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## EARTHBAG BASIC HOUSE COST- HAITI 2010

These costs are based on a test house built by Rodney Johnson that was 10 x 15', 2 rooms, with 3 x 15' roof overhang; 150 sf of building area, 200 sf of roof area, 60 lf of walls 8- 9' high. He used doubled barbed wire, vertical rebar pins, a corrugated metal bond beam, and covered the bag walls with cement stucco. These costs include purchased rock for footings and soil to fill bags.

See <http://www.earthbagstructure.com/projects/projects.htm>.

Actual cost built in Port au Prince, Haiti March 2010 in USD, as follows:

Walls	\$860	\$14.33/lf wall (included 2 steel doors & rebar window grills)
Roof	\$400	\$2.00/sf (metal roofing)
Contingency	<u>\$130</u>	10%
Subtotal	\$1390	Basic material cost for self-build with own soil & rock.

Rock & soil	\$200- \$700	\$11.70/lf wall	\$200 for backhoe in rural areas, more for purchasing in urban areas
Labor	<u>\$240</u>	\$2.40/lf wall	A boost to the local economy
Total	\$1830- \$2330	Total cost with paid labor	

To build a larger single room earthbag house 12 x 18' with a 5 x 18' porch would involve 216 sf building, 306 sf roof, 100 lf walls.

Walls:	\$1430	
Roof	\$610	
<u>Contingency</u>	<u>\$200</u>	10%
Subtotal	\$2240	Basic material cost for self-build with own soil & rock.

Rock & soil	\$300- 1170	Backhoe to dig and loosen site soil, or purchased soil & rock
Labor	<u>\$400</u>	
Total	\$2940- \$3810	Total cost with paid labor