

## Cost of Wall Construction

### a. Labour Cost

Item	Conventional Brick		Eco Bricks	
	Average Time Per Mason (hr)	Approximate labour cost @ Rs 150/hr	Average Time Per Mason (hr)	Approximate labour cost @ Rs 150/hr
	(hr)		(hr)	
1. Building First Course	0.33	Rs 49.50	0.47	Rs 70.50
2. Spreading Mortar for Subsequent Courses	0.52	Rs 78.00	0.01	Rs 1.50
3. Placing Bricks & Levelling	1.2	Rs 180.00	0.15	Rs 22.50
4. Filling Vertical Mortar Joints	0.95	Rs 142.50	0.15	Rs 22.50
5. Total Labour Cost		Rs 450.00		Rs 117.00

### b. Material Cost

Item	Conventional Brick		Eco Bricks	
	Quantity (m <sup>3</sup> )	Approximate Mortar	Quantity (m <sup>3</sup> )	Approximate Mortar
1. Mortar (Rs 6,300 m <sup>3</sup> )	0.605	Rs 3,795	0.05	Rs 314
2. Bricks (Rs 12 each)	565	Rs 6,780		
3. Eco Bricks (Rs 63 each)			141	Rs 8,899
3. Plaster Cost	0.605	Rs 3,795	0.10	Rs 627
4. Total material cost		Rs 14,370		Rs 9,840
c. Total Cost of Wall Construction		Rs 14,820		Rs 9,957

Cost Saving using Eco Bricks

**33%**

Time Saving

**74%**