ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **GLAZING WORKS**

WORK ITEM: (8.01) Fixing 4mm clear glass.

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 1.55 m^2/hr

EQUIPEMENT:

RESULT: 567.29 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
4 mm. clear glass	m^2	1.1	365	401.5	Foreman	1	0.167	37.5	6.2625				0
Putty	kg	0.4	30	12	Glazer	1	1	37.5	37.5				0
				0	DL	1	1	18.75	18.75				0
				0									0
				0									0
				0									0
				0									0
	Total (1:01)			413.5	**Total (1:02)**				62.5125	**Total (1:03)**			0

A Materials Unit Cost 413.5 Birr/m^2

B= Manpower Unit Cost 40.33 Birr/m^2

Total of (1:02) 5.23

Hourly Output: _____ 1.55

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 453.83 Birr/m^2

Over head cost : 10% 45.38 "

Profit Cost: 15% 68.07 "

Total Unit Cost : 567.29 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

*: INCLUSIVE OF WASTAGE, TRANSPORTING, HANDLING, ETC.

**: INCLUSIVE OF BENEFITS, TRAVEL SUBSIDES AND COST OF OVERTIME RELATED TO TARGETED OUTPUT.

ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

OJECT: G+1 MULTIPURPOSE **GLAZING WOF**

WORK ITEM: (8.02) Fixing 4 mm. Frosted glass

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 1.55 m^2/hr

EQUIPEMENT:

RESULT: 710.66 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
4mm frosted glass	m^2	1.1	470	517	Foreman	1	0.167	37.5	6.2625				0
Putty	kg	0.4	30	12	Glazer	1	1	37.5	37.5				0
				0	D/L	1	1	17.5	17.5				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			529	**Total (1:02)**				61.2625	**Total (1:03)**			0

A Materials Unit Cost 529 Birr/m^2

B= Manpower Unit Cost 39.52 Birr/m^2

Total of (1:02) 5.23

Hourly Output: _____ 1.55

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 568.52 Birr/m^2

Over head cost : 10% 56.85 "

Profit Cost: 15% 85.28 "

Total Unit Cost : 710.66 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**

WORK ITEM: (6.1) 3 Coats of cement plastering (1:3)

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 0.5 m^2/hr

EQUIPEMENT:

RESULT : 354.83 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.14	385	53.9	Foreman	1	0.167	37.5	6.26				0
sand	m^3	0.036	464	16.704	Plasterer	1	1	37.5	37.5				0
water	m^3	0.0065	10	0.065	Chilser	1	1	31.25	31.25				0
				0	D/L	2	1	18.75	37.5				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			70.67	**Total (1:02)**				112.51	**Total (1:03)**			0

A= Materials Unit 70.669 Birr/m^2

B= Manpower Unit Cost 225.03 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 295.69 Birr/m^2

Over head cost : 10% 29.57 "

Profit Cost: 10% 29.57 "

Total Unit Cost : 354.83 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **F**

WORK ITEM: (6.1d) 2 Coats of cement plastering to soffit celling.

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 0.67 m^2/hr

EQUIPEMENT:

RESULT : 222.29 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.076	385	29.26	Foreman	1	0.167	37.5	6.26				0
sand	m^3	0.0186	464	8.6304	Plasterer	1	1	37.5	37.5				0
water	m^3	0.0007	0.75	0.001	Chilser	1	1	31.25	31.25				0
				0	D/L	1	1	18.75	18.75				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			37.89	**Total (1:02)**				93.76	**Total (1:03)**			0

A Materials Unit Cost 37.89 Birr/m^2

B= Manpower Unit Cost 139.94 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 177.83 Birr/m^2

Over head cost : 10% 17.78 "

Profit Cost: 15% 26.68 "

Total Unit Cost : 222.29 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

T: G+1 MULTIPURPOSE **FINISHING** LABOUR HOURLY OUTPUT: 0.6 m^2/hr

WORK ITEM : 6.01 2 Coats of cement plastering to exposed beams and columns. EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2 RESULT : 276.42 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.097	385	37.345	Foreman	1	0.167	37.5	6.26				0
sand	m^3	0.024	464	11.136	Plasterer	1	1	37.5	37.5				0
water	m^3	0.0045	0.75	0.003	Chilser	1	1	31.25	31.25				0
				0	D/L	1	1	18.75	18.75				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			48.48	**Total (1:02)**				93.76	**Total (1:03)**			0

A Materials Unit Cost 48.48 Birr/m^2

B= Manpower Unit Cost 156.27 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 204.76 Birr/m^2

Over head cost : 10% 20.48 "

Profit Cost: 25% 51.19 "

Total Unit Cost : 276.42 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**

WORK ITEM: (6.06) 1 coat (final coat) gypsum plastering .

