



Himalayan Project Nepal

A Nepali NGO dealing with Development Aid in Nepal

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Final Monitoring Report

April, 2014

Sagar-Bakanje School

Bakanje, Solukhumbu, Nepal

By

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Manager of HIPRON

Submitted to:

Nykøbing Mors Rotary Klub, District 1440, Denmark

Himalayan Project Denmark (HP)

Introduction

Project : Sagar-Bakanje School, Office Reconstruction
Location : Bakanje VDC, Solukhumbu, Nepal
Budget : DKR 255.705 (NPR. 3.803.495)
Donor : Nykøbing Mors Rotary Klub (NM-RK)
: District Education Office (DEO) of Solukhumbu



This project was run in the partnership of **Nykøbing Mors Rotary Klub** with the fund of “**Elsa & Jorgen Vestergaards Fond**” and **District Education Office, Solu-khumbu (DEO)** for the purpose of giving education to children in developing countries. The project was developed by Himalayan Project Denmark (HP) which has been working in the project area for the last 16 years.

The project was monitored by Himalayan Project Nepal (HIPRON). HP and HIPRON have been working together for the last 11 years and implemented several projects successfully.

Rotary Club of Kathmandu has been cooperating with us for the last several years in implementing several projects, and they have given their commitment to join this Matching Grant Project as well.

The official name of the Sagar-Bakanje Secondary School is Shree Chandra Jyoti Secondary School. The school is situated high above the valley where the series of Numbur Mountains can be viewed. The school was built by the first ascender of Mt. Everest, Sir Edmund Hillary in 1967. By then it was only a primary school (up to grade 5) run in 2 small buildings with 5 classrooms. At that time it was the only school for the whole region. In late nineties, Nepal Government, under the support of UNDP, established two earth quake resistant buildings (ERB) with two rooms each, but they were actually not good buildings as their original design was very poor and incomplete. For Bakanje School, extra buildings were extremely essential at that time as the school was upgraded for lower secondary grade 7 on the high demand in the area. Those two buildings at least provided space to run the class to some extent. Yet the further development of the school infrastructure was really necessary.

In 2005, HP redeveloped the ERB with high quality of stone floor, wall partition, ceiling and furniture in all rooms. In the same year HP supported for employment of one extra teacher for English medium class. HP is still supporting the salary of the teacher.

In 2007, a new sanitary complex replaced the 40 years old toilet at the school with the support of **Nykøbing Mors Rotary Klub** and **Rotary Denmark Hjelpe fond**. The newly built sanitary complex is consisting of two toilets, one urinal room and one hot shower room fully equipped with solar heater and water supply. In the same year the organization called Rural Reconstruction Nepal (RRN) rebuilt one of the old buildings with classrooms in the mutual understanding between RRN and HP, that HP later would support for the interior and furniture part in the classrooms rebuilt by RRN. In 2008 **Padborg-Kruså Rotary Klub** supported for interior part and furniture in newly rebuilt classrooms as well as in ERB buildings. **Padborg-Kruså Rotary Klub** also supported to build a two storey building to create rooms for science lab, library and computer class. With physical development of the school and our constant lobby, **DEO** gave approval to run the school as Secondary level (up to grade 10) in 2009. As soon as the school received approval, HP supplied sufficient science equipment and library book considering the future necessity along with the upgrade of the school. However, computer room is still empty, we are waiting for stable power supply for computers; current power supply from small hydro power station of Orale is not enough for the computers.

In 2012 we wanted to rebuild the next building of Sir Edmund Hillary, **DEO** also had the similar idea of two reasons; lack of rooms due to upgrade of the school, and old building of the Hillary was too old and not working and actually almost collapsing due to earthquake, but **DEO** alone couldn't do it due to too less fund available for rebuilding it. HP then developed the project in full scale with 2 extra rooms on the ground floor for classroom and 3 rooms on upper floor for administration; headmaster room, teachers' room and store room. This project proposal was submitted to **DEO** and **Nykøbing**

Mors Rotary Klub and both committed themselves to join the project involving **The Rotary Foundation** and **Rotary District 1440**. As a result the Bakanje Office building has now been replaced by this very beautiful building with sufficient space for all the functions it was designed for.

