

Bill of Materials for the Proposed Residential Building belonging to Mr. Suesh at Sivagiri Colony, Nellore									
S.No	Description of Item	Quantity	Unit	Requirement of Materials					
				40 mm Metal	20 mm Chips	Country Bricks	Cement	Sand	Steel
				Cu.M	Cu.M	Nos	50 Kg Bags	Cu.M	Kg
1	Sand Filling Inside Foundation	6.43	Cu.M	-	-	-	-	6.43	-
2	PCC 1:4:8 Lean Concrete for Bed Foundation	6.43	Cu.M	5.92	-	-	22	2.96	-
3	Isolated Column Footings with RCC 1:2:4 using Graded Concrete	23.92	Cu.M	-	22.01	-	159	11.00	-
4	Column Up to NGL with RCC 1:1.5:3	0.60	Cu.M	-	0.55	-	6	0.37	-
5	RCC 1:2:4 for Plinth Beams at Ground Level	2.36	Cu.M	-	2.17	-	16	1.09	-
6	Column Up to FL from NGL with RCC 1:1.5:3	1.19	Cu.M	-	1.09	-	11	0.73	-
7	RCC 1:2:4 for Plinth Beams at Floor Level	7.71	Cu.M	-	7.09	-	51	3.55	-
8	PCC 1:4:8 Lean Concrete for Flooring Base Couse	14.73	Cu.M	13.55	-	-	98	6.78	-
9	Column Up to Roof from FL with RCC 1:1.5:3	3.98	Cu.M	-	3.66	-	36	2.43	-
10	Roof Beams with RCC 1:2:4 Mix	7.52	Cu.M	-	6.92	-	49	3.46	-
11	RCC Roof Slab with CM 1:2:4 Mix	17.34	Cu.M	-	15.95	-	115	7.98	-
12	Parapet Wall - 4.5" (1:5) Mix	10.86	Cu.M	-	-	6516	24	4.13	-
13	Plastering with CM (1:5) Mix for Parapet Wall	127.04	Sq.M	-	-	-	11	0.38	-

S.No	Description of Item	Quantity	Unit	Requirement of Materials					
				40 mm Metal	20 mm Chips	Country Bricks	Cement	Sand	Steel
				Cu.M	Cu.M	Nos	50 Kg Bags	Cu.M	Kg
14	RCC 1:2:4 for Lintels & Sunshades	1.70	Cu.M	-	1.56	-	23	1.16	-
15	Plastering with CM (1:3) Mix for Sunshades, Low Level Slabs	28.45	Sq.M	-	-	-	4	0.14	-
16	Brick Masonry with CM (1:6) Mix for Basement	4.72	Cu.M	-	-	2832	9	1.79	-
17	Brick Masonry with CM (1:8) Mix for Superstructure	13.44	Cu.M	-	-	8064	19	5.11	-
18	Brick Masonry with CM (1:5) Mix for Partitions	9.14	Cu.M	-	-	5484	20	3.47	-
19	Plastering with CM (1:5) Mix I/O for Superstructure	298.20	Sq.M	-	-	-	26	0.89	-
20	Ceiling Plastering with CM 1:3 Mix for Ceiling	124.86	Sq.M	-	-	-	18	0.62	-
21	Tor Steel for RCC Work - VIZAG	5970	Kg	-	-	-	-	-	5970
				<b>19.47</b>	<b>61</b>	<b>22896</b>	<b>717</b>	<b>64.5</b>	<b>5970</b>
22	Plinth Filling - Not included								
23	Toilet Dadoing - Not included								
24	Flooring - Not included								
25	Kitchen Platform - Not included								
26	RCC Cupboards - Not included								
27	Over Head Tank - Not included								
28	Sit Out Steps & Flooring - Not included								
29	Steps to SitOut - Not included								
30	Septic Tank - Not included								

