



To all your building  
and civil engineering  
concerns.

Our Ref:

25<sup>th</sup> July 2017

Volker Goebel,  
Architect/Dipl.-ing  
Email: [info@ing-goebel.de](mailto:info@ing-goebel.de)

Dear Sir,

RE: PROPOSED GROUP HOUSE FOR STARLIGHT ORPHAN SCHOOL,  
KIBOGA

Reference is made to your email dated 18<sup>th</sup> July 2017 inviting us to quote for the above mentioned works.

We the undersigned, offer to provide our construction services for the following scope of works;

ITEM	DESCRIPTION	AMOUNT (Ush)
1	ELEMENT NO. 1 (SUBSTRUCTURE)	16,899,700
2	ELEMENT NO. 2 (SUPERSTRUCTURE)	10,117,150
3	ELEMENT NO. 3 (ROOF)	6,810,500
4	ELEMENT NO. 4 (STEEL WINDOWS)	2,668,000
5	ELEMENT NO. 5 (STEEL DOORS)	2,970,000
6	ELEMENT NO. 6 (INTERNAL FINISHES)	5,826,900
7	ELEMENT NO. 7 (EXTERNAL FINISHES)	5,644,000
8	ELEMENT NO. 8 (FITTINGS)	7,473,100
	<b>SUB-TOTAL 1</b>	<b>58,409,350</b>
	Add VAT 18%	10,513,683
	<b>GRAND TOTAL</b>	<b>68,923,033</b>

The total Contract Sum inclusive of 18% VAT; **Sixty Eight Million Nine Hundred Twenty Three Thousand Thirty Three Uganda Shillings Only (UGX 68,923,033/=).**

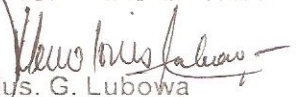
We will require an advance payment of 50% of the Contract Sum (UGX 34,461,517/=) to complete works within six (6) calendar weeks. Subsequent payments are to be made upon our submission of Valuation Claims for work done.

Please find attached priced Bills of Quantities.

For any clarification, kindly contact us.

Yours faithfully,

For and on behalf of  
HOME BUILDERS LIMITED

  
Aloysius G. Lubowa  
CHIEF EXECUTIVE OFFICER



# **PROPOSED GROUP HOUSE**

**FOR**

# **STARLIGHT ORPHAN SCHOOL**

## **Bill Of Quantities**

*25<sup>th</sup> July 2017*



Prepared By

HBL

P.O.Box 2771 Kampala

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E-mail: [homebuilders\\_hbl@yahoo.com](mailto:homebuilders_hbl@yahoo.com)/[homebuilders@hbl.co.ug](mailto:homebuilders@hbl.co.ug)



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
<b><u>PROPOSED GROUP HOUSE</u></b> <b><u>FOR</u></b> <b><u>STARLIGHT ORPHAN SCHOOL, KIBOGA</u></b>					
<b><u>BILL NO. 1 - GROUP HOUSE</u></b>					
<b><u>ELEMENT NO. 1</u></b>					
<b><u>SUBSTRUCTURE</u></b>					
<b><u>EXCAVATION AND EARTHWORK</u></b>					
A	Excavate top vegetative soil to depth n. e. 250mm, load, wheel and deposite material 250m away from site.	SM	154	2,700	415,800
B	Excavate for foundation trench commencing at stripped level but not exceeding 1.5m deep.	CM	65	15,000	975,000
C	Return fill and ram selected excavated material around the foundation in layers n. e. 200mm.	CM	38	15,000	570,000
D	Load and cart away surplus excavated material from site.	CM	27	16,900	456,300
<b><u>HARDCORE FILLING</u></b>					
E	150mm thick bed of hardcore well rolled and compacted approved granite materials.	SM	76	17,000	1,292,000
<b><u>PLINTH WALLING</u></b>					
F	200mm thick solid burnt clay brickwalling; jointed and bedded in (1:3) cement sand mortar reinforced with expanded metal lathe at every alternate course.	SM	93	47,800	4,445,400
G	20mm thick cement and sand (1:4) render; wood float smooth finish to walls.	SM	57	13,400	763,800
H	Apply two coats of black bitumastic paint on rendered walls.	SM	57	15,500	883,500
<b><u>ANTI-TERMITE PROTECTION</u></b>					
I	Treat surfaces of hardcore with "Aldlex" or any other equal and approved antitermite solution.	SM	76	2,500	190,000
<b>TOTAL CARRIED TO COLLECTION</b>					<b>9,991,800</b>



