İBARMAKİNA

Block making in Uganda

What a block costs to make, what it sells for, and what a BLOCKMASTER 4, 8 or 10 earns each month

8-inch block (400×200×200 mm) · machine-made, vibrated and pressed



CBM 20 Concrete Block Machine – Uganda

1 How much material goes into one block?

One of our customers made **7,500 blocks of 400×200×150 mm with 120 bags of cement, 55.5 m³ of sand and 37 m³ of chippings**: 62.5 blocks per bag with 30 mm shells. An **8-inch block with 25 mm shells** needs about the same concrete, so **one bag makes about 64 eight-inch blocks**.

Material	Per block	Per 1,000 blocks
Cement	0.8 kg	16 bags of 50 kg
Quarry dust / sand	7.2 litres	7.2 m³
Aggregates	4.8 litres	4.8 m³

Hand-moulded blocks get far fewer blocks from a bag, because the mix is not vibrated. A machine gives strong, regular blocks from every bag.

What one block costs in Kampala

Cement	UGX 499
Quarry dust / sand	UGX 468
Aggregates	UGX 408
Labour	UGX 40
Generator diesel	UGX 79
Water, curing, maintenance, breakage (+6%)	UGX 90
Cost per block	**≈UGX 1,584**

Prices used: cement UGX 32,000 a bag · quarry dust / sand UGX 65,000 per m³ · aggregates UGX 85,000 per m³ · labourer UGX 20,000 a day · diesel UGX 7,000 a litre

2 Selling price and profit per block

City	Cost (UGX)	Selling price (UGX)	Profit per block (UGX)	Margin
Kampala	≈1,584	2,300–2,600	**716–1,016**	31–39 %
Jinja	≈1,572	2,200–2,500	**628–928**	29–37 %
Mbarara	≈1,749	2,400–2,700	**651–951**	27–35 %
Gulu	≈1,539	2,500–2,900	**961–1,361**	38–47 %

8-inch block (400×200×200 mm) · 8-inch block, 400×200×200 mm, 25 mm shells; outside Kampala, estimated prices

1 block · Kampala

≈1,584 → 2,300–2,600

UGX · cost → price

+716–1,016

UGX · profit per block (31–39 %)

3 What each machine earns (Kampala)

The machine runs at full capacity, 26 days a month, and the yard sells its full output. Cautious: 5% material waste, operator pay 30% higher, 10% other costs and fixed costs (manager, security, rent, maintenance) deducted.



BLOCKMASTER 4

Output per day	**4,000 blocks**
Crew	**8 people**

Materials per day: 62 bags of cement · 28.8 m³ sand · 19.2 m³ chippings

Net profit per month · selling at UGX 2,300
UGX 52.6 million
≈ 12,200 USD

Net profit per month · selling at UGX 2,600
UGX 83.8 million
≈ 19,500 USD



BLOCKMASTER 8

Output per day	**8,000 blocks**
Crew	**11 people**

Materials per day: 125 bags of cement · 57.7 m³ sand · 38.4 m³ chippings

Net profit per month · selling at UGX 2,300
UGX 115.0 million
≈ 26,700 USD

Net profit per month · selling at UGX 2,600
UGX 177.4 million
≈ 41,300 USD



BLOCKMASTER 10

Output per day	**10,000 blocks**
Crew	**14 people**

Materials per day: 156 bags of cement · 72.1 m³ sand · 48.1 m³ chippings

Net profit per month · selling at UGX 2,300
UGX 147.6 million
≈ 34,300 USD

Net profit per month · selling at UGX 2,600
UGX 225.6 million
≈ 52,500 USD

4 Our installations in Uganda

Machines we installed and commissioned in Uganda. Our team trained the operators on site.



UGANDA
CBM 20 Concrete Block Machine – Uganda

See all our installations →

With İBAR MAKİNA

- Installation and operator training included in the price
- 2-year warranty on our machines
- Spare parts shipped from stock the same day
- Over 45 years of experience, installations in more than 30 countries

Not included in this calculation

Land, buildings, curing yard, delivery trucks, depreciation, taxes and loan repayments. Prices change: let's redo the calculation with your own prices.

Let's do the calculation with your prices

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