For the construction, DEO had their own design and drawing, but Papa Kurt, member of **Skivehus Rotary Klub** and Manager of HP made a very special design and drawing for the construction, and in fact Bakanje School and DEO were so amazed with his design and drawing and took it instead.

In the whole local area it is stated that this building is the most beautiful one in the whole district and the neighboring district as well.



In March 2012, we approached Kami Chhiring Sherpa, the most skillful and experienced craftsman of the whole area. We together went through the drawing and budget of the construction very carefully to make sure that both parties could be satisfied with the

construction. Having discussed all the points of the construction extensively, we finally entered into an agreement in May 2012. But at that time we didn't realize that due to his highest reputation and undisputable work he would be very busy with other constructions as well. And actually we encountered this problem during the construction phase. He was very busy with other construction in other places and couldn't give enough time on Bakanje School Construction. He was at the construction site only when the major part of the construction was taking place and left rest of the work on his employees. And not all of his workers were highly experienced. Therefore, there had been problem with roof work and stone floor which they had to do twice to meet our standard.

The whole construction took almost 2 years, and in this period there have been several monitoring visits from HIPRON and HP. HIPRON has a Runner Service visiting the area every 3 months and HP visits once a year. Most of the time of monitoring, we found only positive comments about the construction; there was no negative comment at all and which actually is unusual.





This good work continued until roofing work started. Then suddenly the quality of the work decreased, especially with the roof construction and later with floor in the ground floor. It was not because of the quality of materials but because of less skilled laborers.

Whatever the reason was, we had to reject the roof completely. So, they fulfilled the quality of the roof on the second run. The problem with Stone floor in the ground floor was that the stone slates were not fit together and surface was totally uneven due to too less sand in the soling. We asked for the better quality, but contractor was too busy and didn't have time to discuss about it. So, HIPRON by its own effort employed some skilled laborers and completed the job to the standard on the bill of the contractor.

There were some issues which were not foreseen while designing the project, but during HP and HIPRON join monitoring and observation in October 2014 as the construction was nearly completing, we realized that all windows needed a protection cap. Without it monsoon rain could hit the windows and damage them very soon. We also realized that entrance of veranda, which is also lead the way to the first floor, should not be freely open, it is not safe, it should be closed during the off school time. In addition, we realized that kids could climb the compound wall at the corner, jump off and over directly on school compound which is very dangerous for school kids. All those issues were absolutely necessary for the safety of the kids as well as safety and durability of the new building. So, we together with carpenter decided to install window's cap on all windows, as well as to install a strong iron scissor gate (cross gate which can be opened and closed) for the entrance of the veranda, and iron fence on the corner wall. We also agreed and decided that the bills of extra construction work should be covered by the budget allocated for unforeseen topic.

The whole reconstruction of Bakanje School Office has been completed to a high standard. There is no other issue associated to the office reconstruction has left over. Everything is just perfect and ready to be used.

Project Timeframe:

July 2011	Project Proposal completed	
April 2012	Project is approved by Nykøbing Mors Rotary Klub	
May 2012	Letter of Commitment signed by DEO and Contractor	Runner Service by HIPRON
July 2012	NM-RK gives application for TRF and DDF	
August 2012	DEO send their first support to school	Runner Service by HIPRON
September 2012	NM-RK transfer project support to HP Approval from DDF-District 1440	
October 2012	First transfer from HP to Kami Chhiring	Runner Service by HIPRON and HP
December 2012	Second transfer from HP to Kami Chhiring DEO send their second support to school	
January 2013	Namgyal visits the project site	Runner Service by HIPRON
February 2013	DEO send their third support to school	
March - April 2013	Kurt and Namgyal visit the site	Runner Service by HIPRON and HP
May 2013	Third transfer from HP to Kami Chhiring through HIPRON	
July 2013	HP transfer NM-RK support to TRF RC-KTM transfer support to TRF	Runner Service by HIPRON
September 2013	TRF transfer MG to RC-KTM	
October 2013		Runner Service by HIPRON and HP
November 2013	First MG transfer from RC-KTM to Kami Chhiring	Monitoring Report by HIPRON
February 2014		Runner Service by HIPRON
April 2014		Runner Service by HIPRON
June 2014	Final MG transfer from RC-KTM for Kami Chhiring	Final Report from HIPRON

