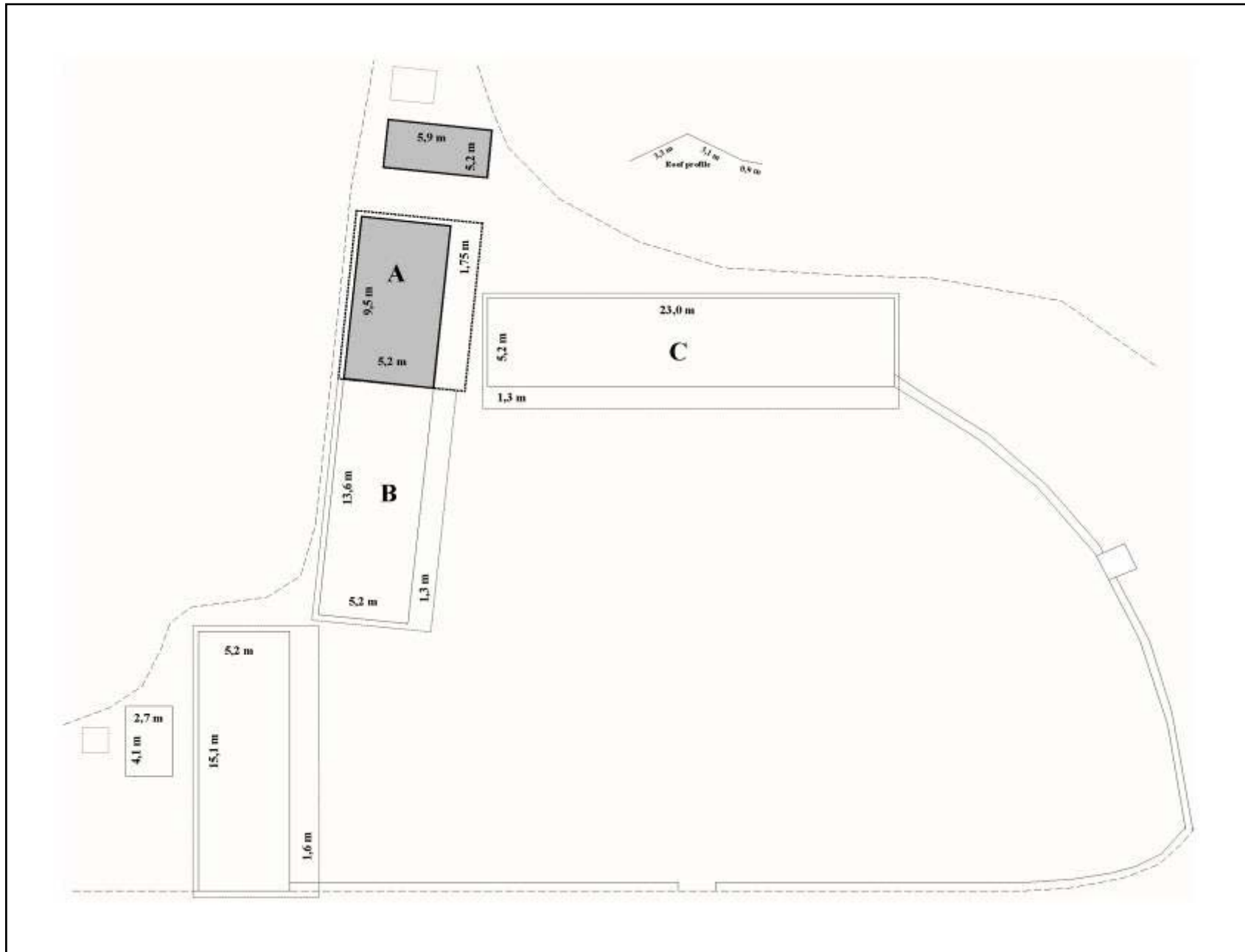
E) Supplying with Library Books, Science Equipment and other Educational Materials.

The school shall produce a list of educational materials which isn't already there and which is needed to run a proper **Science Lab** including physics, chemistry and biology. Also books for a **Library** which can be entertaining and educational useful for the students. And **educational charts** and other **educational materials**. The list shall give a budget price and an estimate on transportation costs, and the list shall be delivered for Himalayan Project before the Project Description can be completed.

F) Administration and Monitoring by Himalayan Project.

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

All construction work shall be done in a proper and complete way. Any improper or insufficient work will be demanded to be redone on the Budget of the School and the Village. It is the duty of the Construction Committee to control the Constructers and demand them to work in a proper way.



