Project Description

Date: **27. January 2010**

Submitted for:

Videbæk Rotary Klub, Club No. 10152, District 1450, Denmark and

Rotary Club of Kathmandu, District 3290, Nepal

Project: **Completion of Shree Gaurishankar Preprimary School**

Location: **Orale-Sagardanda North, Bakanje ward 3**
SoluKhumbu District, Nepal

by Kurt Lomborg, Skivehus Rotary Klub and Himalayan Project

Orale is situated in the bottom of Upper Bakanje (Honde) Khola Valley at an altitude of 2.300 m above sea level with steep mountain sides on both sides. The river is coming rushing down very violently leaving only a narrow strip of land on the north side, where Orale Preprimary School is situated. The villages around Orale are small and very scattered and the school is actually situated in the middle of nowhere. Upstream above Orale is only one farm in the valley head close to the Hydropower Station of Sagar-Bakanje Electricity. Downstream are only few houses of Sagardanda North until the very village of Sagardanda. On the north side a trail leads steep up to the scattered village of Wadhale and finally to Chhirringkharka 1½ to 2 hours away where a primary school is situated. On the south side of the school a very fine and long iron hang bridge leads over the river and a trail leads steep up to the quite big but scattered village of Thamjengma and further up to south-west to Sagar-Bakanje with a Lower Secondary School or straight up to Dakchhu with a preprimary school. Both 1-2 hours away. Orale School is mainly supporting Thamjengma and the houses around Orale in a distance of less than 1 hour away.

The school was built by the villagers in 2006, half by collection among the villagers and the other half by the VDC. The villagers really wanted to have this school, because the small children weren't able to walk the 1½ hours for the next schools through dense forest with wild animals and snakes. The school still isn't recognized by the authorities, so it is run completely by the parents themselves. They are collecting 50-150 Rs (4-12 DKR) per month from each student for the teacher's salary, but the collection only can provide half day salary, so the classes are only run for 3 hours a day in class 1-3. But the very engaged parents are working intensively to have the approval from District Education Office so a government employed teacher can be working full time at the school. The first year of running 12 students started in class 1 and now in the third year of running 24 students is attending the school. The school committee claim that 9 children doesn't attend school because their parents are too poor to pay the monthly fee as low as 50 Rs, so if government take over the teacher salary, probably the number of students will reach 30-35.

The school house consists of only one building with two quite big classrooms. It is well build but very crude and with a roof of wooden shingles to keep construction expenses low. The playground is scattered with rocks and trees but seems to be very fine for many activities. But at the one rocky side with a sharp edge it has a vertical fall directly down into the river which at this place is very violent and wild. Falling out over the edge cannot be survived, and parents as well as teacher are very afraid of having their children playing at that place.

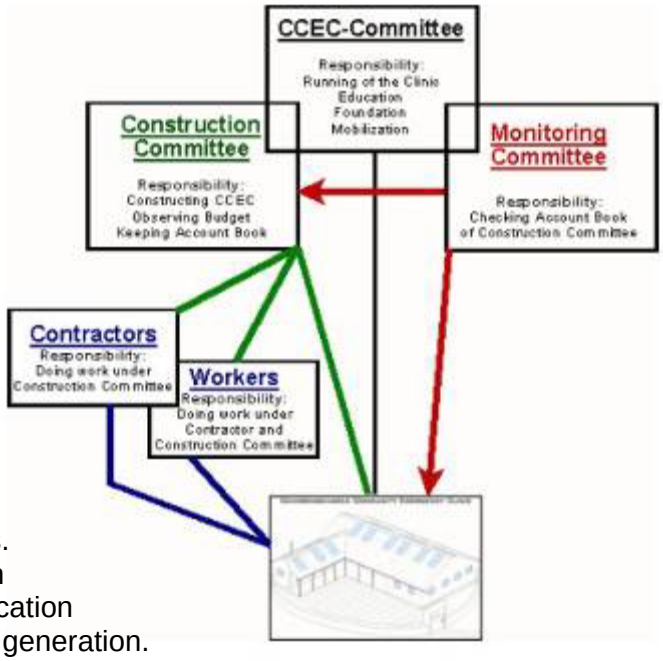
In autumn 2008 Himalayan Project provided educational materials for the school. There was almost nothing of this kind at the school, so the happiness was obvious when we delivered pens, copies, maps, books, balls and many other things.

The main wish of the school is to have support to be able to build a compound wall along the sharp edge down to the river, all the way from the hang bridge, down along the school house and down to the end of the playground. But the school also need a water post as there is no drinking water nearby. The wooden shingle roof will last for only 3-4 years before it will leak, so it should be replaced by tin roof. The class rooms are crude and cold, so they should be furnished with wooden ceiling. And there is almost no furniture for the students and teachers.

Forming Committee's and their work:

Orale 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 Orale 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 teacher understand that with this upgraded school they shall be active in the 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 the 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 **2 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 a Contractor or 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 School.