Quality Supervision:

PARTICULAR	DETAILS	HIPRON MONITORING & COMMENTS
Windows & Doors	18 windows	Excellent quality
	Glass, Enamel & Grill	Excellent quality
	3 Doors	Excellent quality
	Windowprotection	Added extra at the end , It isof a high quality
	Ironscissors gate	Added extra at the end , it is ofa high quality
Veranda	Materials	Excellent quality
	Construction	
Floors	Stone Slates	Stone slates are good quality
	Putting downstoneslates	First time it was bad construction & we rejected. Now it is high quality
	Plank	Normal quality – the mud-straw layer gives good noise reduction
	Mud, Straw&Labor	
Roof	Tin plate	First time, It was very bad construction andwe disapprovedbothconstruction and materials used. Second time, the quality of construction is very good
	Wood	
	Construction	
Wall Structure	Stone	This part of the construction is the most excellent quality and magnificent. Construction is exactlyaccording to the drawing provided.
	Cement, Sand, Gravel	
	Iron rod	
	Labor	
Electrification	Materials	Normal quality
	Installation	Normal quality
Compound Wall	Materials	Normal quality
	Construction	Good quality – metal fence was added later
Wooden Panels	Wood	Each wood shrunk a bit creating small gap in between.However, very good quality of carpentry.
	Construction work	
Furniture	5 long big table in teacher room	Good quality of materials and well finishing
	18 armchairs in teacher room	Good quality of materials and well finishing
	2 cupboardinHeadmasterroom	Good quality of materials with normal finishing
	6 box cupboard in teacher room	Good quality of materials with normal finishing
	6 bench in teacherroom	Good quality
	3 racks in Store Room	Normal quality
	20 students desks	Strong qualityof wood with iron frame
	20 students benches	Strong quality of wood with iron frame
	Varnish to all rooms & furniture	Good quality varnish, but polishing could be better
Imported Chairs	1 head Master Chair	Normal quality
	3 guest Chair	Normal quality

Budget & Account (Grey: only NM-RK supported – White:TRF-MG supported)

		average currency rate in the payment period: 15 NRS / 1 DKR						
PARTICULAR	DETAILS	BUDGET			PAYMENT		BALANCE	
		Total	NM-RK	TRF-MG	NM-RK	TRF-MG		DKR
Windows & Doors	18 window	152.190	349.675		349.675	23.312	0	
	Glass, Enamel& Grill	130.625						
	3 Doors	22.860						
	Extras, accessories	44.000						
Veranda	Wood	118.360	141.110		141.110	9.407	0	
	Labor	22.750						
Floors	Stone Slates	30.360	106.260		106.260	7.084	0	
	Labor	25.300						
	Plank	35.000						
	Mud, Straw&Labor	15.600						
Roof	Tin plate	184.375	268.548		268.548	17.903	0	
	Wood	57.635						
	Nail	10.288						
	Labor	16.250						
Building Structure	Stone	210.000	1.335.150		1.335.150	89.010	0	
	Cement, Sand, Gravel	435.000						
	Iron	173.900						
	Electrification	100.000						
	Labor	416.250						
Compound Wall	Stones	117.000		370.500	370.500	24.700	0	
	Labor	253.500						
Ceiling& partition	Wood	304.450		356.450	356.450	23.763	0	
	Labor	52.000						
Furniture	Desk and benches	105.840	487.530	487.530	487.530	32.502	0	
	Chairs	75.780						
	HeadmasterCupboard	21.600						
	Teacher Box	55.050						
	Bench in Office room	16.110						
	Racks in Store Room	50.100						
	Students Desks	72.000						
	Students Benches	55.350						
	Varnish	35.700						
Imported Chairs	Head Master Chair	20.000	42.500	42.500	42.500	2.833	0	
	2 Guest Chair	20.000						
	Transportation	2.500						
Unforeseen	Fiber &Iron stand	55.019	55.019		35.719	3.423	245	
	Ironscissors gate				15.625			
	Iron net stand for	31.425	31.425	31.425	4.320	4.099	-2.004	
	Iron net Fence				17.628			
	Transport KTM-				21.300			
	Cement				3.000			
	Sand & Crashstone				2.640			
	Labor				12.600			
Contractor Salary	ContractorSalary A	165.056	165.056		165.056	11.004	0	
	ContractorSalary B	94.274		94.274	94.274	6.285	0	
TOTAL only NM-RK supported			2.420.818		2.417.143	161.143	245	
TOTAL TRF-MG supported				1.382.679		1.412.742	94.183	-2.004
TOTAL			3.803.497		3.829.885	255.326	-1.759	

