Emma Academy Project Proposal

Leer town, Leer County, Unity State,
South Sudan

2010

Sudan (UN, 2007)

Our mission is to help individuals, communities, and families overcome the effects of war and poverty.

Our Founder

Our founder Emmanuel Jal's life reflects what we are passionate about and what we are trying to change. Emmanuel was born and spent the early years of his childhood in Bentiu, Southern Sudan before the onset of the civil war. His family scattered after the death of his mother and he found himself being trained and going into battle as a child soldier. Some years later he found safety in the town of Waat after a long trek which claimed the lives of many of his comrades. There he met Emma McCune, a British aid worker who was married to Senior SPLA Officer Riek Machar. Emma 'adopted' Emmanuel, taking personal care of him and enrolling him in school for the first time in Nairobi. Sadly Emma died in a car crash soon after, and with so much sadness in Emmanuel's life, he found healing through the church and through music. He began singing at church, in orphanages and later at concerts, raising funds to support other ex - child soldiers through school.

Emmanuel's music career started to flourish and he released his album 'Gua', which reached number 1 in Kenya and stayed at the top spot for 8 months. Since then, Emmanuel has performed at the Live 8 "Africa Calling" concert in UK in 2006, and sang at Nelson Mandela's 90th birthday celebrations in London in July 2008. Through-out all of this, he has continued to support those sharing his vision of peace in Africa, connecting with the United Nations and serving as a spokesman for global campaigns to stop the employment of child soldiers and the spread of arms.

Emmanuel talking at the United Nations General Assembly in New York (2009)

Statement of Need

Front view of the school

90% of the Southern Sudanese population live on less than $1 a day[1]. The longest civil war in African history has devastated Sudan, killing 2 million and leaving 4 million people homeless. Since the establishment of peace in 2005 children are returning to the region, many now as orphans, hoping to receive an education. Sadly, there are very few schools to accommodate them. Only 20% of children are enrolling into primary school in South Sudan, and only 2% are completing primary school[2].

Leer town is a 1.5 hour flight or a two day bus drive from Juba, the capital of South Sudan. During the rainy season the roads are unusable and the River Nile becomes the only method of transportation. Leer Primary School has close to 2,000 primary level students and 200 secondary level students sharing only five classrooms. As a result the majority of classes are being taught outside under trees.

The main corridor of the school.

Inside of a classroom with roof caved in.

[1] UN Sudan Statistics 2008 (www.unsudanig.org/.../MDGs%20in%20Southern%20Sudan%20-%20Cleared.doc)

[2] 2008 United Nations Development Programme data on gross enrolment ratio.

Project Overview

I. Objective

Phase 1 of the Emma Academy Project will increase the indoor teaching space at the Leer Primary School with five new classrooms.

II. Method

In April 2009 GUA Africa trustees met with the Leer County Commissioner, Director of Education, and locally respected elders in a bid to determine exactly what the people of Leer wanted to be done. The agreed component of the project is the construction of five extra classrooms at the Leer Primary School. The time-scale for project completion is funding dependent.

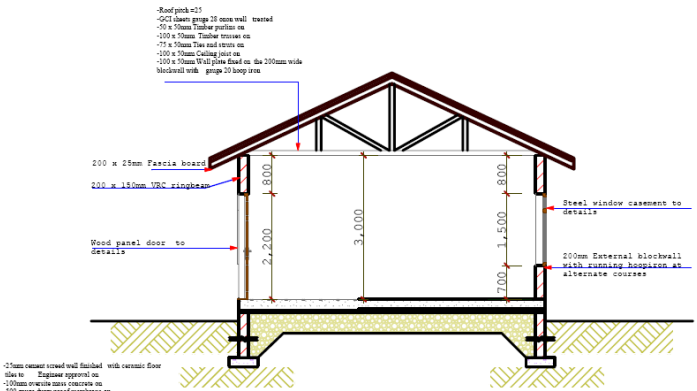
During the field trip to the project site in February 2010, GUA officials had several meetings with an indigenous NGO working in the area, called Assistance Mission for Africa (AMA). AMA is a locally based organisation with expertise in construction projects. AMA officials offered us a partnership that would see AMA construct the classrooms at cost price. The classrooms will be built in one block as it is the most cost-effective method of construction.

III. Evaluation

Throughout the duration of the project GUA Africa officials will make three trips to the Leer site, one to confirm the plans (prior to any renovation/construction), one before the construction of the classrooms, and one at the end of the project. The first two of these trips have now taken place. In addition to this GUA Africa's Sudan Coordinator John Mayiel Gatdet will send detailed weekly reports via email to GUA Africa UK Directors. AMA's Engineer will also be in regular contact with the GUA Africa UK Directors.

