

S.B
CON

S.B GENERAL
CONTRACTOR

TEL-0910121056

POST 18027

Date 23, March, 2010

Num 0025/2002

For Esperanza yelemat ena erdata mahber
Addis Ababa

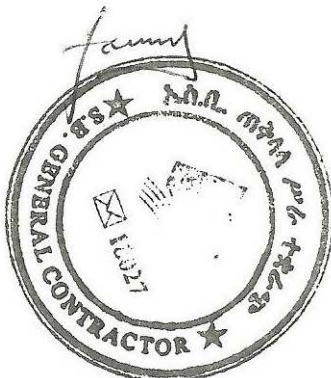
Re: Bid for Becho Wolmera teachers home construction work

S.B general contractor is a local enterprise specialized to construction of this kind of works and our company is confident that it will meet the requirement your order in this tender.

Hoping you decide in favor of our company .

We remains best regard.

Chef of
S.B construction



Bill of Quantities & Specifications

Price Summary

A. Sub Structure

1. Excavation and Earth work
2. Masonry Work
3. Concrete Work

Eth Birr: 67,214.00
Eth Birr: 82,600.00
Eth Birr: 230,336.50

Sub Total A. 380,150.50

B. Supper Structure

4. Concrete Work
5. Hollow Concrete Block Work
6. Roofing
7. Carpentry and Joinery
8. Metal Work
9. Plastering and pointing
10. Paving and flooring
11. Glazing
12. Painting
13. Ditch
14. water tanker

Eth Birr: 109,576.50
Eth Birr: 106,040.00
Eth Birr: 86,200.00
Eth Birr: 160,428.00
Eth Birr: 57,005.00
Eth Birr: 29,325.00
Eth Birr: 14,436.00
Eth Birr: 3690.00
Eth Birr: 4165.00
Eth Birr: 7304.00
Eth Birr: 20,000.00

Sub total B. Eth Birr.: 592,169.50

VAT /15%/Eth.Birr: 145,848.00

Grand total Eth.Birr: 1,118,168.00

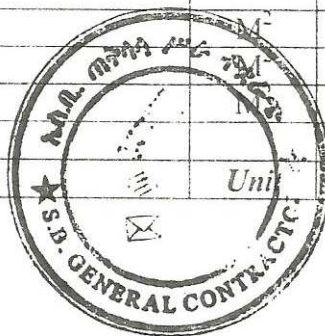


Specification and Bill of Quantities

Item	Description	Unit	Qty	U/Price	Total
A. Sub Structure					
1. Excavation and Earth Work					
1.1	Clear the site to move the topsoil to an average depth of 20cm	M ²	360	15	5400.
1.2	Bulk excavation to reduce levels to a depth of 50cm starting from reduced G.L. (P.Q)	M ³	323	20	6460.
1.3	Excavate for foundation footing to a depth not exceeding 200cm	M ³	325	22	7150
1.4	Excavate for foundation trench to a depth not exceeding 100cm	M ³	164	25	4100
1.5	Back fill with good dry selected material ram in layers not exceeding 20cm thick.	M ³	289	45	13,005.
1.6	Cart away surplus excavated mtrl and deposit at a distance not exceeding 1km out the of site.	M ³	737	22	16,214.
1.7	25cm thick basaltic or equivalent stone hard core well rolled consolidated blinded with crushed stone.	M ²	229	65	14,885.
Total carried to summary					
2. Masonry Work					
2.1	50cm thick basaltic or equivalent stone masonry foundation wall below NGL, bedded and jointed in cement mortar 1:4	M ³	83	600	49800.
2.2	50cm thick hard rachitic semi dressed stone masonry foundation wall with an average height of 50cm above reduced ground level, bedded and jointed in cement mortar 1:2:9 (This item be executed only if the site has slope)	M ³	41	680	27880.
2.3	Construct stone masonry staircase with cement mortar of 1:4	M ³	—	680.	—
2.4	Apply pointing to stone masonry foundation wall above ground level in cement mortar 1:3	M ²	82	60	4920.
Total Carried to summary					<u>82,600.</u>



Item	Description	Unit	Qty	U/Price	Total
3. Conceret Work					
3.1	5cm thick lean concrete C-17 150kg/Cement/m ³ of concrete under footing pad only	M ³	495	90	4050.
3.2	Reinforced concert, class-25, 360kg cement/m ³ of concrete, filled in to for work and vibrated around reinforcement bars. Formwork and reinforcement bears are to be measured separately				
	A. In footing pad	M ³	34.33	1650	56,644.5
	B. In footing column	M ³	5.55	1650	9157.50
	C. In grade beam	M ³	10.05	1650	16,582.50
	D. In 10cm thick R.C. floor slab, concrete quality C-20, 320kg cement/ m ³ of concrete, evenly spread	M ²	229	250	57,250
3.3	Provide, cut and fix in position sawn zigba formwork or equivalent				
	A. To footing pad & foundation column	M ²	223	70	15,610.
	B. To grade beam	M ²	100	70	7000.
3.4	Provide, cut and fix in position steel reinforcement bars according to drawing.				
	Unit price shall include cutting bending, placing in position and tying wires				
	φ 8mm	Kg	622	22	13,684.
	φ 12mm & above	Kg	2289	22	50,358
	Total carried to summary				230,336.50
B. Super Structure					
4. Concrete Work					
4.1	Reinforced concrete class C-25, 360kg cement/m ³ filled into formwork and vibrates around reinforcement and. Reinforcement and form work are measured separately.				
	A. R.C elevation column.	M ³	11.31	1650	18,661.50
	B. In R. top tie beam & lintel	M ³	11.22	1650	18,513.0
	C. In 6 x 25cm R.C Window sill or precast Window sill, type WCIA	ml	16.8	255	4284
4.2	Provide cut & fix in position steel reinforcement bar according to drawing, cut bent and placed in position the unit price shall include cutting. Bending and placing in position				
	φ 8mm	Kg	580	22	12,760.
	φ 12mm & above deformed bars for column, tie beam & lintel	Kg	1450	22	31,900.
4.3	Provide, Cut and fix in position swan Zigba wood formwork or equivalent for:				
	A. R.C Columns	M ²	165.	85	14025.
	B. Sides of the top tie beam & lintel	M ²	111.	85	9435.
	C. Sides of window sill	M ²	-	85-	-
	Total Carried to Summary				109,578.50
Item	Description	Unit	Qty	U/Price	Total



