

WEST AFRICA CONSTRUCTION & ENGINEERING ENTERPRISE

GOMPA CITY (GANTA), NIMBA COUNTY
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October 16, 2009

Mr. Dax P. Sua
Country Director,
Sua Foundation

COVERAGE LETTER

Dear Mr. Sua:

In response to your invitation to design and put up the cost of a new school building for the **Gbuyee Primary School** in Gbuyee Town, Bain Clan, Nimba County, we are pleased to present the attached drawings and an estimated cost of USD **45,684.46** (forty five thousands, six hundred eight-four dollars, forty six cents) for the construction of said proposed building.

We are also sending you the cost estimates for the renovation of existing buildings presently in used by the school.

Finally, we wish to thank you once again for your organization concern for our people. We are in readiness to commence any of these projects when you are in readiness to do so.

With regards,

Sincerely yours,

Frederick P. Gbatu
General Manager/Engineer
West Africa Construction & Engineering Enterprise

**DETAILED COST ESTIMATES OF A PROPOSED SCHOOL BUILDING FOR THE
GBUYEE COMMUNITY SCHOOL IN BAIN CLAN, NIMBA COUNTY**

October 14, 2009

	DESCRIPTION	UNIT	QTY	UNIT COST (USD)	EXTENSION (USD)
1.0	PRELIMINARY				
	1.1 Allow cost for clearing project site of all vegetation (including grouting of tree trunks) and disposing all debris thereof:	L/S	1	250.00	250.00
	1.2 Allow cost for building temporary warehouse for storing materials:	L/S	1	465.00	465.00
	1.3 Allow cost for laying out building:	L/S	1	175.00	175.00
	SUBTOTAL				890.00
2.0	FOUNDATION				
	Allow material cost for foundation footings, walls, and for casting floor complete:				
	2.1 Excavate trench 1'-6" wide and 2'-0" minimum depth:	Cu yd	86.30	2.50	215.75
	2.2 6" x 8" x 16" cement block	Pcs	3,750	0.75	2,812.50
	2.3 Portland cement	Bag	428	11.00	4,708.00
	2.4 Sand	Cu yd	42	10.00	420.00
	2.5 Excavate soil and backfill foundation:	Cu yd	64.70	2.50	161.75
	2.6 Crushed rock (gravel)	Cu yd	44	10.00	440.00
	2.7 ½" steel rod (36 ft. long)	Pcs	48	9.00	432.00
	2.8 ¼" steel " "	Pcs	14	4.50	63.00
	2.9 Tie wire (large roll)	Roll	1	15.00	15.00
	2.10 Wawa (1" x 12")	Pcs	46	3.00	138.00
	2.11 Round poles	Pcs	55	0.50	27.50
	2.12 Assorted wire nails (25 kg/Ctn)	Ctn	0.50	35.00	17.50
	SUBTOTAL				9,451.00
3.0	SUPERSTRUCTURE				
	Allow material cost for super structural partition walls, reinforced lintels & beams, and for form works:				
	3.1 6" x 6" x 12" sun-dried brick	Pcs	9,250	0.04	370.00
	3.2 Portland cement	Bag	275	11.00	3,025.00
	3.3 Sand	Cu yd	19.68	10.00	196.80
	3.4 Crushed rock (gravel)	Cu yd	15.42	10.00	154.20
	3.5 ½" steel rod (36 ft. long)	Pcs	135	9.00	1,215.00
	3.6 ¼" steel " "	Pcs	55	4.50	247.50
	3.7 Wawa (1" x 12")	Pcs	75	3.00	225.00
	3.8 Assorted wire nails (25 kg/Ctn)	Ctn	4	35.00	140.00
	3.9 Tie wire (large roll)	Roll	2	15.00	30.00
	3.10 round poles	Pcs	101	0.50	50.50
	SUBTOTAL				5,654.00