IV. Sustainability

Once all construction has been completed the site will remain under control of the local education authorities. GUA Africa will then begin to look towards the next phase of the Emma Academy Project, the building of a secondary school with sports and music facilities and a teacher training and adult vocational centre (see www.gua-africa.org/emma-academy.php for more details).



SECTION THRU'
CLASS RM 02

Budget

NB. For more detailed budget breakdown please see Appendix 2.

Description	SDP	USD
Site preparation work	2,800.00	1,056.60
Earth work	3,483.92	1,314.68
Foundation work	28,887.85	28,887.85
Floor work	16,841.60	16,841.60
Structural work	9,836.10	9,836.10
Block work	14,888.42	14,888.42
Roofing work	17,877.76	17,877.76
Carpentry & Joinery Work	8,861.60	8,861.23
Finishing work (Plastering & painting)	15,610.23	15,610.23
Contingencies (10%)	30,521.34	11,517.48
TOTAL	**335,734.75**	**126,692.35**

Exchange rate used set at average of 2.65 SDP per 1 USD.

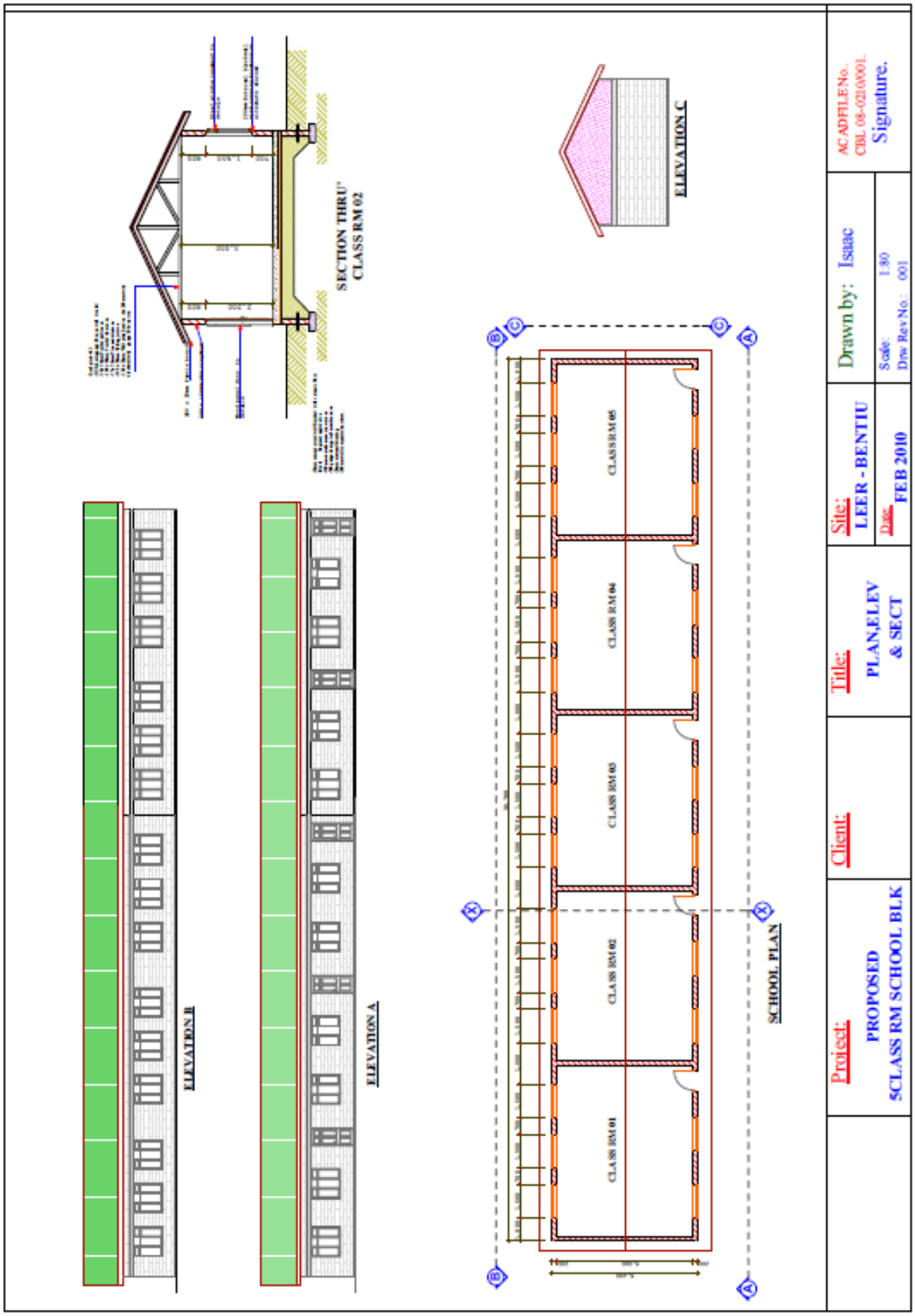
Conclusion

It is clear that the educational facilities within Leer, as across the whole of South Sudan, are far from meeting the demands of its young population. Education is the cornerstone of a country's development, and Sudan's climb out of the stranglehold of war and poverty is dependent upon it. We realise that this is too monumental a task for one NGO to perform. Furthermore, it is our belief that development is a gradual process and one that takes time. By focusing on the local level, impact can slowly be made at national and eventually global levels. This first phase of the Emma Academy project is not designed to increase numbers of school enrolment. It is designed to transform the existing facilities into a safe and more comfortable environment that will promote successful study.

GUA Africa has the local knowledge that is vital to the success of such a project. With our continued relationship with other NGOs working in the area, and the local educational authorities, we believe that we have the expertise needed to oversee the development of Leer Primary School. For peace to be lasting, the young generation must receive education of a standard that gives them the opportunity to explore alternative solutions to violence and revenge. The children of Leer are part of that young generation.

Thank you.

Appendix 1. AMA Classroom Drawings



Appendix 2. Detailed budget breakdown