5. Concrete Hollow Block Work					
5.1	20 x 20 x 40 cm Concrete hollow block walling bedded in compo mortar 1:4 Internal walls are left for plastic paint and external walls are left for pointing	M ²	482	220	106,040.
Total Carried to Summary					<u>106,040</u>
6. Roofing					
6.1	G-28 galvanized Corrugated iron sheet roofing fixed to 5 x 7 cm Zigba purling at c/c 90cm and φ 10-12cm eucalyptus trusses. Each teruss shall be firmly fixed with φ 6mm plain bars to concrete tie beam and column, all done according to roof truss deraing. Unit price includes G-28 flat metal roof ridge cover (dev.500mm) and 3 coats of wood preservative paint to all truss members and roof purlins. Horizontal projection of roof area shall be taken for measurement.	M ²	248	175	43,400.
6.2	04mm galvanized sheet for roof flashing on gable sides	MI	535	80	42,800.
Total Carried to Summary					<u>86,200.00</u>
7. Carpentry and Joint					
7.1	All structural members shall be well seasoned, straight and free of any harmful defects. Each truss joint shall be connected with band iron and truss shall be firmly anchored to concrete to tie beam with φ 6mm plain bars.				
	A. Eucalyptus truss, TR E-3250 D	MI	412	199	81,988.
	B. Zigba roof pulin in 70 x 50mm	MI	466	85	39,610.
7.2	Supply and fix 20 x 25cm kararo or equivalent fascia board including three coats of weather resistant paint.	MI	138	45	6210.
7.3	8mm Chip wood ceiling, divided into 60x120cm panels, with 1cm reess between joints, fixed to and including 5 x 4cm sawn Zegba wood battens in both directions, including 2 x 4cm tid or equivalent corner ceiling list.	M ²	80	150	12,000.
7.4	0.8mm thick finely finels CIS soff it, fixed and including 4 x 5cm Zigba wod battens c/c 60cm both ways, including 3 coats of synthetic enamel paint.	M ²	158	130	20,540.
7.5	Suply and fix 200 x 400mm vent opening 2mm wire mesh, wood lipped.	No	2	40	80
Total Carried to summary					<u>160,428</u>

item	Description	Unit	Qty	U/Price	Total
8. Metal Work					
	All metal doors and windows shall be fabricated from locally manufactured frame, 1.2mm LTZ, (as specified on the drawing) with the necessary iron mongry, accessories and 3 coats of synthetic enamel pot. Glazing is measured separately.				
8.1	Steel door, externally cladode with 0.8mm finely CIS or 1.2mm flat iron. Type X-DIA, Size 85 x 217cm	M ²	37	1115	41,255.
8.2	Steel Windows, as indicated on the door and window schedule, Type X-WiC, size 85 x 1480.40cm		25	390	9750.
Total Carried to summary					<u>51,005.00</u>



9. Plastering and Painting					
9.1	Apply three coats of cement mortar plaster 1:3 to all internal walls, External beams & columns,	M ²	391	45	17,595
9.2	Apply pointing in cement mortar 1:3 to all external CHB walls	M ²	391	30	11,730.
Total Carried to summary					<u>29,325.</u>
10. Paving and Flooring					
10.1	20 x20 x 2cm cement tile flooring, bedded and jointed in cement mortar 1:3 unit price shall include cement mortar bedding.	MI	57	158	9006
10.2	Cement tile skirting, sit in and including cement motor 1:3	MI	181	30	5430.
10.3	Roughly dressed stone pavement all around the building & 20cm wide around the external edge of the ditch, bedded in 10cm sand bed or red ash, jointed cement in mortar 1:3, and pavement must have a minimum of 2% slope our ward from the building	M ²			
Total Carried to summary					<u>14,436</u>
11. Glazing					
11.1	4mm thick glazing quality, clear sheet glass panes, glazed to metal, including putty.	M ²	82	45	3690.
Total Carried to summary					<u>3690.</u>
12. Painting					
12.1	Apply three coats plastic paint to all internal plastered wall surfaces external beams & columns	M ²	13	185	2405.
12.2	Ditto as item 12.1 but to chip wood ceiling	M ²	80	22	1760.
Total Carried to summary					<u>4165.0</u>
13. Dith					
13.1	Supply and lay pre-cast half concrete pipe open channedl around the building for external drainage system, out of precast cement pipe. Unit price shall include excavation of trench and supplying and spreading of red ash or selected material of minimum thickness 50mm below the pipe. ½ φ 300mm	MI	83	88	7304.
14.0	supply and fix all the necessary fittings and pipe line installation of water tanker to store and supply potable water for the compound	pcs	2	10,000.	20,000.
Total carried to summary					<u>27304.0</u>



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