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 foot^2 = 144 inch^2 = 929,03 cm^2 = 0,0929 m^2 1 m^2 = 10,76 ft^2

Cubic Measures:

cubic feet = f^3 1 pile = 5 f * 5 f * 5 f = 125 f^3 = 3,54 m^3
1 m^3 = 35,32 feet^3 = 55 tin 1 tin = 18 litre

Calculations:

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

Abbreviations:

MD = Man Day Labour including Provisions IT = Inclusive Transportation

Overview on the Project:

A) Building a Compound Wall.

The compound wall shall follow all the southern border of the school land. It shall have a 3 feet (90 cm) deep fundament and it shall be 5 feet (1½ meter) high and 1½-2 feet wide. At the places where a rock is forming the border, the wall can be interrupted. The wall shall be well build because it is the compound wall of a school, and even the students shall not be allowed to climb the wall it shall though be able to resist children's activities. On the top of the wall thick turfs with grass shall be stampeded in between the stones to make the upper lining strong and long lasting and also to look attractive. One third of the stones shall be taken from the quarry just above the playground, and the rest from a quarry further up the valley.

B) Building a Water Post

A traditional water post shall be build near the playground, where it will not be in the way, and where spilling water can run away without making the soil muddy. Therefore a water pipe shall guide the water at least some meters away from the water post before it is left to run in a ditch. The post shall be build up by stones held together by a cement mortar, and finally it shall be covered by a thick layer of cement, so it can be long lasting. A plastic water pipe of good quality shall be dug down in a furrow all the way up to the water source. It shall not at any place be allowed to lie on the surface, as damaged might happen. At the water source a small dam shall collect the water, so the water can run freely all the time without slurping. It is for SMC to decide how far there shall be a high quality water tap or how far the water shall just run freely all the time. Water taps are never long lasting and shall be shifted from time to time.

C) Tin Roof

The wooden roof shall be taken down and replaced with tin roof of a 26 G quality, and colour according to the wish of SMC. Above each of the two class rooms two tin plates shall be replaced by two Skylight Plastic Plates, one on each side of the ridge of the roof. It will even be approved, if SMC want double skylight openings in the roof. The overhang of the roof shall be approximately 2 feet at the sides and 1½ feet at the ends. The current wooden construction isn't sufficient to support a tin roof. Rafters shall be attached to the roof beams with a distance of 3-4 feet and battens shall be attached to the rafters with a distance of 1½-2 feet.

D) Wooden Ceiling

The two rooms shall be covered with wooden ceiling on the walls. As this work isn't prepared for when the house were build, there will be some extra work to attach battens to the walls. There shall also be a wooden roof ceiling. It can be attached to the roof or it can be a loft ceiling with opening for sky light, according to the wish of SMC. As this school is very small, it shall not be allowed to arrange a teachers room. Both rooms shall be class rooms, but the teacher can arrange a corner of the one room for teaching materials and for teachers table and chair.

E) Furniture.

There shall be produced 15 sets of students furniture distributed between the two rooms

according to the need. The benches already build shall just remain for extras. For each room there shall be a teachers table and a teachers chair. As one table is already there, only one table with drawers shall be produced, but two chairs. A big cupboard with lockable doors shall be build in the teachers corner, and some racks shall be set up as well. It shall all be produced in a strong and long lasting way. Simple furniture will be rejected and demanded rebuild at inspection from Himalayan Project.

F) Simple toilet.

The school has no toilet, so teacher and students have to hide away in the forest when they need. But on the other hand the number of students is low, and only a simple, but well built toilet with a simple pit it needed.

G) Educational materials.

The consumables of the educational materials, which we provided in 2008, is almost out of stock, so when we anyway is providing materials from Kathmandu, also a box of educational books, notebooks, copies and pencils should be provided

