

ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT : G+1 DUPLEX REINFORCEMENT BARS

LABOUR HOURLY OUTPUT: 9 kg/hr.

WORK ITEM: dia. 8 mm. plain bars

EQUIPMENT:

TOTAL QUANTITY OF

RESULT: 73.21 Birr/kg.

WORK ITEM: 1 kg.

Material Cost (1:01)					Labour (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
φ 8 mm plain bars	kg	1.05	43	45.15	Foreman	1	0.17	37.5	6.26			
1.5 mm black annealed wire	"	0.05	60	3.00	Bar bende	1	1	31.25	31.25			
				0	D/L	3	1	18.75	56.25			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
Total (1:-01)				48.15	Total (1:02)				93.76	Total (1:03)		

A= Materials Unit Cost 48.15 birr/kg

B= Manpower Unit Cost 10.42 Birr/kg.

Equipment Unit Cost 0.00

Total of (1:02)

Total of (1:03)

hourly output: 7.08/9=0.79

Hourly output: _____

Direct Cost of Work Item = A+B+C =

58.57 Birr/kg.

Over head cost :

5.86 "

Profit Cost:

8.79 "

Total Unit Cost :

73.21 Birr/kg.

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

PROJECT : G+1 DUPLEX REINFORCEMENT BARS

LABOUR HOURLY OUTPUT: 12.5 kg./hr

WORK ITEM: (1.20c) dia. 10 deformed bars

EQUIPMENT:

TOTAL QUANTITY OF

RESULT:

64.66 Birr/kg.

WORK ITEM : 1 kg

Material Cost (1:01)					Labour (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
φ10-deformed bars	kg	1.05	39.03	40.9815	foreman	1	1	37.5	37.50			
1.5 mm black Annealed wire	"	0.0125	60	0.75	bar bender	1	1	31.25	31.25			
				0	D/L	3	1	18.75	56.25			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
Total (1:-01)				41.7315	Total (1:02)				125	Total (1:03)		

A= Materials U 41.7315 Birr/kg.

B= Manpower Unit Cost 10.00 Birr/kg.

C= Equipment Unit Co 0

Total of (1:02)

Total of (1:03)

Hourly Output: 11.25/12.5=0.90

Hourly output: _____

Direct Cost of Work Item = A+B+C = _

51.73 Birr/kg.

Over head cost :

10%

5.173 "

Profit Cost:

15%

7.760 "

Total Unit Cost :

64.664 Birr/kg.

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS**PROJECT : G+1 DUPLEX REINFORCEMENT BARS**LABOUR HOURLY OUTPUT: 12.5 kg./hr

WORK ITEM: (1.20f) dia. 16 deformed bars

EQUIPMENT:

TOTAL QUANTITY OF

RESULT: 64.30 Birr/kg.WORK ITEM : 1 kg

Material Cost (1:01)					Labour (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
φ16-deformed bars	kg	1.05	38.75	40.6875	foreman	1	1	37.5	37.50			
1.5 mm black Annealed wire	"	0.0125	60	0.75	bar bender	1	1	31.25	31.25			
				0	D/L	3	1	18.75	56.25			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
Total (1:-01)				41.4375	Total (1:02)				125	Total (1:03)		

A= Materials U 41.4375 Birr/kg.

B= Manpower Unit Cost 10.00 Birr/kg.

C= Equipment Unit Co 0

Total of (1:02)Total of (1:03)Hourly Output: 11.25/12.5=0.90

Hourly output: _____

Direct Cost of Work Item = A+B+C = _

51.44 Birr/kg.

Over head cost :

10%

5.144 "

Profit Cost:

15%

7.716 "

Total Unit Cost :

64.297 Birr/kg.

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS**PROJECT : G+1 DUPLEX REINFORCEMENT BARS**LABOUR HOURLY OUTPUT: 12.5 kg./hr

WORK ITEM: (1.20g) dia. 20 deformed bars

EQUIPMENT:

TOTAL QUANTITY OF

RESULT:

62.98 Birr/kg.WORK ITEM : 1 kg

Material Cost (1:01)					Labour (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
φ20-deformed bars	kg	1.05	38.4	40.32	foreman	1	1	37.5	37.50			
1.5 mm black Annealed wire	"	0.0125	5	0.0625	bar bender	1	1	31.25	31.25			
				0	D/L	3	1	18.75	56.25			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
Total (1:-01)				40.3825	Total (1:02)				125	Total (1:03)		

A= Materials U 40.3825 Birr/kg.

B= Manpower Unit Cost 10.00 Birr/kg.

C= Equipment Unit Co 0

Total of (1:02)Total of (1:03)Hourly Output: 11.25/12.5=0.90

Hourly output: _____

Direct Cost of Work Item = A+B+C = _

50.38 Birr/kg.

Over head cost :

10%

5.038 "

Profit Cost:

15%

7.557 "

Total Unit Cost :

62.978 Birr/kg.

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ANALYSIS SHEET FOR DIRECT & INDIRECT UNIT COSTS

PROJECT : G+1 DUPLEX REINFORCEMENT BARS

LABOUR HOURLY OUTPUT: 12.5 kg./hr

WORK ITEM: (1.20e) dia. 14 deformed bars

EQUIPMENT:

RESULT: 63.33 Birr/kg.

UNIT QUANTITY OF WORK ITEM 1 kg

Material Cost (1:01)					Labour (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
φ14-deformed bars	kg	1.05	38.01	39.9105	foreman	1	1	37.5	37.50			
1.5 mm black Annealed wire	"	0.0125	60	0.75	bar bender	1	1	31.25	31.25			
				0	D/L	3	1	18.75	56.25			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
				0					0.00			
Total (1:-01)				40.6605	Total (1:02)				125	Total (1:03)		

A= Materials Unit Cost 40.6605 Birr/kg.

B= Manpower Unit Cost 10.00 Birr/kg.

C= Equipment Unit Cost 0

Total of (1:02)

Total of (1:03)

Hourly Output: 11.25/12.5=0.90

Hourly output: _____

Direct Cost of Work Item = A+B+C = 50.66

50.66 Birr/kg.

Over head cost :

10%

5.066

"

Profit Cost:

15%

7.599

"

Total Unit Cost :

63.326 Birr/kg.

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Hourly Cost
0
0
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0
0
0

Birr/kg.

Hourly Cost
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Birr/kg.

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Birr/kg.

Hourly Cost
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Birr/kg.