



Construction Material Quantity — Thumb Rules

Rough per-square-foot material factors for a first budget estimate on residential RCC framed buildings

Per sft of built-up area

Material	Typical range	Notes
Cement	0.35 - 0.40 bag / sft built-up	Varies with mix design and finish level
Sand (fine agg.)	1.2 - 1.3 cft / sft built-up	Concrete + all mortar combined
Stone chips / coarse agg.	1.0 - 1.1 cft / sft built-up	RCC and PCC combined
Reinforcement steel	3.0 - 4.5 kg / sft built-up	Lower for G+0/G+1, higher for G+2/G+3 or long spans
Bricks (modular)	8 - 12 nos / sft built-up	Depends on wall thickness and opening %
RCC concrete	0.028 - 0.035 cum / sft built-up	Footing + column + beam + slab + stair
Flooring + skirting tiles	1.3 - 1.5 sft / sft built-up	Includes wastage allowance
Plaster area	4.5 - 5.5 sft / sft built-up	Internal both faces + ceiling + external face
Paint (all coats)	0.15 - 0.20 litre / sft built-up	Putty + primer + 2 finish coats
Water (construction)	0.4 - 0.6 litre / sft built-up	Curing + mixing, excludes labour use