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>DAMP PROOFING</u></b>				
A	230mm Hessian based bituminous felt damp proof course lapped 150mm at joints bedded in cement sand mortar.	LM	42	3,850	161,700
B	G1000 Polythene sheeting damp proof membrane laid on blinding at 150mm laps on all sides.	SM	88	3,200	281,600
	<b><u>PLAIN CONCRETE CLASS 15 MIX 1:3:6 (20MM AGGREGATE)</u></b>				
C	200mm thick concrete strip foundation.	CM	9	350,000	3,150,000
D	100 mm thick horizontal slab.	SM	88	35,000	3,080,000
	<b><u>SAWN FORMWORK TO:</u></b>				
E	Edge of slab 150mm girth not exceeding 250 mm.	LM	46	5,100	234,600
<b>TOTAL CARRIED TO COLLECTION</b>					<b>6,907,900</b>

1/1/2

	COLLECTION	AMOUNT (Ush)
	<b><u>SUMMARY ELEMENT NO. 1</u></b>	
	Total carried forward from page ..... 1/1/1	<b>9,991,800</b>
	Total carried forward from page ..... 1/1/2	<b>6,907,900</b>
<b>TOTAL CARRIED TO BILL SUMMARY</b>		<b>16,899,700</b>

1/1/2



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>ELEMENT NO. 2</u></b>				
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>BRICK WORK</u></b>				
A	200mm thick solid burnt clay brickwalling; jointed and bedded in (1:3) cement sand mortar reinforced with expanded metal lathe at every alternate course.	SM	109	47,800	5,210,200
B	500mm wide x 400mm high;100mm thick burnt clay brick walling jointed and pointed in cement sand mortar mix 1:4.	NO.	7	56,350	394,450
	<b><u>Vibrated Reinforced Concrete Grade 20 mix 1:2:4/19mm aggregate.</u></b>				
C	Ring Beam.	CM	2.0	400,000	800,000
D	Ditto but to form 100mm thick sitting bench.	SM	3.5	40,000	140,000
	<b><u>REINFORCEMENTS</u></b>				
	<b><u>Round mild steel bar reinforcement to BS 4449 including cutting, bending, hoisting and fixing; complete with and including bends, hooks, tying wires, distance blocks and ordinary spacer blocks:</u></b>				
E	8mm diameter bars to beams.	KG	64	5,000	320,000
	<b><u>High yield ribbed steel bar reinforcement to BS 4449 including cutting, bending, hoisting and fixing; complete with and including bends, hooks, tying wires, distance blocks and ordinary spacer blocks:</u></b>				
F	12mm diameter bars to beams.	KG	160	5,000	800,000
G	12mm diameter bars to bench.	KG	38	5,000	190,000
	<b><u>Sawn Formwork to :-</u></b>				
H	Sides and soffits of beams.	SM	23	45,000	1,035,000
I	Soffits of Bench	SM	3.5	45,000	157,500
	<b><u>LINTELS</u></b>				
	<b><u>Lintel in grade 25 concrete, reinforced with 4no. 12mm diameter mild steel rods and 8mm diameter mild steel links at 200mm centres, including hoisting and bedding in position:</u></b>				
J	200 x 200mm.	LM	10	85,000	850,000
<b>TOTAL CARRIED TO COLLECTION</b>					<b>9,897,150</b>



ITEM	DESCRIPTION	UNIT	QTY	RATE (USH)	AMOUNT (USH)
	<b><u>VENTILATORS</u></b>				
	<b><u>150mm thick burnt clay torinno ventilators in cement mortar (1:4) finished fair faced and pointed both sides to:</u></b>				
A	Overall size 400 x 300mm high.	NO.	10	15,000	150,000
B	Overall size 1,000 x 300mm high.	NO.	2	35,000	70,000
<b>TOTAL CARRIED TO COLLECTION</b>					<b>220,000</b>

