



Item No.	Item description	No.	length (ft)	width (ft)	Height/thickness (ft)	Area (ft ²)	Volume (ft ³)	Remarks
1.	Earthwork excavation							
	i) 30" wall foundation	1	18'3"	36"	3'3"	x	177.94	(20'10" - 31")
	ii) 25" wall foundation	1	133'	31"	3'3"	x	1116.65	(20'10" x 2) + (22'10" x 4)
	iii) 20" wall foundation	1	47'7"	26"	2'3"	x	231.97	2(9'-15.5"-2'3") + 2(22'10" - 4'6")
	iv) Column foundation	3	4'6"	4'6"	4'3"	x	258.19	
							Sum = 1784.75	
2.	BFS (below foundation)							
	i) 30" wall foundation	1	18'9"	30"	x	46.875	x	(20'10" - 25")
	ii) 25" wall foundation	1	133'	25"	x	277.08	x	(20'10" x 2) + (22'10" x 4)
	iii) 20" wall foundation	1	59'5"	20"	x	99.03	x	2(9'-7.5"-6") + 2(22'10" - 6"-6")
	iv) Column foundation	3	4'	4'	x	48	x	
							Sum = 470.98	
3.	CC in foundation							
	i) 30" wall foundation	1	18'9"	30"	3"	x	11.72	(20'10" - 25")
	ii) 25" wall foundation	1	133'	25"	3"	x	69.27	(20'10" x 2) + (22'10" x 4)
	iii) 20" wall foundation	1	59'5"	20"	3"	x	24.76	(9'-7.5"-6") x 2 + 2(22'10" - 6"-6")
	iv) Column foundation	3	4'	4'	3"	x	12	
							Sum = 117.75	



Item No.	Item description	NO	Length (ft)	width (ft)	height/thickness (ft)	Area (ft ²)	Volume (ft ³)	Remarks
4.	Brickwall (upto Gl)							
	(a) 36" wall foundation							
	i) 25" width	1	19'2"	25"	6"	X	19.97	18'9" + 5"
	ii) 20" width	1	19'7"	20"	6"	X	16.32	18'9" + 5" X2
	iii) 15" width	1	20'	15"	6"	X	12.5	18'9" + 5" X3
	iv) 10" width	1	20'	10"	15"	X	20.83	18'9" X 5" X4
							Sum =	69.62
	(b) 25" wall foundation							
	i) 20" width	1	133'	20"	6"	X	110.83	(20'10" X2) + (22'10" X4)
	ii) 15" width	1	133'	15"	6"	X	83.12	"
	iii) 10" width	1	133'	10"	21"	X	193.95	"
							Sum =	387.9
	(c) 20" wall foundation							
	i) 15" width	1	59'10"	15"	6"	X	37.4	(59'5" + 5")
ii) 10" width	1	59'10"	10"	15"	X	62.33	(59'5" + 5")	
						Sum =	99.73	
5.	Brickwall (GL - P)							
	i) 36" wall foundation	1	20'	10"	2'	X	33.33	(20'10" - 5" - 5")
	ii) 25" wall foundation	1	133'	10"	2'	X	221.67	(20'10" X2) + (22'10" X4)
	iii) 20" wall foundation	1	60'4"	10"	2'	X	100.36	(9'7.5" - 6") X2 + (22'10" - 12" + 11") X2
						Sum =	355.36	
6.	RCC in footing upto GL.							
	i) 4'x4' footing	3	4'	4'	1'	X	48	
	ii) RCC column upto GL.	3	1'	1'	2'9"	X	8.25	
						Sum =	56.25	

