



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

QUANTITY SURVEYING N4

2 April 2025

This marking guideline consists of 8 pages.

SECTION A

QUESTION 1

		QUESTION 1 1.1.1 Length Width 6500 5000 2/2000 4000 4000 10 500 9 000	21.68 0.60 <u>0.20</u>	1.3 15 Mpa mass concrete in trenches for foundation footing & Extra over all excavation for carting away surplus material 1.4 Height of the wall 650 <u>150</u> 800 1 ½ brick foundation wall built in English bond in 1:4 cement mortar
	10.50 <u>9.00</u>	1.2.1 Clear site of all rubbish, debris and vegetation and prepare site for building 1.2.2 Centreline 2/6500 13 000 2/5 000 <u>10 000</u> 23 000 Less 4/330 <u>1320</u> 21680 Depth 650 <u>200</u> 850	21.68 <u>0.80</u>	Extra over all excavations for carting away surplus material. Cart away Extra over all excavations for carting away surplus material. 1.5 600 less <u>330</u> 270 ÷ 2 135 Backfill to sides of foundation wall, including part return, fill and ram
	21.68 0.60 <u>0.85</u>	Excavate in earth for surface trenches not exceeding 2 m deep from ground level 1.2.3 Risk of collapse to sides of trenches not exceeding 1.5 m deep from ground level 1.2.4 Keep excavation free of water	21.68 0.33 <u>0.65</u>	 1.6 Length Width 65 00 5 000 less 2/330 <u>660</u> <u>660</u> 5840 4340 Hardcore filling to underside of the surface bed
2/	21.68 <u>0.85</u>		21.68 0.14 <u>0.65</u>	
	<u>Item</u>		5.84 4.34 <u>0.15</u>	

	23.00 <u>0.30</u>		1.7 Height of facings 150 2/75 <u>150</u> 300 Extra over brickwork for facings, including wall ties ALTERNATIVE				
2/	6.50 <u>0.30</u>		Extra over brickwork for facings, including wall ties				
2/	5.00 <u>0.30</u>						

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QUESTION 2

QUESTION 2.1 Squaring			
	21.68 <u>0.80</u>	<u>17.34</u>	1 ½ brick foundation wall built in English bond in 1:4 cement mortar
	23.00 <u>0.30</u>	<u>6.90</u>	Extra over brickwork for facings, including wall ties
	6.50 <u>0.30</u>	<u>3.90</u>	ALTERNATIVE
2/	5.00 <u>0.30</u>	<u>3.00</u> <u>6.90</u>	
2/			

FOUNDATIONS

Masonry

 m^2

~~1 1/2 brick foundation wall
Built in English bond in 1:4
Cement mortar~~

~~17.34~~ 2

17 m²

 m^3

~~Extra over brick work for facing including wall tiles~~

6.90 ~~2~~

7 m³

2.3 Billing

NO	DESCRIPTIONS	UNIT	QTY	RATE	RAND	CENTS
FOUNDATION						
	Bill No...					
1	MASONRY 15 Mpa mass concrete for foundation footing	m ³	3			
2	1 ½ brick foundation wall Built in English bond in 1:4 Cement mortar	m ²	17			
3	Extra over brickwork for facings including wall ties.	m ²	7			
	Bill no 1 Carried forward to summary				R.....	

<u>Squaring</u>		
Check dimensioning (ticks)	0,5	
Square dimensions	0,5	
Transfers to abstract	0,5	(2)
Running through	0,5	

<u>Abstracting</u>		
Section of work	0,5	
Trades	0,5	
Units	0,5	
Page referencing	0,5	(4)
Use of columns	0,5	
Transfers to bill	0,5	
Reducing	0,5	
Description	0,5	

<u>Billing</u>		
Section of work	0,5	
Bill no.	0,5	
Trade	0,5	
Item no.	0,5	(4)
Descriptions (no abbreviations)	0,5	
Units	0,5	
Quantities	0,5	
Summary	0,5	

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TOTAL SECTION A:

SECTION B

QUESTION 3

3.1	3.1.1	m ²	(5 × 1)	(5)
	3.1.2	m ²		
	3.1.3	m ²		
	3.1.4	m ²		
	3.1.5	m ³		
3.2	3.2.1	Risk of collapse	(5 × 1)	(5)
	3.2.2	Sawn South African Pine		
	3.2.3	Surface trench		
	3.2.4	Reduced level		
	3.2.5	Thick		

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QUESTION 4

4.1	4.1.1	D	(5 × 1)	(5)	
	4.1.2	F			
	4.1.3	E			
	4.1.4	B			
	4.1.5	C			
4.2	• It promotes financial control to the benefit of all parties. • Reduces risks. • Tenders are fully competitive • Tenderers are able to obtain competitive prices from their sub-contractors. • A mechanism for adjustment I provided, which reduces causes for dispute. • It provides a service to the client, architect and contractor. • It can be used for a future database as an estimation guide and tool.			(Any 5 × 1)	(5)
					[10]

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QUESTION 5

5.1	• Specification • Condition of contract • Bill of quantities • Interim payment certificate • Standard System of Measuring Building Work • Final account certificate • Contract drawings			(Any 5 × 1)

- 5.2
- Estimating cash flows
 - Prepare feasibility study for the client.
 - Drawing up estimates and budgets for the client
 - Keeping the project within the budget
 - Keeping project on time
 - Preparing replacement estimates for insurance purpose (Any 5 × 2) (10)
- 5.3
- 5.3.1 An inspection✓ carried out to determine the completed work✓ by the contractor for interim payment.✓ (3)
- 5.3.2 A written document for alteration to the scope of works✓ in a construction contract issued by the architect.✓ (2)
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QUESTION 6

- 6.1
- Variable costs
 - Fixed costs
 - Direct costs
 - Indirect costs
 - Sunken costs (Any 3 × 1) (3)
- 6.2
- 6.2.1 Operational profit is an analysis✓ of indirect costs and is calculated by deducting the operational expenses from the gross profit.✓ (2)
- 6.2.2 Gross profit is a measure that analyses✓ the cost of sales efficiently.✓ (2)
- 6.2.3 Net profit is determined by subtracting✓ the total project expenses, including taxes and interests,✓ from the total income.✓ (3)
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TOTAL SECTION B: 50
GRAND TOTAL: 100