1/2/2

ITEM	DESCRIPTION	AMOUNT (USH)
	<b><u>COLLECTION</u></b>	
	Total carried forward from page..... 1/2/1	9,897,150
	Total carried forward from page..... 1/2/2	220,000
<b>TOTAL CARRIED TO BILL SUMMARY</b>		<b>10,117,150</b>

1/2/2



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b>ELEMENT NO. 3</b>				
	<b>ROOF STRUCTURE</b>				
	<b>ROOF CONSTRUCTION AND COVERINGS.</b>				
A	100x75mm sawn treated eucalyptus timber wall plate fixed with and including 20 gauge or other approved hoop irons at 1.00 metre centres and bedded in cement mortar (1:4).	LM	16	10,500	168,000
	<b>The following trusses in treated sawn "eucalyptus" or other similar and approved softwood spanning 8,000mm wide and total rise 3,700mm including hoisting approximately 11,200mm above ground floor level:</b>				
B	50 x 100mm Rafters.	LM	70	10,500	735,000
C	50 x 75mm Battens.	LM	90	10,500	945,000
	<b>Roof Covering</b>				
	<b>28 gauge pre-painted super eco profiled galvanized roofing sheets: 75mm side lap and 150mm end lap: fixed with galvanized hook bolts, nuts and washers: on timber purlins (measured separately): to</b>				
D	Sloping not exceeding 45 degrees from the horizontal.	SM	90	38,500	3,465,000
	<b>Fascia and Barge Board</b>				
E	225mm x 25mm Well seasoned and treated wrot fascia / barge board complete with painting in three coats of super gloss oil paint.	LM	38	28,500	1,083,000
	<b>RAIN WATER DISPOSAL</b>				
	<b>UPVC rain water pipes and fittings as 'Marley' or other equal and approved complete with all necessary accessories.</b>				
F	112mm dia UPVC half round gutter fixed with pvc brackets screwed onto fascia board.	LM	9	28,500	256,500
G	Extra over ditto for stopped end.	NO.	2	10,000	20,000
H	Ditto for 112mm dia UPVC gutter outlet.	NO.	2	15,000	30,000
I	75 mm diameter heavy duty UPVC down pipe fixed to walls with pvc brackets.	LM	2	24,000	48,000
J	Extra over ditto swan neck.	NO.	2	15,000	30,000
K	Ditto but horse shoe end.	NO.	2	15,000	30,000
<b>TOTAL CARRIED TO COLLECTION</b>					<b>6,810,500</b>



ITEM	DESCRIPTION	UNIT	QTY	RATE (USH)	AMOUNT (USH)
	<b><u>Rain Water Harvesting Tank Base</u></b>				
A	Construct masonry tank base of 2,300mm diameter x 1,000mm high to receive 5,000l tank measured separately; in 200mm thick brick walling, 100mm thick concrete base including all necessary excavations and disposal of earth.	NO.	1	1,994,000	1,994,000
B	5,000 litre circular PVC Tank as Crestank or equal complete with all accessories including tap and drain below tap.	NO.	1	3,335,000	3,335,000
<b>TOTAL CARRIED TO COLLECTION</b>					<b>5,329,000</b>

1/3/2

ITEM	DESCRIPTION	AMOUNT (USH)
	<b><u>COLLECTION</u></b>	
	Total carried forward from page..... 1/3/1	6,810,500
	Total carried forward from page..... 1/3/2	5,329,000
	<b>TOTAL CARRIED TO BILL SUMMARY</b>	<b>6,810,500</b>