**Detailed Estimate for the Proposed Residential Building belonging to Mr. Suesh at Sivagiri Colony, Nellore**

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
1	Sand Filling Inside Foundation	15	5.50	5.50	0.50	227	CFT	6.43	Cu.M
2	PCC Lean Cocrete for Bed Foundation	15	5.50	5.50	0.50	227	CFT	6.43	Cu.M
3	Isolated Column Footings with RCC 1:2:4 using Graded Concrete								
	First Footing	15	5.00	5.00	1.25	469			
	Second Footing	15	4.00	4.00	1.25	300			
	Pedestal	15	2.25	2.25	1.00	76			
						845	CFT	23.92	Cu.M
4	Column Up to NGL with RCC 1:1.5:3	15	1.25	0.75	1.50	21	CFT	0.60	Cu.M
5	RCC 1:2:4 for Plinth Beams at Ground Level								
		2	33.50	0.75	0.75	38			
		2	34.00	0.75	0.75	38			
		1	13	0.75	0.75	7			
						83	CFT	2.36	
6	Column Up to FL from NGL with RCC 1:1.5:3	15	1.50	0.75	2.50	42	CFT	1.19	Cu.M
7	RCC 1:2:4 for Plinth Beams at Floor Level								
		5	33.50	0.75	1.25	157			
		3	34.00	0.75	1.25	96			
		1	21	0.75	1.25	20			
						272	CFT	7.71	Cu.M
8	PCC Lean Cocrete for Flooring Base Couse	1	32.50	32.00	0.50	520	CFT	14.73	Cu.M

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
9	Column Up to Roof from FL with RCC 1:1.5:3	15	1.25	0.75	10.00	141	CFT	3.98	Cu.M
10	Roof Beams with RCC 1:2:4								
	Long Beams	3	49.75	0.75	1.25	140			
	Short Beams	5	26.83	0.75	1.25	126			
						266	CFT	7.52	Cu.M
11	RCC Roof Slab with CM 1:2:4 Mix	1	1344.00		0.42	560			
	Deduct	1	11.25	5.00	0.42	-23			
	Waist Slab	2	14.06	3.00	0.42	35			
		1	15.00	6.50	0.42	41			
						612	CFT	17.34	Cu.M
12	Parapet Wall - 4.5" (1:5) Mix	1	99.00	0.38	3.00	111			
	Parapet Wall - 9" (1:5) Mix	1	27.50	0.75	3.00	62			
	Head Room Wall	1	41.00	0.75	8.00	246			
	Deduct	1	6.00	0.75	5.00	-23			
		1	2.50	0.75	7.00	-13			
						384	CFT	10.86	Cu.M
13	Plastering with CM (1:5) Mix for Parapet Wall	2	99.00		3.00	594			
		2	27.50		3.00	165			
		2	41.00		8.00	656			
		1	6.00		5.00	-30			
		1	2.50		7.00	-18			
						1368	SFT	127.04	Sq.M

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
14	RCC 1:2:4 for Lintels & Sunshades								
	Lintels								
	Ventilators	3	4.50	0.75	0.50	5			
	Windows	3	7.50	0.75	0.50	8			
		3	4.50	0.75	0.50	5			
		1	4.50	0.75	0.50	2			
		1	3.00	0.75	0.50	1			
	Doors	1	5.00	0.75	0.50	2			
		2	4.50	0.38	0.50	2			
		1	4.50	0.75	0.50	2			
		3	4.00	0.38	0.50	2			
	Sunshades	1	18.25	1.50	0.25	7			
		2	4.50	1.50	0.25	3			
		2	7.50	1.50	0.25	6			
	Lofts & Low Level Slabs	1	5.13	8.13	0.13	5			
		1	10.38	1.50	0.25	4			
		1	5.50	1.50	0.25	2			
		1	3.75	4.25	0.25	4			
						60	CFT	1.70	Cu.M
15	Plastering with CM (1:3) Mix for Sunshades, Low Level Slabs								
		1	18.25	3.25		59			
		2	4.50	3.25		29			
		2	7.50	3.25		49			
		1	5.13	16.50		85			
		1	10.38	3.25		34			
		1	5.50	3.25		18			
		1	3.75	8.75		33			
						306	SFT	28.45	Sq.M