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 2.5 m^2/hr

EQUIPEMENT:

RESULT : 53.28 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
gypsum	qt.	0.048	500	24	Foreman	1	0.25	5	1.25	Tools	1	4.44	4.44
sand	m^3	0.012	464	5.568	Plasterer	1	1	25	25				0
water	m^3	0.002	10	0.020	helper	1	1	1.9	1.9				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			29.59	**Total (1:02)**				28.15	**Total (1:03)**			4.44

A Materials Unit Cost 29.59 Birr/m^2

B= Manpower Unit Cost 11.26 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 1.78 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 42.62 Birr/m^2

Over head cost : 10% 4.26 "

Profit Cost: 15% 6.39 "

Total Unit Cost : 53.28 Birr/m^2

Remark 3.Coats of rendering (3+4) 53.28

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**

LABOUR HOURLY OUTPUT: 2.5 m^2/hr

WORK ITEM: (6.01) 1 coat (final coat) cement rendering.

EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2

RESULT : 45.12 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.048	360	17.28	Foreman	1	0.25	5	1.25	Tools	1	4.44	4.44
sand	m^3	0.012	480	5.76	Plasterer	1	1	25	25				0
water	m^3	0.002	10	0.020	helper	1	1	1.9	1.9				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
	Total (1:01)			23.06	**Total (1:02)**				28.15	**Total (1:03)**			4.44

A Materials Unit Cost 23.06 Birr/m^2

B= Manpower Unit Cost 11.26 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 1.78 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 36.10 Birr/m^2

Over head cost : 10% 3.61 "

Profit Cost: 15% 5.41 "

Total Unit Cost : 45.12 Birr/m^2

Remark 3.Coats of rendering (3+4) 321.54

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**

WORK ITEM: (3.01) 3cm. Thick cement screed flooring (1:3).

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 2.38 m^2/hr

EQUIPEMENT:

RESULT : 177.12 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.168	385	64.68	Foreman	1	0.167	37.5	6.26				0
sand	m^3	0.041	464	19.024	Plasterer	2	1	37.5	75				0
water	m^3	0.01	0.75	0.008	D/L	2	1	18.75	37.5				0
cement grout	qt.	0.021	385	8.085					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				91.80	**Total (1:02)**				118.76	**Total (1:03)**			0

A Materials Unit Cost 91.80 Birr/m^2

B= Manpower Unit Cost 49.90 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 141.70 Birr/m^2

Over head cost : 10% 14.17 "

Profit Cost: 15% 21.25 "

Total Unit Cost : 177.12 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 1.43 m^2/hr

WORK ITEM: 5cm. Thick cement screed flooring (1:3). EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2 RESULT : 294.86 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.28	385	107.8	Foreman	1	0.167	37.5	6.26				0
sand	m^3	0.068	464	31.552	Plasterer	2	1	37.5	75				0
water	m^3	0.01	0.75	0.008	D/L	2	1	18.75	37.5				0
cement grout	qt.	0.035	385	13.475					0				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				152.83	**Total (1:02)**				118.76	**Total (1:03)**			0

A Materials Unit Cost 152.83 Birr/m^2

B= Manpower Unit Cost 83.05 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 235.89 Birr/m^2

Over head cost : 10% 23.59 "

Profit Cost: 15% 35.38 "

Total Unit Cost : 294.86 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 1.25 m^2/hr

WORK ITEM: (6.10) 20 x 20cm. terrazzo tile flooring(1:3). EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2 RESULT : 541.24 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.168	385	64.68	Foreman	1	0.25	5	1.25				0
sand	m^3	0.041	464	19.024	mason ii	1	1	3.75	3.75				0
water	m^3	0.008	385	3.080	D/L	1	1	1.25	1.25				0
cement grout	qt.	0.014	385	5.39	helper	1	1	1.9	1.9				0
20 x 20 cm. terrazzo tile	no	25.5	13	331.5					0				0
polish	lit	0.1	28	2.80					0				0
				0					0				0
				0					0				0
Total (1:01)				426.47	**Total (1:02)**				8.15	**Total (1:03)**			0

A Materials Unit Cost 426.47 Birr/m^2

B= Manpower Unit Cost 6.52 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 432.99 Birr/m^2

Over head cost : 10% 43.30 "

Profit Cost: 15% 64.95 "

