



Project Partreport

Date: 11. November 2007

by Rotarian Kurt Lomborg, Denmark

Submitted for:

Padborg-Kruså Rotary Klub, District 1460, Denmark
Rotary Club of Kathmandu, District 3290, Nepal

Project no. 10: Establishing of Science Laboratorium

Project Description of 16. June 2007

Project no. 9: Reconstruction

Project Description of 13. February 2007

at Shree Chandra Joyti Lower Secondary School

Location: Sagar-Bakanje, Bakanje ward no 5, Solu-Khumbu District, Nepal

The monitoring team, consisting of Namgyal Jangbu Sherpa, Himalayan Project, Nepal and Rotarian Kurt Lomborg, Denmark had a meeting at Sagar-Bakanje School at **2. November 2007** with Headmaster Ang Dawa Sherpa, Chairman of School Managing Committee Chhirring Sherpa, Contractor Pasang Tamang, Contractor Phurwa Gyalzen Sherpa, Chairman of Community Forest Ang Dawa Sherpa and other members of the School Managing Committee.

The agenda of the meeting were:

- 1) Contract on Science Laboratory
- 2) Contract on Compound Wall
- 3) Ceiling for new school building and the two earthquake resistant buildings
- 4) Toilet Account
- 5) Water spilling from 2 water posts
- 6) Some unfinished details at RRN building
- 7) Computers and Sagar-Bakanje Electricity
- 8) Library
- 9) Scholarships for poor students
- 10) School's reports for donors
- 11) The inadequate educational standard of the school

- 1) **Contract on Science Laboratory:** There were held a competitive tendering among craftsmen to find the proper contractor for constructing the Science Laboratorium. Ten took part and Mr Pasang Tamang from Chhimbu



was given the Contract on 11. October 2007 with the amount of **489.000 NRS** by paying a deposit on 10.000 NRS (the budget of Project Description is 636.000 NRS). He is an honest and hardworking man, but not very experienced in a construction of the expected quality. It showed that he had seen the project description, but not read it, as he cannot



read in English, but the basics were explained to him by Headmaster Ang Dawa, but not the details. He had seen all the detailed drawings which were produced by Rural Reconstruction, Nepal (RRN) but he still hadn't been given a copy. At the meeting he was explained about the demands on long lasting quality construction, and most of the demands already were included in his planning. But the issue on cement topping between the well cut stones lead to extra surplus on the contract on **15.000 NRS and cement and sand by bill.** Another issue not mentioned in the project description is the construction of the surroundings of the building. Stairs from Schoolyard down for first floor and again stairs down for base floor, plus stone slates from stairs to entrance of first floor as well as for base floor. For this work there will be added **40.000 NRS.** For stone slates around the base of the building (called *öpetiö*), there will be added **5.000 NRS.** There shall be gutter on both sides of the roof, which will be **paid by bill,** while labor is already included in the contract. Furthermore Mr. Phurwa Gyalzen Sherpa were employed as a supervisor and consultant, who is authorized to give advise to Mr. Pasang Tamang. The latter were happy for this decision. The **salary of Mr Phurwa Gyalzen** were not decided, but will be given according to his efforts. The work on excavating for the fundament were initiated under our instruction when we were there. The building is expected to be completed by June 2008.

- 2) **Contract on Compound Wall:** The land of the school is approximately 5.505 m² and the border of the land was measured to about 407 meter. Around 67 meter is already occupied by buildings, existing walls, gate and stairs down to science lab. But 340 meter has no wall at all. The wall shall be build 2 feet wide, 3½ feet high, with 1½ feet fundament. Approximately 70 meter shall have cement topping. This is the wall from community toilet to school building. From gate up against gompa and down along VDC-building to the new toilet. Including in the wall project shall be making fundament under the mani wall near the gate. Phurwa Gyalzen Sherpa took the contract for the amount of **250.000 NRS** for which amount he will do the whole work including all materials.
- 3) **Ceiling for new school building and the two earthquake resistant buildings:** Mr. Pasang Tamang from Chhimbu took the contract of completing this work on 11. October 2007 for the amount of **139.000 NRS** including 1 teacher chair & 1 teacher table & 1 blackboard in each of the four classrooms (in Project Budget 189.250 NRS for the purpose).
- 4) Furthermore it was decided to do repair on the two earthquake resistant buildings according to below list. To make the budget of the wood for ceiling work come together, the