Item	Description of Work	Qty	Unit price	Amount	Total in SDG	Total in USD
A	**SITE**					
1	**Site Preparation Works**					
1.1	Mobilize all resources including labour, tools and equipment	1	1800.00	1800.00		
1.2	Produce and erect Project Signboard	1	1000.00	1000.00		
	Total Summary A				**2,800.00**	**1,056.60**
B	**5-CLASSROOMS BLOCKS**					
1	**Earth Works**					
1.1	Clear off site to remove top soil to an average depth of 150 mm from natural ground level	228	2.00	456.00		
1.2	Building layout and excavation of trench foundation in ordinary soil to a depth not exceeding 1000 mm from the stripped ground level	56	25.00	1393.20		
1.3	Backfill around foundation wall with approved selected material and compact by applying sufficient water at every 150 mm layer	30	20.00	594.40		
1.4	Cart away surplus excavated material & deposit at a distance as directed by the engineer	26	40.00	1040.32		
	Sub Total				**3,483.92**	**1,314.68**
2	**Foundation Work**					
2.1	Provide, cut and fix in position sawn timber wood form work to strip foundation	31	50.00	1552.80		
2.2	Pour plain concrete in to strip pad from C-20 with cement content 300kg/m3 filled into formwork and vibrated.	20	1500.00	30000.00		

2.3	Supply and lay 400 x 200 x 200mm solid concrete blocks foundation wall with cement/sand mortar (1:3) ratio	150	190.0	28500.00		
2.4	Backfill 250 mm thick under concrete floor slab with approved sand and compact by applying sufficient water at every 150mm layer	110	150.00	16500.00		
	Sub Total				**76,552.80**	**28,887.85**
3	**Floor Works**					
3.1	Provide, cut and fix in position sawn timber wood form work to grade beams	10	50.00	506.00		
3.2	Apply 0.2mm thick black polythene sheet damp proof material under concrete floor slab and grade beam	208	6.00	1248.00		
3.3	Grilled steel bar mesh dia. 3 mm with square 60X60mm to concrete floor slab	193	17.00	3276.24		
3.4	Provide steel reinforcement in grade beams according to structural drawing. Price includes cutting, bending,placing in position and tying. 4-10mm dia. stirruped with 6mm dia. rods at 250mm c/c. a) dia. 10mm b) dia. 6mm	 195 39	 30.00 30.00	 5864.16 1182.24		
3.5	Pour reinforced concrete C-20 with cement content 300kg/m3 into formwork and vibrate around rod Reinforcement in grade beams and wire mesh reinforcement in floor slab. a) in 200X200mm grade beams b) in 100mm thick oversight floor slab	 5 193	 1500.00 130.00	 7500.00 25053.60		
	Sub Total				**44,630.24**	**16,841.60**