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7.	RCC in column (GL to PL)	3	10"	10"	2'	X	4.167	
8.	BFS in floor (one layer)							
	i) Inside room	2	22'	20'	3"	880	X	
	ii) Veranda	1	44'10"	8'2"	3"	366.1	X	46'6"-10"x2
	(iii) door (Di)	4	3'4"	10"	X	11.11		
					Sum=	1257.2		
9.	DPC. (1.5" thick)							
	i) 30' foundation	1	20'	10"	1.5"	X	2.1	
	ii) 25" wall foundation	1	133'	10"	1.5"	X	13.6	20'10"x2 + 22'10"x4
	(deduct)	4	3'4"	10"	1.5"	X	-1.39	
	-doors							
					Sum=	14.31		
10.	CC in floors							
	i) main room	2	22'	20"	3"	X	220	
	ii) Veranda	1	44'10"	8'2"	3"	X	91.6	46'6"-20"
	iii) Door (Di)	4	3'4"	10"	3"	X	2.78	
					Sum=	314.38		
11.	Floor finish							
	(i) main room	2	22'	20'	0.25"	880	18.33	
	(ii) Veranda	1	46'6"	9'	0.25"	418.5	8.72	22'10"x2 + 10"
	(iii) door	4	3'4"	10"	0.25"	11.11	0.23	
	(iv) stair steps	3	23'8"	1'4"	0.25"	94.67	1.97	22'+10"+10"
	(v) 10"x10" column (deduct)	3	10"	10"	0.25"	-2.08	-0.043	
					Sum	Sum		
					=1402.2	=29.23		

Item No.	Item description	No.	Length	width	height/ thickness	Area	Volume	Remarks.
12.	RCC column	3	10"	10"	10'7"	X	22.05	
13.	Brickwall (superstructure) deduct	1	153'	10"	10'7"	X	1349.38	46'6" X 2 + 3 X 20'
	(i) door (D _i)	4	3'4"	10"	7'	X	-77.78	
	(ii) window (W _i)	8	5'	10"	4'6"	X	-180	
	(iii) Lintel (W _i)	4	7'	10"	6"	X	-11.67	
	(iv) Lintel (W _i - D _i)	1	45'10"	10"	6"	X	-19.1	(22' X 2 + 10" + 12")
							Sum = 1060.83	
14.	RCC in Lintel							
	i) Lintel (W _i)	4	7'	10"	6"	X	11.67	
	ii) Lintel (W _i - D _i)	1	45'10"	10"	6"	X	19.1	(22' X 2 + 10" + 12")
							Sum = 30.77	
15.	RCC in Roof	1	50'	34'2"	5"	X	711.81	
16.	Lime concrete (roof)	1	49'2"	33'4"	3"	X	409.72	(50' - 10')
17.	Brick (parapet)	1	166'8"	5"	2'	X	138.89	2(33'9" + 49'7")
18.	RCC (drop wall)	1	63'8"	5"	2'6"	X	66.32	(46'1" + 2 X 8'9.5")
	[deduct] Column	1	X	X	2'6"	1.39	-3.47	
							Sum = 62.85	

Item No.	Item description	No.	Length	width	Height/ thickness	Area	Volume	Remarks
19	Brickwork (stair)							
	i) Step 1	1	23'8"	10"	6"	X	9.86	22'+10"+10"
	ii) Step 2	1	23'8"	20"	6"	X	19.72	22'+10"+10"
	iii) Step 3	1	23'8"	30"	12"	X	59.17	22'+10"+10"
	iv) Step 4	1	23'8"	36"	3"	X	17.75	22'+10"+10"
						Sum=	106.5	
20	RCC (Sun Shade)	4	X	X	X	X	13.71	$((3' \times 6') + (0.5 + (3'' + 4'') \times 15'')) \times 7'$
21	Plastering (inside)							
	1) wall							
	i) Room	2	84'	9'9"	0.25"	1638	34.125	$(2 \times 20) + 2(22'10'' - 10'')$
	deduct:							
	a) Door (Di)	4	3'4"	6'2"	0.25"	-82.24	-1.71	
	b) window (wi)	8	6'	4'6"	0.25"	-216	-4.5	
	ii) Veranda	1	46'6"	9'9"	0.25"	453.37	9.45	$(22'10'' \times 2) + 10''$
	deduct:							
	a) door (Di)	4	3'4"	6'2"	0.25"	-82.24	-1.71	
	b) window (wi)	4	6'	4'6"	0.25"	-108	-2.25	
	c) Drop wall	2	5"	2'6"	0.25"	-2.08	-0.043	
	2) Ceiling							
	a) Room	2	22'	20'	0.25"	880	18.33	
	b) Veranda	1	46'6"	9'	0.25"	418.5	8.72	$(22'10'' \times 2) + 10''$
	deduct:							
	a) Column	3	10"	10"	0.25"	-2.08	-0.0434	
	b) drop wall	1	60'4"	5"	0.25"	-35.14	-0.524	$(2 \times 22') + 2(9' - 10'')$