Community Forest Group decided not to take royalty 5% from the wood supplied for the school, at a value of 15.000-20.000 NRS.

a. Skylight: 16 pieces x 1.500 NRS	24.000 NRS	
b. Ceiling frames for skylight: 4 x 2.500 NRS	10.000 NRS	
c. New windows: 12 pieces x 1.350 NRS	16.200 NRS	
d. New doors: 4 pieces x 1.280 NRS	5.120 NRS	
e. Wall repair and plaster	6.250 NRS	
f. Wall repair: 16 Man Days x 200 NRS	3.200 NRS	
g. TOTAL (round down)	65.000 NRS	
h. From the 3) mentioned budget of Padborg-Krusaa Rotary Klub		50.000 NRS
i. Collected among villagers immediately		7.800 NRS
j. Further collection among villagers		7.200 NRS
k. TOTAL		65.000 NRS

5) **Toilet account:** The toilet was constructed by Mr Phurwa Gyalzen Sherpa of Sagar-Bakanje, and the account and budget is shown in the report for Nykøbing Mors Rotary Klub of 10. November 2007. The remaining amount on the budget 95.000 NRS will be transferred to Mr Phurwa's bank account from Himalayan Project. The remaining water supply will be done including in the budget.

6) **Water spilling from 2 water posts:** The waterpost of the schoolyard were built by Mr. Ang Dawa Sherpa, Sagar-Bakanje, but in the construction there were some details of mis-building. The water outlet is on front of the construction, and just running away from the surface. And some parts of the cement plaster were too thin and has cracked off. And finally the tap was of poor quality and is out of function. Mr. Chhiring Sherpa, Dakchhu will donate a water pipe of heavy dimension for the outlet, and Mr. Ang Dawa Sherpa will do the repair without any further compensation. The new waterpost at Mr. Jangbu Sherpa's house have



only outlet by surface, and because of some problems with tap and other causes, a small stream is now running on the surface down the road to Sagardanda, creating a risk that it can undermine the compound wall of the school. Mr. Furwa Gyalzen Sherpa will solve the problem by letting the water run through a pipe, also collecting the water from the school waterpost down into the forest below the school. This work will be done without further expenses by the school budget.

7) **Some unfinished details at RRN building:** The new school building by RRN is basically very fine and well build. But two details of malfunction were observed. First the poles supporting the roof under the veranda were not anchored at all in the cement veranda floor. It should



have been done by having flat iron poured into the concrete onto which the poles could be bolted. And the gutters were of a very poor local construction, which doesn't work according to their purpose, but instead sending the rainwater

in regular bigger squirts on the soil undermining the veranda. Both construction details were according to the school accepted by RRN's technician Mr. Kemrash Shrestha and Mitra Bashnet. Papa Kurt will approach RRN about this problem. If RRN will not go into this process, the school must find funds from other sources to solve the problems. But it is a MUST that it shall be solved.

8) **Computers and Sagar-Bakanje Hydro Power**

Electricity: It is included in the Project 10, that the Science Lab shall have computers installed. But for the moment the Sagar-Bakanje Electricity isn't working in a stable and proper way, so it was decided that the computers will only be delivered when the Electricity is working stable and sustainable way, also in daytime, as computers without electricity is just a dead and very expensive bunch of precious metals.

The hydro power was build 8 years ago. The generator is a 20 kW, Cromton, India, which cost 180.000 NRS. It was build with supervision by engineers from Young Stars Club, Salleri under the supervision by Mr. Ganesh Kesh Narayan. Basically the problem with the electricity company is: **A)** the price of 1 kWh is only 1 NRS. No electricity can be run for that ridiculous price. It has to be at least 5 NRS per 1 kWh to create sufficient income to run the work, to do repair, to upgrade the work and to do foundation for investments. **B)** There doesn't exist persons in the area who have even basic idea about how the work is functioning, and no outsiders are connected. **C)** Water channel is very weakly built, already breaking at 3 places after only 8 years of functioning, and many places it is seeping through the channel walls. **D)** The inlet dam is weakly build and water is seeping out by the sides. **E)** The metal pipeline is 25 meters long but only 14 meters high, and standing on 5 posts build by stone, of which 3 is without cement enforcement, 1 with cement topping and 1 by cement. And there isn't installed "expansion joints" although 3 are available but no fittings were delivered. **G)** Until 20 days ago there were only a common earthing for generator and transformer, and even it was only a simple wire winding. Now they have separate earthing but still by winding simple wire. **H)** The regulator ABR/EVR (no one know the name) has burnt 4 times and a replacement costs 35.000 NRS. Could be because of lightening and lack of proper earthing, but it could also be because of other malfunctions, like the lack of function by the heater box under point J. **I)** The generator might be ready for being shifted. Some engineers have suggested that. It gives a sound like a helicopter lasting for few seconds every 2-3 minutes when working under high load. **J)** The heaterbox which can absorb overload have never been in function since establishment. **K)** A print plate in Electric