4	**Super Structure**					
4.1	Provide, cut and fix in position sawn timber wood form work to:-					
	a) 200X200mm columns	41	45.00	1854.72		
	b) 200X200mm lintels	2	45.00	106.56		
	c) 200X2000mm toptie beams	30	45.00	1366.56		
4.2	Provide steel reinforcement in according to structural drawing. Price includes cutting, bending, placing in position and tying. 4-10/12mm dia. stirruped with 6mm dia. rods at 250/300mm c/c.					
	a) dia. 12mm	212	30.00	6372.24		
	b) dia. 10mm	195	30.00	5864.16		
	c) dia. 6mm	101	30.00	3043.44		
4.3	Pour reinforced concrete C-20 with cement content 300kg/m3 filled into formwork & vibrate around rod reinforcement.					
	a) 200X200mm columns	2	1500.	3090.00		
	b) 200X200mm lintels			0.00		
	c) 200X2000mm toptie beams	3	1500.00	4368.00		
	Sub Total				**26,065.68**	**9,836.10**
5	**Block Work**					
5.1	Lay 400X200X200mm concrete solid block wall bedded in cement mortar 1:3and both sides left for plastering	153	190.00	29147.52		
5.2	Ditto, but 400X150X200mm	69	150.00	10306.80		
	Sub Total				**39,454.32**	**14,888.42**
6	**Roofing Work**					
6.1	Supply & erect gable truss & rafter timber made of the following structures and placed evenly at 2020mm c/c and apply anti-termite chemicals					
	a) 50x100mm Upper Chords	71	23.00	1639.44		
	b) 50x75mm Vertical & Diagonal Chords	89	21.00	1859.76		
	c) 50x150mm Lower chord 2"X 6" timber	58	25.00	1440.00		

6.2	Supply & install 50x100mm timber beams in veranda and apply anti-termite chemicals	26	25.00	650.00		
6.3	Supply & install 50x75mm Purlins to roof truss and apply anti-termite chemicals	364	21.00	7644.00		
6.4	Supply & fix 225 X 25mm timber fascia board & apply and apply anti-termite chemicals and 3 coats of approved oil paint	55	30.00	1656.00		
6.5	Supply & install 28 gauge prepainted expanded ribbed iron sheets & roof ridge cap nailed with dome headed galvanized roof nail with asphalt or rubber washer	350	80.00	28000.00		
6.6	Supply & install PVC gutters 150mm dia. to roof eaves	54	65.00	3504.80		
6.7	Supply & install 100mm dia. PVC downspouts to rain gutters with metal clamps	16	60.00	982.08		
	Sub Total				**47,376.08**	**17,877.76**
7	**Carpentry & Joinery Works**					
7.1	Supply & install 50x50mm timber for ceiling joists at c/c 120mm both ways and apply two coats of anti-termite chemicals	308	20.00	6160.64		
7.2	Supply& fix 5mm thick hard board ceiling cover & provide 20X 10mm timber middle strips	154	50.00	7722.60		
7.3	Supply & fix wooden door overall thickness 40mm complete with jamb, overhead louvers, locks and finished with high gloss paint (size 900x2100mm)		550.00	0.00		
7.4	Supply and fix louvered wooden window complete with latch and finished with high gloss paint (Size 1500x1500mm)	16	600.00	9600.00		
	Sub Total				**23,483.24**	**8,861.60**

8	**Finishing Works**					
8.1	Supply and place (1:3) cement mortar plaster 10mm thick to internal wall surfaces and exposed concrete structures	256	40.00	10231.68		
8.2	Apply cement mortar Tyrolean rendering to external wall surfaces	199	30.00	5972.16		
8.3	Prepare 3800x1050 mm size cement mortar black board with smooth trowel finish & high gloss black paint	3	250.00	800.00		
8.4	Apply 30mm thick cement sand screed mix 1:3 on the concrete slab and finish with a smooth	193	65.00	12526.80		
8.5	Construct 500mm wide around the building with 50mm thick crushed stones or gravel	25	30.00	756.00		
8.6	Apply under coat & two coats of approved plastic emulsion paint to internal & external wall surfaces	398	18.00	7172.35		
8.7	Ditto, but brilliant white paint to ceiling	154	18.00	2780.14		
8.8	Ditto, but two coats of approved gloss paint to wall skirting,100cm high from finished floor level	56	20.00	1128.00		
	Sub Total				**41,367.13**	**15,610.23**
					Total in SDG	**Total in USD**
	Summary A **Summary B**				**2,800.00** **302,413.41**	**1,056.60** **114,118.26**
	Contingencies (10%)				**30,521.34**	**11,517.48**
	GRAND TOTAL				**335,734.75**	**126,692.35**