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EYOB BEKELE GENERAL CONTRACTOR

ቁጥር _____
Ref. No.
ቀን _____
Date

To:- Esperanza Yelimatena Erdata Mahiber
Addis Ababa

Our company is well experienced in managing joint construction projects so, if we are able to win this bid, we will be determined to build the wolmera teachers residence as per the designed time table and performance

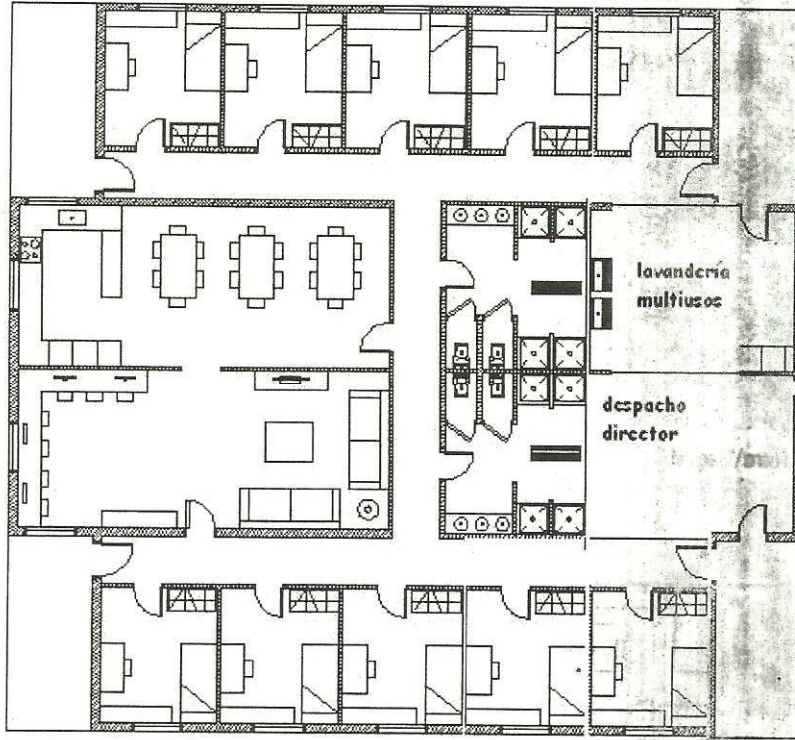
Thanks

Eyob Bekele

09-12 10 56
Addis Ababa Ethiopia

/ 0911-12-10-56

P.O. BOX 23031 / 1000.