Total Unit Cost : 541.24 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 0.88 m^2/hr

WORK ITEM: (6.13) 2cm thick Harar marble flooring (1:3). EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2 RESULT : 1599.35 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.097	385	37.345	Foreman	1	1	37.5	37.50	grinder	1	3.75	3.75
sand	m^3	0.024	464	11.136	tiler	1	1	37.5	37.5				0
water	m^3	0.005	0.75	0.004	D/L	1	1	18.75	18.75				0
cement grout	qt.	0.014	385	5.39	helper	2	1	18.75	37.5				0
2 cm. thick harar marble	no	1.02	1050	1071					0				0
polish	lit	0.1	12	1.20					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				1126.07	**Total (1:02)**				131.25	**Total (1:03)**			3.75

A Materials Unit Cost 1126.07 Birr/m^2

B= Manpower Unit Cost 149.15 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 4.26 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 1279.48 Birr/m^2

Over head cost : 10% 127.95 "

Profit Cost: 15% 191.92 "

Total Unit Cost : 1599.35 Birr/m^2

Remark _____

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PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 1 m^2/hr 10

WORK ITEM: (6.09) Ceramic tile flooring (1:3). EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 m^2 RESULT : 632.55 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
cement	qt.	0.101	385	38.885	Foreman	1	0.17	37.5	6.38				0
sand	m^3	0.025	464	11.6	tiler	1	1	37.5	37.5				0
water	m^3	0.005	0.75	0.004	D/L	1	1	18.75	18.75				0
cement grout	qt.	0.014	385	5.39	helper	2	1	18.75	37.5				0
7mm thick ceramic tile	m^2	1.02	342	348.84					0				0
polish	lit	0.1	12	1.20					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				405.92	**Total (1:02)**				100.13	**Total (1:03)**			0

A Materials Unit Cost 405.92 Birr/m^2

B= Manpower Unit Cost 100.13 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0.00 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 506.04 Birr/m^2

Over head cost : 10% 50.60 "

Profit Cost: 15% 75.91 "

Total Unit Cost : 632.55 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**
WORK ITEM: (6.13) 2mm. thick PVC flooring. (Ethiopia)
TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 3.45 m^2/hr
EQUIPEMENT:
RESULT : 620.61 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
PVC tile	m^2	1.02	380	387.6	Foreman	1	0.17	37.5	6.38				0
adhesive glue	gal	0.11	750	82.5	tiler	1	1	37.5	37.5				0
polish	lit	0.1	28	2.80	D/L	2	1	18.75	37.5				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				472.90	**Total (1:02)**				81.38	**Total (1:03)**			0

A Materials Unit Cost 472.90 Birr/m^2

B= Manpower Unit Cost 23.59 Birr/m^2
Total of (1:02)
Hourly Output: _____

C= Equipment Unit C 0.00 Birr/m^2
Total of (1:03)
Hourly output: _____

Direct Cost of Work Item = A+B+C = 496.49 Birr/m^2
Over head cost : 10% 49.65 "
Profit Cost: 15% 74.47 "
Total Unit Cost : 620.61 Birr/m^2

Remark _____

UF: UTILIZATION FACTOR
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**: INCLUSIVE OF BENEFITS, TRAVEL SUBSIDES AND COST OF OVERTIME RELATED TO TARGETED OUTPUT.

ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: : G+1 MULTIPURPOSE **FINISHING WORKS.**

WORK ITEM: (6.10) Parque flooring with all accessories .

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 2.5 m^2/hr

EQUIPEMENT:

RESULT : 1714.44 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
parque	m^2	1.03	1300	1339	Foreman	1	0.17	37.5	6.38				0
				0	carpenter	1	1	37.5	37.5				0
				0	D/L	2	1	18.75	37.5				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				1339.00	**Total (1:02)**				81.38	**Total (1:03)**			0

A Materials Unit Cost 1339.00 Birr/m^2

B= Manpower Unit Cost 32.55 Birr/m^2

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 0.00 Birr/m^2

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 1371.55 Birr/m^2

Over head cost : 10% 137.16 "

Profit Cost: 15% 205.73 "

Total Unit Cost : 1714.44 Birr/m^2

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 2.5 ml/hr

WORK ITEM: (6.11) 15 x 75mm. Marble skirting (1: 3) EQUIPEMENT:

TOTAL QANTITY OF RESULT : 355.01 Birr/ml

WORK ITEM: 1 ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
marble slate	ml	1.05	235	246.75	Foreman	1	0.25	37.5	9.38	grinder	1	10	10
polish	lit	0.003	0.28	0.00	mason ii	1	1	37.5	37.5				0
cement	qt	0.004	385	1.540	helper I	1	1	18.75	18.75				0
sand	m^3	0.001	464	0.464	D/L	1	1	18.75	18.75				0
water	m^3	0.001	0.75	0.001					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				248.76	**Total (1:02)**				84.38	**Total (1:03)**			10

A= Materials Unit Cos 248.76 Birr/ml

B= Manpower Unit Cost 33.75 Birr/ml

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 1.50 Birr/ml

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 284.01 Birr/ml

Over head cost : 10% 28.40 "

Profit Cost: 15% 42.60 "

Total Unit Cost : 355.01 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: : G+1 MULTIPURPOSE **FINISHING WORKS.**
WORK ITEM: (6.12) ceramic tile skirting (1:3).
TOTAL QANTITY OF WORK ITEM: 1 ml

LABOUR HOURLY OUTPUT: 2.5 ml/hr
EQUIPEMENT:
RESULT : 157.64 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
ceramic tile skirting	pc	5	15	75.00	Foreman	1	0.25	37.5	9.38	grinder	1	10	10
cement	qt	0.04	385	15.40	masonii	1	1	37.5	37.5				0
sand	m^3	0.001	464	0.464	helper I	1	1	18.75	18.75				0
water	m^3	0.002	0.75	0.002	D/L	1	1	18.75	18.75				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				90.87	**Total (1:02)**				84.38	**Total (1:03)**			10

A Materials Unit Cost 90.87 Birr/ml

B= Manpower Unit Cost 33.75 Birr/ml
Total of (1:02)
Hourly Output: _____

C= Equipment Unit C 1.50 Birr/ml
Total of (1:03)
Hourly output: _____

Direct Cost of Work Item = A+B+C = 126.12 Birr/ml
Over head cost : 10% 12.61 "
Profit Cost: 15% 18.92 "
Total Unit Cost : 157.64 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 2 ml /hr

WORK ITEM: (6.14) 8cm.high PVC tile skirting.(ETHIOPIA) EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 ml RESULT : 107.95 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
2mm pvc skirting	ml	1.02	35	35.70	Foreman	1	0.83	37.5	31.13				0
adhesive glue	gal	0.009	750	6.75	tiler	1	1	37.5	37.5				0
polishing	lit	0.008	28	0.224	D/L	1	1	18.75	18.75				0
				0					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				42.67	**Total (1:02)**				87.38	**Total (1:03)**			0

A Materials Unit Cost 42.67 Birr/ml

B= Manpower Unit Cost 43.69 Birr/ml

Total of (1:02)

Hourly Output: _____

C= Equipment Unit Cost Birr/ml

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 86.36 Birr/ml

Over head cost : 10% 8.64 "

Profit Cost: 15% 12.95 "

Total Unit Cost : 107.95 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 1.88 ml /hr

WORK ITEM: (6.17) mm. thick white marble window cill (1:3)on H(EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 ml RESULT : 103.33 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
white marble cill f	m^2	0.204	360	73.44	Foreman	1	0.83	5	4.15	grinder	1	3.75	3.75
cement	qt	0.02	60	1.20	masonii	1	1	3.75	3.75				0
sand	m^3	0.005	95	0.48	D/L	2	1	1.25	2.5				0
water	m^3	0.01	0.75	0.008					0				0
cement grout	qt	0.0003	60	0.018					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				75.14	**Total (1:02)**				10.40	**Total (1:03)**			3.75

A Materials Unit Cost 75.14 Birr/ml

B= Manpower Unit Cost 5.53 Birr/ml

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 1.99 Birr/ml

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 82.66 Birr/ml

Over head cost : 10% 8.27 "

Profit Cost: 15% 12.40 "

Total Unit Cost : 103.33 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT G+1 MULTIPURPOSE: **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 1.88 ml /hr

WORK ITEM: (6.17) 30mm. thick HARAR marble window cill (1:3)on HCB . EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 ml RESULT : 417.23 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
harar marble cill f	m^2	0.204	1300	265.20	Foreman	1	0.83	37.5	31.13	grinder	1	10	10
cement	qt	0.02	385	7.70	masonii	1	1	37.5	37.5				0
sand	m^3	0.005	464	2.32	D/L	2	1	18.75	37.5				0
water	m^3	0.01	0.75	0.008					0				0
cement grout	qt	0.0003	385	0.116					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				275.34	**Total (1:02)**				106.13	**Total (1:03)**			10