Item No.	Item description	No.	length	width	Height/ thickness	Area	Volume	Remarks
3)	Dropwall							
	- (inside face)	1	60'4"	2'6"	0.25"	66	3.14	
	- bottom face	1	60'4"	5"	0.25"	140	0.524	
4)	Edges							
	a) Window	8	21'	10"	0.25"	150.83	1.09	(6'+4'6") ²
	b) Doors	4	15'8"	10"	0.25"	25.14	2.92	(6'2"+6'2"+3'4")
						Sum =	67.518	
22.	Plastering (outside) (1:4)							
	1) GL to PL deduct:	1	154'4"	2'	0.5"	308.67	12.86	46'6" x 2 + 36'8" x 2
	Stair	1	23'8"	1'6"	0.5"	-35.5	-1.48	
	2) walls	1	89'10"	10'7"	0.5"	950.74	40.55	46'6" + (21'8" x 2)
	deduct							
	a) window	4	6'	4'6"	0.5"	-108	-4.5	
	b) Sun shade (wi)	4	7'	4"	0.5"	-4.33	-0.389	
	3) Column	3	3'4"	9'9"	0.5"	97.5	4.06	(10" x 4)
	4) Stairs							
	a) Step 1	1	23'8"	16"	0.5"	31.56	1.31	22'+10'+10"
	b) Step 2	1	23'8"	16"	0.5"	31.56	1.31	22'+10"+10"
	c) Step 3	1	23'8"	16"	0.5"	31.56	1.31	22'+10"+10"
	5) Parapet							
	i) inside	1	165'	2'	0.5"	330	13.75	49'2" x 2 + 33'4" x 2
	ii) outside	1	168'4"	2'	0.5"	331.67	14.03	50' x 2 + 34'2" x 2
	iii) top	1	166'8"	5"	0.5"	69.44	2.89	50' x 2 + 33'4" x 2



Item No.	Item description	No	length	width	height/ thickness	Area	Volume	Remarks.
	b) Sunshade							
	i) bottom face	4	7'	1'6"	0.5"	42	1.75	
	ii) side edge	4	7'	60"	0.5"	14	0.583	
	iii) top face	4	7'	21"	0.5"	49	2.042	(3'+3'+15")
	7) Connie							
	i) side edge	1	168'4"	5"	0.5"	70.14	2.92	(50'x2)+(34'2"x2)
	ii) bottom edge	1	164'10"	21"	0.5"	282.33	12.02	(50'x2)+(32'5"x2)
	8) Dropwall							
	i) outside face	1	60'4"	2'6"	0.5"	150.83	6.28	2(9'-10")+(2'x2)
						Sum =	111.296	
23	Skirting							
	a) main room	2	84'	10"	0.75"	X	8.75	(20'x2)+(22'x2)
	deduct: door (D)	4	3'4"	10"	0.75"	X	-0.69	
	b) Veranda	1	46'6"	10"	0.75"	X	2.42	(22'x2)+(10'x3)
	deduct: Door (D)	4	3'4"	10"	0.75"	X	-0.69	
	c) Column	3	3'4"	10"	0.75"	X	0.52	
						Sum =	10.31	