4.0	ROOFING				
	Allow material cost for roofing building complete as per plan:				
4.1	2" x 6" x 14'-0" lumber	Pcs	158	2.75	434.50
4.2	2" x 4" x 14'-0" "	Pcs	250	2.25	562.50
4.3	2" x 2" x 14'-0" "	Pcs	225	1.25	281.25
4.4	1" x 9" x 14'-0" plank(dressed & jointed)	Pcs	45	3.75	168.75
4.5	28-gauge galvanized roofing sheet	Bdl	25	140.00	3,500.00
4.6	Zinc combing	Pcs	45	6.50	292.50
4.7	Roofing felt	Roll	4	15.00	60.00
4.8	Assorted wire nails	Ctn	7	35.00	245.00
4.9	Zinc nails	Pks	19	6.00	114.00
4.10	¼" steel rod (ties for wall plates)	Pcs	32	4.50	144.00
	SUBTOTAL				5,802.50
5.0	CEILING				
	Allow material cost for ceiling placed on 4 ft. by 4 ft. wooden grids:				
5.1	2" x 2" x 14'-0" lumber	Pcs	375	1.25	468.75
5.2	Ceiling strips (½" x 2" x 14'-0")	Bdl	25	6.50	162.50
5.3	Ceiling tiles	Pcs	256	6.50	1,664.00
5.4	Assorted wire nails	Ctn	10	35.00	350.00
	SUBTOTAL				2,645.25
6.0	PLASTERING				
	Apply ¾" thick cement mortar plaster to all walls and dress columns, doors frames and windows:				
6.1	Portland cement	Bag	135	11.00	1,485.00
6.2	Sand	Cu yd	15.5	10.00	155.00
	SUBTOTAL				1,640.00
7.0	DOORS				
	Fabricate and install panel doors as per plan:				
7.1	Single door frames (with rabbit)	No.	10	15.00	150.00
7.2	Panel doors	No.	10	45.00	450.00
7.3	Cylinder locks (guaranteed)	Set	10	25.00	250.00
7.4	Hinges (4")	Pair	10	2.00	20.00
7.5	Wire nail (4")	Pks	12	0.50	6.00
7.6	Wood screw (1½")	Pks	2	2.50	5.00
	SUBTOTAL				881.00
8.0	WINDOWS				
	Provide and install NIKO windows in wooden frames (perforated with ½" steel bars placed at 5" center to center and screened with mosquito and wire screens:				
8.1	Triple window frame (7'-0" x 4'-0")	No.	14	25.00	350.00
8.2	Triple " " (7'-6" x 2'-0")	No.	6	18.00	108.00
8.3	Double window frame (5'-0" x 4'-0")	No.	7	18.00	126.00
8.4	½" steel rod (36 ft. long)	Pcs	44	9.00	396.00

	8.5 Mosquito screen	Roll	5	10.00	50.00
	8.6 Wire screen	Roll	5	25.00	125.00
	8.7 assorted wire nails	Ctn	2	35.00	70.00
	8.8 Wood screw (1½")	Pks	5	2.50	12.50
	8.9 Wooden strip (5/8" x 2" x 14'-0")	Bdl	9	6.50	58.50
	8.10 NIKO window (45" long)	Pair	58	20.00	1,160.00
	8.11 NIKO window (24" long)	Pair	20	10.00	200.00
	SUBTOTAL				2,656.00
9.0	PAINTING				
	Provide paints and apply 2 coats of enamel paint to all plaster walls and doors and latex paint to ceilings:				
	9.1 Prime coat (white wash)	Sack	10	15.00	150.00
	9.2 Enamel paint	Gal	88	14.00	1,232.00
	9.3 Latex paint	Gal	40	7.00	280.00
	9.4 White wash brush	Pcs	4	5.00	20.00
	9.5 Painting brush	Pcs	8	7.50	60.00
	9.6 Painting brushes	Pcs	8	2.00	16.00
	9.7 Thinner	Gal	7	14.00	84.00
	9.8 Kerosene	Gal	5	5.00	25.00
	SUBTOTAL				1,867.00
10.0	FINISHING				
	Allow material cost for the following finishing works- ½" cement mortar finishing on flood, construction of flag pole, and the fabrication of black boards:				
	10.1 Portland cement	Bag	65	11.00	715.00
	10.2 Sand	Cu yd	8.5	10.00	85.00
	10.3 Fabricate and install ½" thick plywood black board in classroom:	No.	6	30.00	180.00
	10.4 Allow cost for constructing with cement- block -base foundation:	L/s	1	165.00	165.00
	SUBTOTAL				1,145.00

SUMMARY		
ITEM NO.	ACTIVITIES	TOTAL (USD)
1.0	PRELIMINARY	890.0
2.0	FOUNDATION	9,451.00
3.0	SUPERSTRUCTURE	5,654.00
4.0	ROOFING	5,802.50
5.0	CEILING	2,645.25
6.0	PLASTERING	1,640.00
7.0	DOORS	881.00
8.0	WINDOWS	2,656.00
9.0	PAINTING	1,867.00
10.0	FINISHING	1,145.00
	TOTAL MATERIAL COST	32,631.75
11.0	TRANSPORTATION @ 10 %	3,263.18
12.0	LABOR COST @ 20 %	6,526.35
13.0	OVERHEAD/PROFIT @ 10 %	3,263.18
	TOTAL COST (Proposed School Building)	45,684.46