Payments:

DATE	Donor	Himalayan Project		TRF		RC-KTM		Contractor
		In-Dkr	Out-Dkr	In-US\$	Out-US\$	In-Nrs	Out-Nrs	In-Nrs
15-08-2012	DEO							300.000
29-09-2012	NM-RK	150.000						
01-10-2012	NM-RK		30.000					427.100
14-12-2012	NM-RK		40.000					609.988
15-12-2012	DEO							200.000
15-02-2013	DEO							100.000
27-05-2013	NM-RK		60.000					940.500
16-07-2013	NM-RK		7.752	1.361				
16-07-2013	RC-KTM			100				
17-09-2013	TRF-MG				16.091	1.579.362		
24-11-2013	RC-KTM						800.000	800.000
06-07-2014	RC-KTM						452.297	452.297
Payments		150.000	137.752	1.461	16.091	1.579.362	1.252.297	3.829.885
Balance		12.248		-14.630		327.065		
Bank Expenses			2.350					
HIPRON Supervision			25.308					
Final Balance		-15.410						

Conclusion

Now the construction has taken its final shape although it took almost 2 years to complete. The over time consumption didn't make any effect to the Project Budget as it was fully contract based construction.

During the whole construction period, HIPRON paid 9 monitoring visit to the site, and HP paid 3. Each time we provided good advices and recommendation to the contractor. In the whole construction period, we detected only a few serious problems of roof construction and stone floor in the ground floor, but we got the problems easily solved through good cooperation of Contractor. In this respect our monitoring has been quite efficient to achieve the quality of the construction.

Some essential issues came up upon the completion of the construction which didn't come in our notice while designing the project and which was missing in the Project Description. They are: installation of windows' cap to protect windows from monsoon rain, scissors gate for the entrance of veranda to stop anyone entering to the veranda during off school time and fence on compound wall. However, we have been able to cover most of the issues with the budget available under unforeseen purpose.

Now the Bakanje School has the most luxurious and well equipped building in the whole area. All together there are 5 big rooms, each to be used for class 9 and 10 and for administration (Teachers room, Headmaster room and store room).

As the whole part of the construction has been completed to the satisfactory level, I on behalf of NM-RK, HP and HIPRON officially handed over this magnificent building to Bakanje School in the presence of around 100 parents, 150 school kids, all teacher staff and School Management Team. The school was actually looking very much forward to this occasion, not only because they had difficulties in operating the office and classes in the lack of classrooms and office rooms but also they all want to enjoy the luxurious facilities.

With this new Construction school will be able to operate classrooms, science lab, library and store room more organized way. Before, all were just mess up due to lack of enough space.

Recommendation

Along with the completion of the magnificent building construction, HIPRON would like to recommend a few following things:

- Bakanje School (both teaching staff and students) should properly utilize as well as take care of the facilities available in the newly constructed building because it is yours valuable property.
- All teachers and all students of class 9 & 10 are primary beneficiaries, because they use the rooms most of all. Whereas, the parents and School Management Committee are secondary beneficiaries as they will use the space of first floor during their Parents and School Management Committee Meeting. In this respect you are also responsible for the maintenance and taking care of it.
- HIPRON strongly recommend all teachers and students not to get any of the furniture of the new building to any other classrooms. We also recommend for timely and proper maintenance of the furniture. Damaging furniture or room by writing, painting or other means by ill manner is strictly prohibited. HIPRON will visit and observe the building and furniture regularly during its Runner Service in future.
- Proper utilization and good maintenance of this building will be considered as sincere gratitude extended to the good will donors.



Kathmandu, on 18 June 2014
Namgyal Jangbu Sherpa
Manager, HIPRON