1/3/2





ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>ELEMENT NO. 4</u></b>				
	<b><u>WINDOW</u></b>				
	<b><u>Precast reinforced concrete(mix 1:1.5:3/19mm aggregate) and Light Gauge welded mesh finished fair on all exposed surfaces and bedded in cement sand mortar (1:4) in</u></b>				
A	250 x 75mm Weathered and throated window cill.	LM	7	35,000	245,000
	<b><u>Supply, assemble and fix the following purpose made steel casement windows to Architect's details constructed from standard mild steel sections to BS 990 comprising of window frame of 20x25x3mm Z section, window shutter of 20x25x3mm Z section and 20x20x3mm T section all primed with red oxide paint before delivery to site complete with and including all necessary hinges, stays, handles, plugging and screwing to jambs, head and cill.</u></b>				
B	Overall size 400 x 1,000mm high.	NO.	3	167,800	503,400
C	Overall size 400 x 1,400mm high.	NO.	7	177,800	1,244,600
	<b><u>GLAZING</u></b>				
D	4mm Clear sheet glass and glazing to metal with putty in panes over 0.10 square metres but not exceeding 0.50 square metres.	SM	5	105,000	525,000
E	Prepare and apply a coat of red oxide primer and two coats gloss oil paint to general steel surfaces(measured both sides).	SM	10	15,000	150,000
	<b>TOTAL CARRIED TO BILL SUMMARY</b>				<b>2,668,000</b>

1/4/1



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b>ELEMENT NO. 5</b>				
	<b>STEEL CASEMENT DOOR</b>				
	<u>Supply and fix the following mild steel casement doors to architect's detail constructed from standard mild steel sections to BS 990 comprising of a 50mmx50mmx2mm thick door frame, 1 No. 40x40x2mm SHS shutter rebated with 20x20x3mm t-sections and 1.5mm thick double faced M.S plate all primed with red oxide paint before delivery to site complete with and including all necessary ironmongery, plugging, and screwing to jambs, head and cill:</u>				
A	Overall size 1,000mm x 2,100mm high.	NO.	2	850,000	1,700,000
	<u>Supply and fix the following ironmongery complete with all matching screws and keys.</u>				
B	Steel Casement Locks	NO.	2	350,000	700,000
C	38mm dia plastic door stop.	NO.	2	15,000	30,000
	<b>GLAZING</b>				
D	4mm Clear sheet glass and glazing to metal with putty in panes over 0.10 square metres but not exceeding 0.50 square metres.	SM	4	105,000	420,000
E	Prepare and apply a coat of red oxide primer and two coats gloss oil paint to general steel surfaces(measured both sides).	SM	8	15,000	120,000
	<b>TOTAL CARRIED TO BILL SUMMARY</b>				<b>2,970,000</b>

1/5/1

ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>ELEMENT NO. 6</u></b>				
	<b><u>INTERNAL FINISHES.</u></b>				
	<b><u>WALL FINISHES</u></b>				
	<b><u>Internal lime plaster first coat of cement lime and sand (1:2:9) second coat of cement, lime putty and sand (1:1:6) Steel trowelled smooth</u></b>				
A	15mm thick two coat work to walls.	SM	141	18,500	2,608,500
	<b><u>Painting</u></b>				
	<b><u>Prepare and apply one coat primer and two finishing coats of silk vinyl emulsion paint in accordance with manufacturer's instructions on: -</u></b>				
B	Plastered Internal walls.	SM	23	15,000	345,000
	<b><u>FLOOR FINISHES</u></b>				
C	30mm thick cement and sand (1:3) floor screeds: finished smooth with a steel trowel.	SM	64	25,500	1,632,000
	<b><u>KITCHEN WORK TOP</u></b>				
D	100mm thick plain insitu concrete grade 20 mix 1:2:4/13mm aggregate to base slab including 25mm thick cement sand (1:4) floor screed finished smooth with a steel trowel.	SM	4	62,500	250,000
E	75mm thick suspended reinforced concrete slab 1:2:4/13mm aggregate finished smooth with a steel trowel.	SM	4	62,500	250,000
F	550mmx900mm high;100mm thick burnt clay brick walling jointed and pointed in cement sand mortar mix 1:4 including 20mm thick cement sand (1:4) wood float plaster.	NO.	4	56,350	225,400
G	10mm diameter high tensile steel bar reinforcement including all necessary tying wire.	KG	25	5,000	125,000
H	Welded Mesh Light Gauge	SM	4	25,000	100,000
	<b><u>Sawn Formwork</u></b>				
I	Soffit of suspended slab.	SM	4	45,000	180,000
J	Edge of 75-100mm thick slabs.	LM	6	6,000	36,000
	<b><u>Painting</u></b>				
K	Prepare and apply one coat primer and two finishing coats of silk vinyl emulsion paint in accordance with manufacturer's instructions to plastered wall surfaces.	SM	5	15,000	75,000
<b>TOTAL CARRIED TO BILL SUMMARY</b>					<b>5,826,900</b>