H) 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 Orale every 3 months during the construction period, 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:	14,00	NRS/1 DKR
No	Subject	Details	Unit		Price/unit	NRS	DKR
A) Building a Compound Wall.							
1.	Cutting stones and transporting for site:	52 pile * average price of 1.100 Rs/pile =	52	pile	1.250	65.000	4.643
2.	Digging ditch for fundament:	120m long*1m deep*0,8m wide = 96 m^3 * 0,8 MD/m^3 =	77	MD	250	19.250	1.375
3.	Building wall:	120m long*2½m high*½m wide = 150 m^3 * 2 MD/m^3 =	300	MD	350	105.000	7.500
4.	Putting grass turfs on top of wall:		10	MD	250	2.500	179
		TOTAL for A):				**191.750**	**13.696**
B) Building a Water Post.							
1.	Constructing water post:	Lump sum including all materials:				16.000	1.143
2.	Constructing water dam at source:	Lump sum including all materials:				4.000	286
3.	Digging down water pipe:	300 meter ditch 20 cm deep:	10	MD	250	2.500	179
	25/32mm HTP, 10 kg pressure water pipe:	300m * 60 Rs/m =	300	meter	65	19.500	1.393
		Transportation: 100 kg * 30 Rs/kg =	100	kg	35	3.500	250
		TOTAL for B):				**45.500**	**3.250**
C) Tin Roof.							
1.	Work on taking down old roof at setting up more rafters and battens:		15	MD	350	5.250	375
	Rafters and Battens:	Lump sum:				4.000	286
2.	Fixing new tin roof Sheets, 10,8m * 3,5m * 2 = 77 m^2:	3 MD / 10 m^2 * 77 m^2 =	25	MD	350	8.750	625
	CGI Roof Tin, 26 BWG, heavy, **3f * 6f**:	10,8 m*4 / 0,823m (3f ÷ 10%) ÷ 4 skylight, IT =	48	plates	1.350	64.800	4.629
	CGI Roof Tin, 26 BWG, heavy, **3f * 6f**:	for toilet, IT =	2	plates	1.350	2.700	193
	Plastic Transparent Sheet, good heavy quality, **3f * 6f**:	IT =	4	plates	1.650	6.600	471
	Ridge Cover, 26 BWG, heavy, **1f * 6f**:	24m*2 / 1,60m (1,83m ÷ 0,2 m), IT =	7	plates	350	2.450	175
	Cap Nails:	IT =	8	kg	150	1.200	86
	B Washer:	IT =	8	packs	30	240	17
		TOTAL for C):				**95.990**	**6.856**
D) Wooden Ceiling.							
1.	Work on setting up battens on wall:		10	MD	350	3.500	250
	Wood for battens:					2.000	143
2.	Carpenter ceiling wages: 4m*2,5m*8 + 4,3m*4m*4 ÷ 10m^2 (doors & windows) + some extra = 150m^2 * 7 MD/10m^2 =		105	MD	350	36.750	2.625
	Wood:		150	m^2	175	26.250	1.875
	Nails:					2.500	179
		TOTAL for D):				**71.000**	**5.071**
					Total for this page:	404.240	28.874

					Currency Rate:	14,00	NRS/1 DKR
No	Subject	Details	Unit		Price/unit	NRS	DKR
		Total from previous page:				404.240	28.874
E) Furniture.							
1.	15 set of students furniture	Including labour and wood:	15	set	1.000	15.000	1.071
2.	2 Chairs and 1 Table with drawer:	Including labour and wood:				4.000	286
3.	1 Cupboard with 2 doors:	Including labour and wood:				3.000	214
4.	Racks:	Including labour and wood:				1.500	107
		TOTAL for E):				**23.500**	**1.679**
F) Simple toilet							
		Lump sum:				40.000	2.857
		TOTAL for F):				**40.000**	**2.857**
G) Educational materials.							
		Lump sum:				20.000	1.429
		TOTAL for G):				**20.000**	**1.429**
H) Administration and Monitoring by Himalayan Project.							
	15% of the total project amount to be paid	for Himalayan Project Denmark with the first installment:				**73.161**	**5.226**
		TOTAL PROJECT BUDGET:				**560.901**	**40.064**
	Project part which can be applied for Dansk Rotarys Hjælpefond:		**A & B & C & D & E & F & G:**				**34.838**

20. February 2010:

On the way to Chhirringkharka, I discussed with chairman of Orale School at Orale. We together read through the project description. They accepted the project budget mentioned in the project description. Thereby, HP message that they can start cutting wood is conveyed. School Management Committee Chairman informed that District Education Office had provided Rs.125.000 supports for repairing of physical facilities that includes roof and furniture. It was agreed that they can start the project when HP gives green light that they can go ahead, and when school building is updated as per the project description of Himalayan Project (HP), HP and School Committee will decide what do next with the surplus money. The school has bank account at Rastriya Banijya Bank, Branch Office Salleri, Solukhumbu, under the name of Gauri Shanker Primary School, Bakanje-2 Orale, Solukhumbu. A/c type# current, A/c no 1550.

HIPRON Runner Service by Namgyal Jangbu Sherpa.

The Bank Account of Orale Preprimary School is:
Gauri Shanker Primary School, Bakanje-2, Orale, Solukhumbu
Current A/C# 1550
Rastriya Banijya Bank
Salleri Branch
Solukhumbu

The project is run in cooperation with:
Rotary Club of Kathmandu, District 3290, Nepal
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Email: **rotary@wlink.com.np**
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Tel.: 00977-1-4245783 / 00977-98510 24103
Email: **subedisanepa@gmail.com**

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

The project is supervised and monitored by:
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P.O.Box: 15142, Kathmandu, Nepal
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and:
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The project is supported by:
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This "Construction Proposal" has been examined and discussed scropulously in the Construction Committee and with future Contractors, and with the above Comments, Suggestions and Amendments it is approved by all Construction Committee 3 Members and all Monitoring Committee 1-2 Members

in Orale on Date : 2065/12/4 (17-08-2009)

(write all names with block letter followed by Signature)

NGIMACHHIRI LAMA
Chairman of Construction Committee

NGIMI SHERPA
Accountant of Construction Committee

DATI SHERPA
Member of Construction Committee

BIRKHE TAMANG
Chairman of Monitoring Committee

ANG GELU LAMA
Member of Monitoring Committee