Bill of Quantities & Specifications

Price Summary

A. Sub Structure

1. Excavation and Earth work

Eth Birr: 79,980.00

2. Masonry Work

Eth Birr: 106,150.00

3. Concrete Work

Eth Birr: 272,371.00

Sub Total A. 458,501.00

B. Supper Structure

4. Concrete Work

Eth Birr: 115,915.00

5. Hollow Concrete Block Work

Eth Birr: 101,220.00

6. Roofing

Eth Birr: 48,920.00

7. Carpentry and Joinery

Eth Birr: 180,658.00

8. Metal Work

Eth Birr: 50,840.00

9. Plastering and pointing

Eth Birr: 129,140.00

10. Paving and flooring

Eth Birr: 9741.00

11. Glazing

Eth Birr: 16,810.00

12. Painting

Eth Birr: 2046.00

13. Ditch

Eth. Birr: 7470.00

14. water tanker

Eth. Birr: 20,000.00



Sub total B. Eth Birr.: 682,860.00

VAT /15%/Eth. Birr: 171,204.15

Grand total Eth. Birr: 1,312,565.15

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	25	9000.
1.2	Bulk excavation to reduce levels to a depth of 50cm starting from reduced G.L. (P.Q)	M ³	323	24	7752
1.3	Excavate for foundation footing to a depth not exceeding 200cm	M ³	325	26	8450
1.4	Excavate for foundation trench to a depth not exceeding 100cm	M ³	164	27	4428
1.5	Back fill with good dry selected material ram in layers not exceeding 20cm thick.	M ³	289	55	15,895
1.6	Cart away surplus excavated mtrl and deposit at a distance not exceeding 1km out the of site.	M ³	737	25	18,425
1.7	25cm thick basaltic or equivalent stone hard core well rolled consolidated blinded with crushed stone.	M ²	229	70	16,030
	Total carried to summary				79,980
	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	780	64,740
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	880	36,080.
2.3	Construct stone masonry staircase with cement mortar of 1:4	M ³	-	880	-
2.4	Apply pointing to stone masonry foundation wall above ground level in cement mortar 1:3	M ²	82	65	5330
	Total Carried to summary				106,150



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	95	47,025
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	1700	58,361
	B. In footing column	M ³	5.55	1700	9,435
	C. In grade beam	M ³	10.05	1700	17,085
	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	85	18,955
	B. To grade beam	M ²	100.	85	8,500.
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	19	11,818.
	φ 12mm & above	Kg	2289	19	43,491
	Total carried to summary				<u>229,422</u>
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	1700.	19,227
	B. In R. top tie beam & lintel	M ³	11.22	1700.	19,074
	C. In 6 x 25cm R.C Window sill or precast Window sill, type WCIA	ml	16.84	280	4704
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.	23	13340
	φ 12mm & above deformed bars for column, tie beam & lintel	Kg	1450	23	33350
4.3	Provide, Cut and fix in position sawn Zigba wood formwork or equivalent for:				
	A. R.C Columns	M ²	165	95	15,675
	B. Sides of the top tie beam & lintel	M ²	111.	95	10,545
	C. Sides of window sill	M ²	-	95	-
	Total Carried to Summary				<u>115,915.</u>
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 let for plastic paint and external walls are left for pointing	M ²	482	210	101,220.
Total Carried to Summary					<u>101,220</u>
6. Roofing					
61	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	180	44,640
6.2	04mm galvanized sheet for roof flashing on gable sides	MI	53.5	80	4280.
Total Carried to Summary					<u>48,920</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	205	84,460
	B. Zigba roof pulin in 70 x 50mm	MI	466	23	10,718
7.2	Supply and fix 20 x 25cm kararo or equivalent fascia board including three coats of weather resistant paint.	MI	138.	40	5520
7.3	8mm Chip wood ceiling, divided into 60x120cm panels, wit 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	80.0	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	120	18,960.
7.5	Suply and fix 200 x 400mm vent opening 2mm wire mesh, wood lipped.	No	2	40	80
Total Carried to summary					<u>180,658</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 BIZ (as specified on the drawing) with the necessary ironmongery, 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	1120	41,440.
8.2	Steel Windows, as indicated on the door and window schedule. Type X-WIC, size 85 x 1480.40cm	M ²	25	380	9,500.
Total Carried to summary					<u>50,940</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	30	11,730
9.2	Apply pointing in cement mortar 1:3 to all external CHB walls	M ²	391	170.	66,470
	Total Carried to summary				<u>129,140</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.	Ml	57	28	1596
10.2	Cement tile skirting, sit in and including cement motor 1:3	Ml			
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	181	45	8145
	Total Carried to summary				<u>9741</u>
	11. Glazing				
11.1	4mm thick glazing quality, clear sheet glass panes, glazed to metal, including putty.	M ²	82	205	16,810
	Total Carried to summary				<u>16,810</u>
	12. Painting				
12.1	Apply three coats plastic paint to all internal plastered wall surfaces external beams & columns	M ²	13	22	286
12.2	Ditto as item 12.1 but to chip wood ceiling	M ²	80	22	1760
	Total Carried to summary				<u>2046</u>
	13. Dith				
13.1	Supply and lay pre-cast half concrete pipe open channeld 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	Ml	83	90	7470
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>27,470.</u>

