NigeriaBuildingCost.ng · Free sample takeoff — edit the blue cells, quantities and totals recalculate

Fence & Gate Takeoff — 18 × 36 m Plot

Perimeter block fence with RC pillars, coping, razor wire and a sliding gate

Project	4-bedroom bungalow (example)
Location	Lugbe, Abuja
Client	Mr & Mrs Adeyemi (example)
Floor area	165 m² (16.5 × 10.0 m)
Prepared by	Example QS (sample)
Rates as at	Nov 2026 · Lugbe, Abuja

BASIS OF MEASUREMENT

• Plot 18 × 36 m (one standard plot, 648 m²): boundary 2 × (18 + 36) = 108 m less a 5.0 m gate opening = 103 m.

• 1.8 m of 9" blockwork above ground on a 600 × 150 strip footing; RC pillars every 3 m.

• Pedestrian gate, gate lights and razor wire rates are placeholders.

SUMMARY BY ELEMENT

#	Element	Amount (₦)	% of total
1	A Foundation	₦2,264,661	21.4%
2	B Pillars	₦2,033,405	19.2%
3	C Fence wall	₦5,539,340	52.4%
4	D Gates	₦726,000	6.9%
	Measured work	**₦10,563,406**	

Measured work	₦10,563,406
Preliminaries (%)	5.0%
Preliminaries	₦528,170
Contingency (%)	5.0%
Contingency	₦554,579
VAT (%)	7.5%
VAT	₦873,462
TOTAL	**₦12,519,616**

Rates are Lugbe, Abuja market rates from NigeriaBuildingCost.ng (supply and fix unless stated). The project, client and dimensions are an example — replace them with your own drawings.

Free sample takeoff from NigeriaBuildingCost.ng. Rates are indicative (Nov 2026) — check current prices in your location before relying on any figure.
Faster option: use the free Fence Cost Calculator at https://nigeriabuildingcost.ng/fence-cost-calculator

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Quantities are pulled from the Dimensions sheet — change a dimension there, or a rate here, and the totals update

A FOUNDATION

Ref	Description	Qty	Unit	Rate (₦)	Amount (₦)
A1	Excavate trench 600 × 600 mm for fence footing	37.08	m³	₦8,800	₦326,304
A2	Strip footing 600 × 150, concrete 1:2:4	9.27	m³	₦132,600	₦1,229,202
A3	9" blocks filled solid below ground, 0.45 m	46.35	m²	₦15,300	₦709,155
				Carried to summary	**₦2,264,661**

B PILLARS

Ref	Description	Qty	Unit	Rate (₦)	Amount (₦)
B1	RC pillars 225 × 225, 2.4 m from footing, concrete 1:2:4	4.50	m³	₦232,100	₦1,044,450
B2	Y12 main bars, 4 per pillar × 3.0 m	394.27	kg	₦1,850	₦729,400
B3	Y8 links @ 200, 0.8 m each	140.30	kg	₦1,850	₦259,555
				Carried to summary	**₦2,033,405**

C FENCE WALL

Ref	Description	Qty	Unit	Rate (₦)	Amount (₦)
C1	9" sandcrete blockwork, 1.8 m above ground	185.40	m²	₦13,300	₦2,465,820
C2	Plaster both faces, 12 mm, 1:4	370.80	m²	₦3,550	₦1,316,340
C3	Precast coping to top of wall	103.00	m	₦3,850	₦396,550
C4	Emulsion paint, 2 coats, both faces	370.80	m²	₦2,600	₦964,080
C5	Razor wire coil on brackets to top of wall	103.00	m	₦3,850	₦396,550
				Carried to summary	**₦5,539,340**

D GATES

Ref	Description	Qty	Unit	Rate (₦)	Amount (₦)
D1	Steel sliding gate 4.0 m × 2.1 m, with track, wheels and lock	1.00	nr	₦495,000	₦495,000
D2	Steel pedestrian gate 1.0 m × 2.1 m	1.00	nr	₦154,000	₦154,000
D3	Gate lights on pillars, with cable from the house	2.00	nr	₦38,500	₦77,000
				Carried to summary	**₦726,000**

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Dimensions — Fence & Gate Takeoff — 18 × 36 m Plot

Quantity = timesing × length × width × height/depth (blank = 1). Negative timesing = deduction (openings, voids).

A FOUNDATION

Ref	Location / dimension	Times	L (m)	W (m)	H/D (m)	Quantity	Unit
A1 Excavate trench 600 × 600 mm for fence footing (m³)							
A1	Boundary 2 × (18 + 36) less gate	1.000	103.000	0.600	0.600	37.08	m³
	Total carried to Priced Takeoff					37.08	m³
A2 Strip footing 600 × 150, concrete 1:2:4 (m³)							
A2	Boundary	1.000	103.000	0.600	0.150	9.27	m³
	Total carried to Priced Takeoff					9.27	m³
A3 9" blocks filled solid below ground, 0.45 m (m²)							
A3	Boundary	1.000	103.000		0.450	46.35	m²
	Total carried to Priced Takeoff					46.35	m²

B PILLARS

Ref	Location / dimension	Times	L (m)	W (m)	H/D (m)	Quantity	Unit
B1 RC pillars 225 × 225, 2.4 m from footing, concrete 1:2:4 (m³)							
B1	Pillars @ 3 m (35) + gate pillars (2)	37.000	0.225	0.225	2.400	4.50	m³
	Total carried to Priced Takeoff					4.50	m³
B2 Y12 main bars, 4 per pillar × 3.0 m (kg)							
B2	37 pillars × 4 bars	148.000	3.000	0.888		394.27	kg
	Total carried to Priced Takeoff					394.27	kg
B3 Y8 links @ 200, 0.8 m each (kg)							
B3	37 pillars × 12 links	444.000	0.800	0.395		140.30	kg
	Total carried to Priced Takeoff					140.30	kg

C FENCE WALL

Ref	Location / dimension	Times	L (m)	W (m)	H/D (m)	Quantity	Unit
C1 9" sandcrete blockwork, 1.8 m above ground (m²)							
C1	Boundary less gate	1.000	103.000		1.800	185.40	m²
	Total carried to Priced Takeoff					185.40	m²
C2 Plaster both faces, 12 mm, 1:4 (m²)							
C2	Both faces	2.000	103.000		1.800	370.80	m²
	Total carried to Priced Takeoff					370.80	m²
C3 Precast coping to top of wall (m)							
C3	Boundary less gate	1.000	103.000			103.00	m
	Total carried to Priced Takeoff					103.00	m
C4 Emulsion paint, 2 coats, both faces (m²)							
C4	Both faces	2.000	103.000		1.800	370.80	m²
	Total carried to Priced Takeoff					370.80	m²
C5 Razor wire coil on brackets to top of wall (m)							

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C5	Boundary less gate	1.000	103.000			103.00	m
	Total carried to Priced Takeoff					103.00	m

D GATES

Ref	Location / dimension	Times	L (m)	W (m)	H/D (m)	Quantity	Unit
D1 Steel sliding gate 4.0 m × 2.1 m, with track, wheels and lock (nr)							
D1	Main gate	1.000				1.00	nr
	Total carried to Priced Takeoff					1.00	nr
D2 Steel pedestrian gate 1.0 m × 2.1 m (nr)							
D2	Beside main gate	1.000				1.00	nr
	Total carried to Priced Takeoff					1.00	nr
D3 Gate lights on pillars, with cable from the house (nr)							
D3	Gate pillars	2.000				2.00	nr
	Total carried to Priced Takeoff					2.00	nr

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