

DETAILED ESTIMATE FOR LC3 DEMO BUILDING

Sl. No.	Description	Quantity	Unit	Rate (Rs. in Figures)	Rate (Rs. in words)	Amount in Rs.
	CIVIL WORKS					
I	SUB STRUCTURE RELATED WORKS					
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.					
a)	All kinds of soil	16.64	cum			
II	CONCRETE WORKS					
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	4.00	cum			
b)	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	0.96	cum			
2	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	0.58	sqm			
III	RCC(M35)					
1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. In additional, providing M-35 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-35 is @ 350 kg/ cum)					
a)	All works upto plinth level	4.66	cum			
b)	All works above plinth level upto floor V level	2.01	cum			
IV	FORMWORK					
1	Centering and shuttering including strutting, propping etc. and removal of form for :					
a)	Foundations, footings, bases of columns, etc. for mass concrete	4.32	sqm			
b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	23.53	sqm			
c)	Columns, Pillars, Piers, Abutments, Posts and Struts	17.52	sqm			
V	BACKFILLING					
1	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	18.01	cum			
VI	SCAFFOLDING					
	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after.	75.90	sqm			
VII	MASONRY WORKS					
1	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:					
a)	Cement Mortar 1:6 (1 cement : 6 coarse sand)	12.39	cum			
VIII	PLASTERING WORKS					
	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	56.70	sqm			
	1:6 (1 cement: 6 fine sand)	40.20	sqm			
IX	PAINTING WORKS					

1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :				
a)	New work (two or more coats) over and including water thinnable priming coat with cement primer	40.20	sqm		
2	Finishing walls with water proofing cement paint of required shade :				
a)	New work (Two or more coats applied @ 3.84 kg/10 sqm)	56.70	sqm		
X	STEEL WORK				
1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	281.37	kg		
XI	ROOFING				
1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge)0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	25.60	sqm		
2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
a)	Ridges plain (500 - 600mm)	5.06	metre		
XII	WOOD WORK				
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).	0.27	cum		
a)	Second class teak wood				
2	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to				
a)	Second class teak wood	8.58	sqm		
3	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
a)	Fixed to openings /wooden frames with rawl plugs screws etc.	15.64	kg		
Grand Total					
Total amount (Rs in words)					