BUDGET Details on Subprojects:			Currency Rate:		12,50	NRS/1	DKR
No	Subject	Details	Unit	Price/unit	NRS	DKR	
A) Taking down the old two story building (A) and replacing it with a new building.							
1.	Taking down the Building and stacking the stones		18	MD	375	6.750	540
2.	Repairing the Fundament and prepare for RCC		5	MD	375	1.875	150
3.	RCC: 12 cm thick (4,75 inch): Concrete (1 cement:2 sand:4 gravel):	9,5m*2*0,45m*0,125m + (5,2m+0,9m)*3*0,45m*0,125m=	1,8	m ³			
	Cement IT:	6 bags / m ³ * 1,8 m ³ =	11	bags	2.600	28.600	2.288
	Sand IT:	30 tin / m ³ * 1,8 m ³ =	54	tin	90	4.860	389
	Gravel (aggregate 20 mm) IT:	63 tin / m ³ * 1,8 m ³ =	113	tin	40	4.520	362
	Iron rod 8 mm IT:	9,5m*2 + 5,2m*3 = 50m * 2 * 0,4 kg/m =	40	kg	165	6.600	528
	Labour:	5 MD / 1 m ³ * 1,8 m ³ =	9	MD	375	3.375	270
4.	Carpenter making 2 door frames and 2 window frames:	5 MD / 10 m ² * 8 m ² =	4	MD	375	1.500	120
	Carpenter making 2 doors and 2 windows:	2 MD / m ² * 8m ² =	16	MD	375	6.000	480
	Wood for frames and door & windows:	Lumb sum =				15.000	1.200
	Glass:	IT:				3.000	240
5.	Bricklayer: 2*9,5*0,45*2,5m + 3*4,3*0,45*2,5-4m = 40 m ³ :	32 MD / 10 m ³ * 40 m ³ =	128	MD	375	48.000	3.840
	Rafters for floor and battens for ceiling:	Lumb sum:				15.000	1.200
6.	Repairing the top of all walls:		12	MD	375	4.500	360
7.	Stone Slate Peti, (5,2m + 24m)*2 + 12m*2 + 6m*2 = 100 m * 0,5m:	3 MD * 10 m ² * 50 m ² =	15	MD	375	5.625	450
	Digging ditch 20 cm deep filling up with stones and stone border:		10	MD	375	3.750	300
	Thin concrete (1 cement: 5 sand: 3 gravel) 7 cm thick:	Cement IT: 50 m ² * 0,15m = 3,5 m ³ * 5 bags/m ³ =	18	bags	2.600	46.800	3.744
	Sand IT:	70 tin / m ³ * 3,5 m ³ =	245	tin	90	22.050	1.764
	Gravel (aggregate 20 mm) IT:	45 tin / m ³ * 3,5 m ³ =	157	tin	40	6.280	502
TOTAL for A):						234.085	18.727
B) Shifting all the corroding tin roofs of the two old buildings with a new roof structure							
1.	Taking down the old tin roof and roof beams of building B & C:		15	MD	375	5.625	450
2.	Building up new roof on building A & B & C:	0,5 m overhang at gable	45	MD	375	16.875	1.350
	Wood for Beams and Battens:	Lumb sum:				45.000	3.600
3.	Fixing new tin roof Sheets, 24m * 7,3m * 2 = 350 m ² :	3 MD / 10 m ² * 350 m ² =	105	MD	375	39.375	3.150
	CGI Roof Tin, 26 BWG, heavy, 3f * 6f :	24 m*6 / 0,823m (3f ÷ 10%) ÷ 16 skylight, IT =	158	plates	1.500	237.000	18.960
	CGI Roof Tin, 26 BWG, heavy, 3f * 5f :	24 m*2 / 0,823m (3f ÷ 10%), IT =	58	plates	1.300	75.400	6.032
	CGI Roof Tin, 26 BWG, heavy, 3f * 3f :	24 m*2 / 0,823m (3f ÷ 10%), IT =	58	plates	750	43.500	3.480
	Plastic Transparent Sheet, good heavy quality, 3f * 6f :	IT =	16	plates	1.850	29.600	2.368
	Ridge Cover, 26 BWG, heavy, 1f * 6f :	24m*2 / 1,60m (1,83m ÷ 0,2 m), IT =	30	plates	480	14.400	1.152
	Cap Nails:	IT =	18	kg	180	3.240	259
	B Washer:	IT =	20	packs	40	800	64
TOTAL for B):						510.815	40.865
Total for this page:						744.900	59.592