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>ELEMENT NO. 7</u></b>				
	<b><u>EXTERNAL FINISHES.</u></b>				
	<b><u>WALL FINISHES</u></b>				
	<b><u>Cement and sand (1:4) external render:</u></b>				
A	20mm thick two coat finish to walls.	SM	77	18,500	1,424,500
B	Ditto but to dwarf walls to bench.	NO.	7	18,500	129,500
	<b><u>Painting</u></b>				
	<b><u>Prepare and apply one coat primer and two finishing coats of weatherguard emulsion paint in accordance with manufacturer's instructions on: -</u></b>				
C	Plastered walls.	SM	81	15,000	1,215,000
	<b><u>FLOOR FINISHES</u></b>				
D	30mm thick cement and sand (1:3) floor screeds: finished smooth	SM	24	25,500	612,000
E	Ditto but to floor slab edges.	LM	14	6,500	91,000
	<b><u>Splash Apron</u></b>				
F	100mm thick burnt clay brick walling jointed and pointed in cement sand (1:4) mortar including all necessary excavations and disposal of surplus soil.	SM	24	32,500	780,000
G	150mm thick bed of hardcore well rolled and compacted approved granite materials.	SM	16	17,550	280,800
H	100mm thick concrete, mix 1:3:6/13 mm diameter aggregate to top including 50mm thick approved blinding and formwork.	SM	16	41,700	667,200
I	25mm thick cement sand screed (1:4) finished smooth with steel trowel to splash apron.	SM	24	18,500	444,000
<b>TOTAL CARRIED TO BILL SUMMARY</b>					<b>5,644,000</b>

1/7/1



ITEM	DESCRIPTION	UNIT	QTY	RATE (Ush)	AMOUNT (Ush)
	<b><u>ELEMENT NO. 8</u></b>				
	<b><u>FITTINGS</u></b>				
	<b><u>Eco Stove</u></b>				
A	Supply and install an energy efficient charcoal stove.	NO.	1	1,557,000	1,557,000
	<b><u>Six Seater Table</u></b>				
B	Supply and deliver table of overall size 2,400mm x 1,200mm x 760mm high comprising of block board top; hardwood beading and steel framework in 40x40x2mm thick mild steel sections welded together primed and painted.	NO	1	1,105,000	1,105,000
	<b><u>Chairs</u></b>				
C	Supply and deliver chairs comprising of mild steel sections 25mm x 25mm x 25mm x 1.5mm and hardwood timber chair back and seat.	NO	6	160,000	960,000
D	Allow for construction of platform.	NO	2	1,925,550	3,851,100
<b>TOTAL CARRIED TO BILL SUMMARY</b>					<b>7,473,100</b>

1/8/1



ITEM	DESCRIPTION	AMOUNT (Ush)
<b><u>PROPOSED GROUP HOUSE FOR STARLIGHT ORPHAN SCHOOL</u></b>		
<b><u>BILL SUMMARY</u></b>		
		<b><u>PAGE NO.</u></b>
1	ELEMENT NO. 1 (SUBSTRUCTURE)	1/1/2
		16,899,700
2	ELEMENT NO. 2 (SUPERSTRUCTURE)	1/2/2
		10,117,150
3	ELEMENT NO. 3 (ROOF)	1/3/2
		6,810,500
4	ELEMENT NO. 4 (STEEL WINDOWS)	1/4/1
		2,668,000
5	ELEMENT NO. 5 (STEEL DOORS)	1/5/1
		2,970,000
6	ELEMENT NO. 6 (INTERNAL FINISHES)	1/6/1
		5,826,900
7	ELEMENT NO. 7 (EXTERNAL FINISHES)	1/7/1
		5,644,000
8	ELEMENT NO. 8 (FITTINGS)	1/8/1
		7,473,100
<b>SUB-TOTAL 1</b>		<b>58,409,350</b>
Add VAT 18%		10,513,683
<b>GRAND TOTAL</b>		<b>68,923,033</b>