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
16	Brick Masonry with CM (1:6) Mix for Basement	2	33.50	0.75	1.50	75			
		2	34.00	0.75	1.50	77			
		1	13	0.75	1.50	15			
						167	CFT	4.72	Cu.M
17	Brick Masonry with CM (1:8) Mix for Superstructure								
	Around the Building	1	66.00	0.75	10.00	495			
	Staircase Wall	1	22.25	0.75	10.00	167			
	Deductions								
	Doors MD	1	3.50	0.75	7.00	-18			
	D	1	1.00	0.75	7.00	-5			
		3	6.00	0.75	4.50	-61			
	Windows	3	6.00	0.75	4.50	-61			
		3	3.00	0.75	4.50	-30			
		1	3.00	0.75	3.00	-7			
		1	1.50	0.75	4.50	-5			
						475	CFT	13.44	Cu.M
18	Brick Masonry with CM (1:5) Mix for Partitions	1	7.50	0.38	10.00	28			
		1	15.00	0.38	10.00	56			
		1	15.00	0.38	10.00	56			
		1	20.00	0.38	10.00	75			
		1	5.00	0.38	10.00	19			
		1	3.00	0.38	10.00	11			
		1	5.00	0.38	10.00	19			
		1	7.00	0.38	10.00	26			

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
		1	24.00	0.38	10.00	90			
	Doors D	2	3	0.38	7.00	-16			
	D2	4	4	0.38	7.00	-42			
						323	CFT	9.14	Cu.M
19	Plastering with CM (1:5) Mix I/O for Superstructure Around the Building	2	66.00		10.00	1320			
	Staircase Wall	2	22.25		10.00	445			
	Deductions								
	Doors MD	2	3.50		7.00	-49			
	D	2	1.00		7.00	-14			
		3	6.00		4.50	-81			
	Windows	3	6.00		4.50	-81			
		3	3.00		4.50	-41			
		1	3.00		3.00	-9			
		1	1.50		4.50	-7			
		2	15.00		10.00	300			
		2	15.00		10.00	300			
		2	20.00		10.00	400			
		2	5.00		10.00	100			
		2	3.00		10.00	60			
		2	5.00		10.00	100			

S.No	Description of Item	Nos	Length	Breadth	Depth	Quantity	Unit	Quantity	Unit
		2	7.00			140			
		2	24.00			480			
	Doors D	2	3			-42			
	D2	4	4			-112			
						3210	SFT	298.20	Sq.M
20	Ceiling Plastering with CM 1:3 Mix for Ceiling					1344	SFT	124.86	Sq.M
21	Tor Steel for RCC Work - VIZAG								
	3 Isolated Column Footings with RCC 1:2:4 using Graded Concrete	23.92	CUM	45	Kg Per CUM	1076			
	4 Column Up to NGL with RCC 1:1.5:3	1.08	CUM	225	Kg Per CUM	244			
	5 RCC 1:2:4 for Plinth Beams at Ground Level	2.36	CUM	70	Kg Per CUM	165			
	6 Column Up to FL from NGL with RCC 1:1.5:3	1.19	CUM	225	Kg Per CUM	269			
	7 RCC 1:2:4 for Plinth Beams at Floor Level	7.71	CUM	100	Kg Per CUM	771			
	9 Column Up to Roof from FL with RCC 1:1.5:3	3.98	CUM	225	Kg Per CUM	896			
	10 Roof Beams with RCC 1:2:4	7.52	CUM	150	Kg Per CUM	1129			
	11 RCC Roof Slab with CM 1:2:4 Mix	17.34	CUM	75	Kg Per CUM	1301			
	14 RCC 1:2:4 for Lintels & Sunshades	1.70	CUM	70	Kg Per CUM	119			
						5970	Kg	5970	Kg
	22 Plinth Filling - Not included								
	23 Toilet Dadoing - Not included								
	24 Flooring - Not included								
	25 Kitchen Platform - Not included								
	26 RCC Cupboards - Not included								
	27 Over Head Tank - Not included								
	28 Sit Out Steps & Flooring - Not included								
	29 Steps to SitOut - Not included								
	30 Septic Tank - Not included								