

Construction Cost (900 SQ FT) Latest Estimation in 2021

- ✓ **Foundation PCC plinth beam and their cost.**
- ✓ **Brick cost calculation, number of bricks, quantity of cement sand and their cost.**
- ✓ **Concrete work, column, beam and slab.**
- ✓ **Reinforcement quantity and their cost.**
- ✓ **Tile flooring quantity and their cost.**
- ✓ **Labour work and their cost.**



Construction cost for civil work per square feet:

For civil work, average cost of house construction varies from Rs 800 to Rs 1000 per sq ft. Cost of civil work consist of cost of building material or construction materials such as cement, bricks, sand, aggregate, steel required for your foundation, plinth, wall, roof, boundary wall, parapet wall, plastering, flooring and brick work. Cost of civil work also consist of shuttering charges, contractor charges and labour charges.

Rate/cost of finishing of house/flat per sq ft:-

For finishing work, Rate/ cost of house construction varies from Rs 400 to Rs 700 per sq ft. Cost of finishing work in consists of cost of flooring, tiling, electrical fitting, plumbing sanitary, water storage tank, security, fireproof, wall putty, painting, fixing of windows and door.

Overall, construction cost of flat/house per sq ft:

Construction cost of a residential house/flat is range between Rs 1,200 to Rs 1,700 per sq ft. This will include cost of civil work, finishing work, labour charges, shuttering charges and all miscellaneous charges of security or plan approval by municipal or panchayat.

900 sq ft house construction cost:-

Generally construction cost of 900 sq ft full furnished single floor house may varies Rs 11 lakh to Rs 16 lakh and Rs 19 lakh to Rs 25 lakh for 2 floor. To build a house, it would be cost around Rs 1200 to Rs 1700 per sq ft of built up area.

How much does it cost to build a 900 sq ft house

Total construction cost for 900 square feet house depending upon the location, types of foundation, soil condition and some more parameters, it would be range from Rs 1200 to Rs 1700 per square feet, so for 900 square feet, it would be cost around rupees rupees 11 lakh to 15 lakh for single floor.

Estimation of quantity and cost of building material for construction of 900 sq ft house

When we make a rough estimate for house construction, using Thumb Rule, cement will cost around 16.4% of total cost, sand will cost around 12.3% of total cost, aggregate will cost around 7.4% of total cost, steel will cost around 24.6% of total cost, finisher like paint, tiles, brick will cost around 16.5% of total cost and fitting like window, door, plumbing electrical and sanitary will cost around 22.8% of total cost.

Estimation for quantity & cost of cement required for 900 sq ft house

Number of cement bag required is calculated as built up area \times 0.4, so generally for a 900 sq ft small residential house, you will need 360 bags of 50kg cement which would cost around Rs 144 thousand. Mathematical calculation such as if cement rate per bag is Rs 400, then cost of 360 bags = $360 \times 400 =$ Rs 144000.

Estimation for quantity & cost of steel required for 900 sq ft house

Quantity of steel required is calculated as built up area \times 4kg, so generally for a 900 sq ft small residential house, you will need 3600kg (3.6MT) of steel which would cost around Rs 252 thousand. Maths calculation such as if steel rate per ton is Rs 70000, then cost of 3.6MT of steel = $3.6 \times 70000 =$ Rs 252000.

Estimation for quantity & cost of sand required for 900 sq ft house

Quantity of sand required is calculated as built up area \times 1.2 cft, so generally for a 900 sq ft small residential house, you will need 1080 cft (10.8 brass, 49 MT) of sand which would cost around Rs 49 thousand. Maths calculation such as if sand rate per ton is Rs 1000, then cost of 49MT of sand = $49 \times 1000 = \text{Rs } 49000$.

Estimation for quantity & cost of aggregate required for 900 sq ft house

Quantity of aggregate required is calculated as built up area \times 1.5 cft, so generally for a 900 sq ft small residential house, you will need 1350 cft (13.5 brass, 61 MT) of aggregate which would cost around Rs 61 thousand. Maths calculation such as if aggregate rate per ton is Rs 1000, then cost of 61MT of aggregate = $61 \times 1000 = \text{Rs } 61000$.

Estimation for quantity & cost of bricks required for 900 sq ft house

Number of bricks required is calculated as built up area \times 8 pieces, so generally for a 900 sq ft small residential house, you will need 8000 nos of bricks which would cost around Rs 56 thousand. Maths calculation such as if bricks rate per 1000 nos is Rs 7000, then cost of 8000 number of bricks = $8 \times 7000 = \text{Rs } 56000$.

Conclusions:-

Construction cost of 900 sq ft full furnished house may varies from Rs 11 lakh to Rs 16 lakh including building material cost, for this you will need 360 bags of 50kg cement which would cost around Rs 144000, 3.6MT of steel which would cost around Rs 252000, 1080cft of sand which would cost around Rs 49000, 1350cft of aggregate which would cost around Rs 61000 & 8000 number of bricks which would cost around Rs 56000.

Estimation Cost for Construction = Rs. 562000

Flooring & Tile = Rs. 200000

Plumping & Electrical = Rs. 120000

Labour Cost = Rs. 718000

Total Cost = Rs. 1500000



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