Control Box is shifted 1 month ago. It did burn by unknown reasons. L) Main line poles are from wood and have to be shifted every 2 years which is very difficult, as the weight of the lines is difficult to deal with. They should be shifted into metal poles, which could be done if the company did a proper income for this kind of investments. M) If the company could work in a proper and

efficient way they could sell electricity for Chhimbu and Chhiringkharka. -- As a conclusion on this issue, neither Rotary or Himalayan Project can go into this project, as it hasn't been initiated in a proper way, maybe as claimed because of lack of knowledge and commitment from Young Stars Club at this early stage of their experiences in electricity field, but definitely because of not proper delivered work from the local contractors. It also isn't run in a proper way because of lack of knowledge about electricity, and because of giving this benefit almost for free. Electricity isn't for fun, it is for development, but this hasn't been realized by this company. Young Stars Club has since the establishment of this company grown to a big and influential organization. It should be approached to complete what is claimed that they didn't complete properly at the beginning.

- 9) **Library:** English teacher Mr. Norbu Jangbu Sherpa was appointed as the responsible person to establish the library. He will apply Rotarian Hartsfield, from Illinois, USA to send second hand books from private and public libraries in Illinois for the schools library. The school will by own means do the transportation of these books from Kathmandu to Sagar-Bakanje Library. He will also apply the British organization REED for supplementary books. And finally he will apply for designed books within the budget of Project 10.



- 10) **Scholarships for poor students:** Himalayan Project will continue receiving applications from poor students to be uploaded in the Internet, to be offered for those donors who wish to support them. It was emphasized that only students from very poor and critical background can apply. Families with an income like a school teacher definitely can't apply.
- 11) **School's reports for donors:** It was emphasized that the school and the students shall report to the donor, about their achievement by this new and modern school. It isn't enough that Himalayan Project and HIPRON Runner Service is reporting about the progress. It is a mystical thing that Nepalis doesn't think that they should express their satisfaction and happiness with what they gain. It isn't just natural and by the gods given that foreign donors give progress. It should be expected that a donation shall be followed by thankfulness. Not only once by official way but again and again by those who are benefited.
- 12) **The inadequate educational standard of the school:** Papa Kurt expressed that the school is famous in Upper Solu to be the less active and effective school among all. Several teachers are alcoholic. Several teachers are careless with their work and with their students. Several teachers aren't arriving at school start at 10 o'clock, some are even arriving several hours late. They aren't preparing the next session before school start after vacation, but remain in office for several days leaving the students for themselves. The students from

Sagar-Bakanje can't speak any English, even in the upper classes. Now this school will change in physical appearance and it will be supplied with modern equipment. It will be expected that the school will take action to force their teachers to do their work in a professional and proper way, or to dismiss those who can't meet the standard of a modern education.

ACCOUNT

Date	Particular	Income	Budget	Contract / Bill
1. July 2007	Transferred for reconstruction by P-K RK	191.000		
11. Oct 2007	Reconstruction Budget/Price		189.250	139.000
6. Sept 2007	Transferred for Science Lab by P-K RK	536.984		
11. Oct 2007	Science Lab Building		636.000	489.000
2. Nov 2007	extra for cement topping			15.000
2. Nov 2007	extra for stairs and stone pavement			40.000
2. Nov 2007	extra for peti			5.000
2. Nov 2007	extra for gutter			(8.000)
2. Nov 2007	compound wall		250.000	250.000
2. Nov 2007	Repair of earthquake buildings/village donat	15.000		65.000
2. Nov 2007	Toilet construction from Himalayan Project	95.000	165.000	260.345
	TOTAL	837.984	1.240.250	1.271.345
	Second instalment		433.361 NRS	
	With Currency Rate 12,0 NRS/DKR		36.000 DKR	

Therefore Padborg-Kruså Rotary Club shall be requested to transfer the second instalment of Science Laboratory Budget as soon as it will be convenient to them.

Completed in Phaplu, Upper Solu on 12. November 2007