				Currency Rate:		12,50	NRS/1 DKR
No	Subject	Details	Unit	Price/unit	NRS	DKR	
		Total from previous page:			744.900	59.592	
C) Furnishing the rooms							
1.	Wall ceiling: $2 * (9,5m \div 0,45*3) * 2,5m$ high $\div 7 m^2$ (doors & windows) + $4 * (5,2m \div 0,45m*2) * 2,5 m$ high = $77 m^2$ Roof ceiling: $(9,5m \div 0,45*3) * (5,2m \div 0,45m*2) = 35 m^2$ + shaft for skylight approximately $8 m^2 * 2 = 51 m^2$ Shaft for skylight in building B & C: approximately $8 m^2 * 6 = 48 m^2$						
	Labour:	5 MD / $10 m^2 * 176 m^2 =$	88 MD	375	33.000	2.640	
	Wood:	($176 m^2 = 1.890 f^2$)	176 m ²	375	66.000	5.280	
2.	Wooden floor: 38 mm planks on $35 m^2$:	5 MD / $10 m^2 * 35 m^2 =$	18 MD	375	6.750	540	
			35 m ²	250	8.750	700	
3.	1 Table for Science Lab, 1 big Cupboard, 5 Chairs, 2 Benches:	Labour:	20 MD	375	7.500	600	
		Wood:			5.000	400	
	6 students chair-bench set, 1 teacher table, 1 teachers chair:	Labour:	10 MD	375	3.750	300	
		Wood:			2.000	160	
TOTAL for C):					132.750	10.620	
D) Building a new Sanitary Complex for Students							
	According to HP Concept Paper on Construction of Sanitary Complex per 29. December 2008:				280.900	22.472	
	Adding for raise of prices since old budget calculation:			30%	84.270	6.742	
TOTAL for D):					365.170	29.214	
E) Supplying with Library Books, Science Equipment and other Educational Materials.							
Here the school can write details on their wishes, with subject mentioned and a qualified budget proposal			Unit	Price/unit	NRS		
	Microscopes 4 pieces		4	7.000	28.000		
	Other science materials and chemicals		1	25.000	25.000		
	Library Books::Geography, Agriculture, Science, Culture, Encyclopedia, etc		1	35.000	35.000		
	Educational Materials: English Grammar for teacher, English Books for Students		1	12.000	12.000		
	CD-player with english language training CD's and books		1	7.000	7.000		
	Charts biology, geography, history etc & 2 globes		1	3.000	3.000		
	Blackboard paint		1	2.000	2.000		
	Sports materials: Wolleyball, Football, net, badminton, musical instruments		1	20.000	20.000		
					0		
TOTAL for E):					132.000	10.560	
F) Administration and Monitoring by Himalayan Project.							
	15% of the total project amount to be paid for Himalayan Project Denmark with the first installment:				206.223	16.498	
TOTAL PROJECT BUDGET:					1.581.043	126.483	

The project will be supported by the donation of:

Sydthy Rotary Klub, Hotel Thinggaard, Jernbanegade 5, DK-7760 Hurup, Denmark

by rtn. Arne Baekgaard, Skolegade 5, DK-7755 Bedsted, Denmark

and rtn. Jan Brinck, Krikvej 72, DK-7770 Vestervig, Denmark

Padborg-Kruså Rotary Klub, Hotel Fakkeltaarden, Fjordvejen 44, Kollund, DK-6340 Krusaa

by rtn. Bonnik Hansen, Wanderuper Strasse 21 D, D-24963 Tarp, Deutschland

and Hans Magnus Winther Juhl, Skovbakken 18, Kollund, DK-6340 Krusaa, Denmark

and Ole Skovlund, Fjordvejen 23, Kollund, 6340 Krusaa, Denmark

The project will be monitored and reported by

Runner Service of Himalayan Project, Nepal (HIPRON)

By Namgyal Jangbu Sherpa

P.O.Box: 15142 KPC 953, 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: subedisanepa@gmail.com

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

And funds to be forwarded for:

Shree Ringmu Lower Secondary School

Rastriya Banijya Bank, Branch Office Salleri, Solukhumbu, Nepal

Account holder name:

Account type:

Account no:

Ringmu School is cooperating with:

Don Worsham and Associates

crosstherubi@mac.com

Comments, Suggestions and Ammendments from Construction Committee:

After going through this "Project Description" and the attached "Construction of Sanitary Complex" very carefully and especially after going through the two "Budget"s the Construction Committee is giving following comments (the comments shall refer to the headline and numbers in the Budget):

On 9. November 2009 there were held a meeting in Phaplu with Phugyalzen, Uddab Kumar Khanal, Ang Ngima Sherpa, Namgyal Jangbu Sherpa and Papa Kurt, where above proposal and budget were carried through and decided to be right and sufficient for the construction purpose for at least one year from this date. If budget anyway will be exceeded, the school will find the exceeding funds from other sources.

This "Construction Proposal" has been examined and discussed scropulously in the Construction Committee and with future Contractors, and with the above Comments, Suggestions and Ammendments it is approved by all Construction Committee 3 Members and all Monitoring Committee 3 Members

in Ringmu/Phaplu on Date : 9. November 2009

Phugyalzen Sherpa

Chairman of Construction Committee

Ang Ngima Sherpa

Accountant of Construction Committee

Kanchha Sherpa

Member of Construction Committee

Pasang Sherpa "B"

Chairman of Monitoring Committee

Ang Rinji Sherpa

Member of Monitoring Committee

Pasang Sherpa "A"

Member of Monitoring Committee

Kurt Lomborg
Chairman of Himalayan Project

Uddab Kumar Khanal
Headmaster of Ringmu School