A Materials Unit Cost 275.34 Birr/ml

B= Manpower Unit Cost 56.45 Birr/ml

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 1.99 Birr/ml

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 333.78 Birr/ml

Over head cost : 10% 33.38 "

Profit Cost: 15% 50.07 "

Total Unit Cost : 417.23 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT:G+1 MULTIPURPOSE **FINISHING WORKS.** LABOUR HOURLY OUTPUT: 0.88 ml /hr

WORK ITEM: (6.16) mm. thick white marble threads.(1 EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 ml RESULT : 585.81 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
30mm white marb	m^2	0.306	1050	321.30	Foreman	1	0.83	37.5	31.13	grinder	1	10	10
cement	qt	0.03	385	11.55	masonii	1	1	37.5	37.5				0
sand	m^3	0.008	464	3.71	D/L	2	1	18.75	37.5				0
water	m^3	0.01	0.75	0.008					0				0
cement grout	qt	0.0003	385	0.116					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				336.69	**Total (1:02)**				106.13	**Total (1:03)**			10

A Materials Unit Cost 336.69 Birr/ml

B= Manpower Unit Cost 120.60 Birr/ml

Total of (1:02)

Hourly Output: _____

C= Equipment Unit C 11.36 Birr/ml

Total of (1:03)

Hourly output: _____

Direct Cost of Work Item = A+B+C = 468.65 Birr/ml

Over head cost : 10% 46.86 "

Profit Cost: 15% 70.30 "

Total Unit Cost : 585.81 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**
LABOUR HOURLY OUTPUT: 1.13 ml /hr

WORK ITEM: (6.15) 20mm. thick white marble riser. (1:3).
EQUIPEMENT:

TOTAL QANTITY OF WORK ITEM: 1 ml
RESULT : 409.06 Birr/ml

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
white marble	m^2	0.204	1050	214.20	Foreman	1	0.83	37.5	31.13	grinder	1	10	10
cement	qt	0.02	385	7.70	masonii	1	1	37.5	37.5				0
sand	m^3	0.0053	464	2.46	D/L	2	1	18.75	37.5				0
water	m^3	0.01	0.75	0.008					0				0
cement grout	qt	0.0003	385	0.116					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				224.48	**Total (1:02)**				106.13	**Total (1:03)**			10

A= Materials Unit 224.48 Birr/ml

B= Manpower Unit Cost 93.92 Birr/ml
Total of (1:02)
Hourly Output: _____

C= Equipment Unit C 8.85 Birr/ml
Total of (1:03)
Hourly output: _____

Direct Cost of Work Item = A+B+C = 327.25 Birr/ml
Over head cost : 10% 32.72 "
Profit Cost: 15% 49.09 "
Total Unit Cost : 409.06 Birr/ml

Remark _____

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT: G+1 MULTIPURPOSE **FINISHING WORKS.**
WORK ITEM: (6.08) 20x20 cm. Ceramic wall tile.(1:3).

TOTAL QANTITY OF WORK ITEM: 1 m^2

LABOUR HOURLY OUTPUT: 0.98 m^2 /hr
EQUIPEMENT:
RESULT : 616.83 Birr/m^2

Material Cost (1:01)					Labour Cost (1:02)					Equipment Cost (1:03)			
Type of Material	Unit	Qty *	Rate	Cost per Unit	Labour by Grade	No.	UF	** Indexed Hourly Cost	Hourly Cost	Type of Equipment	No.	Hourly Rental	Hourly Cost
20 x 20 cm. cerar	pc	25.5	13.8	351.90	Foreman	1	0.25	37.5	9.38	grinder	2	10	20
cement	qt	0.065	385	25.03	tiler	1	1	37.5	37.5				0
sand	m^3	0.01	464	4.64	D/L	2	1	18.75	37.5				0
water	m^3	0.01	0.75	0.008					0				0
cement grout	qt	0.014	385	5.390					0				0
				0					0				0
				0					0				0
				0					0				0
Total (1:01)				386.96	**Total (1:02)**				84.38	**Total (1:03)**			20

A= Materials Unit 386.96 Birr/m^2

B= Manpower Unit Cost 86.10 Birr/m^2
Total of (1:02)
Hourly Output: _____

C= Equipment Unit C 20.41 Birr/m^2
Total of (1:03)
Hourly output: _____

Direct Cost of Work Item = A+B+C = 493.47 Birr/m^2
Over head cost : 10% 49.35 "
Profit Cost: 15% 74.02 "
Total Unit Cost : 616.83 Birr/m^2

Remark _____

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