

SILICAMIX

COST COMPARISON OF CONVENTIONAL PLASTERING METHOD v/s READY-MIX BAG METHOD OF PLASTERING

Price per Bag of 40kg = Rs. 200

READYMIX PLASTER COST COMPARISON - FOR AN AREA OF 3,000 SQ.FT.

Sq. Ft. 3,000.00

COST OF PLASTERING UNDER TRADITIONAL METHOD

| Particulars | Unit | Amount |
|---|---|------------------------|
| Coverage area per day with 1 Mestri & 2 Helpers | Sq. ft. | 150.00 |
| Plastering Labour cost per day | Rs. 900 + Rs. 600 + Rs. 600 | Rate per day 2,100.00 |
| Plastering Labour cost per sq. ft. | Rs. 2,100/ 225 sq. ft. | Rate per sq. ft. 14.00 |
| Plastering Labour Cost | 3,000 sq. ft. x Rs. 14 per sq. ft. | Rs. 42,000.00 |

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|---|-----------------------------------|--------------------|------------------|
| Plaster Sand cost for 3,000 sq. ft. at 1:4 ratio | 6.4 tons at Rs. 1,200 per ton | Cost | 7,680.00 |
| Cement cost for 3,000 sq. ft. at 1:4 ratio | 1.6 tons at Rs. 420 per bag | Cost | 13,440.00 |
| Material Cost | 186 Bags x Rs. 200 per bag | Rs. | 21,120.00 |
| Total Cost of Plastering | | Rs. | 63,120.00 |
| No. of effective working days required at 150 sq.ft. per day | | No. of days | 21.04 |

COST OF PLASTERING WITH READYMIX BAGS

| Particulars | Unit | Amount |
|--|-----------------------------------|----------------------|
| Coverage area per bag of 40 kgs. of Readymix Plaster | Sq. ft. | 15.00 |
| Material requirement for 3,000 sq. ft. | 3,000 sq. ft./ 15 sq. ft. | No. of Bags 200.00 |
| Material Cost | 186 Bags x Rs. 200 per bag | Rs. 37,200.00 |

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| Shifting and Storing labour requirement for 200 Bags | No. of Helpers | 3.00 |
| Shifting Labour Cost | Rs. 600 x 3 Labourers | Rs. 1,800.00 |

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|---|---|--------------------|------------------|
| Coverage area per day with 1 Mestri & 1 Helper | | Sq. ft. | 225.00 |
| Plastering Labour cost per day | Rs. 900 + Rs. 600 | Rate per day | 1,500.00 |
| Plastering Labour cost per sq. ft. | Rs. 1,500/ 225 sq. ft. | Rate per sq. ft. | 6.67 |
| Plastering Labour Cost | 3,000 sq. ft. x Rs. 9.33 per sq. ft. | Rs. | 20,000.00 |
| Total Cost of Plastering | | Rs. | 59,000.00 |
| No. of effective working days required at 225 sq.ft. per day | | No. of days | 13.33 |

At the same cost, work can be completed faster. 20 days work can be completed in around 13.5 days which is a saving of 35% of time

It also provides -

1. Consistent mixing of Sand and Cement

Readymix Plaster is machine mixed in right proportions. Machine feeding is specifically designed for each type of Plaster bags for different ratios - 1:4, 1:5 and 1:3

2. Construction Admixtures and Polymers

Readymix Plaster consists of high quality Construction chemicals and Polymers which result in -

- a) Better Quality
- b) Extremely good workability
- c) Improved quality in terms of better adhesion, crack resistance, water retention and quick curing