

Item	Side notes / references	Times x	Length L	Width W	Height / Depth H / D	Deduction	Addition	Total	Unit	Quantity to be transferred	
Filling											
Obtained from excavated material											
not exceeding 500 deep											
	over measure		63.000	0.450				28.350	m2	28	
over 2.00m but not exceeding 4.00m deep											
	foundation excavation						49.536				
	over measure pads	deduct	16	1.200	1.200	0.650	14.976				
	over measure columns	deduct	16	0.300	0.300	1.500	2.160				
							17.136	49.536	32.400	m3	32
Imported filling; type 1 hardcore											
	overall length / width										
			3	5.000			15.000				
		deduct	2	0.500	0.300		0.300				
		deduct	2	0.500	0.150		0.150				
							0.450	15.000	14.550		
beds over 50 but not exceeding 500 thick; below slab			14.55	14.55	0.30			63.51	m3	64	
Excavation / Filling / Disposal / Retaining CHECK											
Excavation check with Disposal and retaining											
	bulk excavation							91.85			
	foundation excavation							49.54			
									total excavated	141.39 m3	
	disposal off site							99.07			
	retain on site							42.32			
									total disposed / retained	141.39 m3	
	Difference should be 0							-	m3	Checked - ok	
Retained onsite checked with filling											
	Filling										
	from retained not exc. 500		63.000	0.450	0.350			9.92			
	from retained exc. 500							32.40			
									Total filled from retained material	42.32 m3	
	Difference should be 0							-	m3	Checked - ok	

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Work Section 11 : InSitu Concrete Works										
SUBSTRUCTURE										
Plain concrete - Mix A										
Horizontal work - blinding below pad foundations										
not exceeding 300 thick		16	1.20	1.20	0.05			1.15	m3	1
Reinforced concrete - Mix B										
Horizontal work - pad foundations										
not exceeding 300 thick		16	1.20	1.20	0.60			13.82	m3	14
Horizontal work - ground floor slab										
	overall length / width									
		3	5.000				15.000			
		2	0.300			0.600				
						0.600	15.000	14.400		
not exceeding 300 thick			14.40	14.40	0.20			41.47	m3	41
Horizontal work - perimeter edge beam										
	average beam width									
	at widest point						0.150			
							- 0.300			
							- 0.450			
	at narrowest point						0.300			
							- 0.750			
	average					(divide by)	2.00	0.375		
	overall length (mean girth)									
		4	14.400				57.600			
		4 / 2	0.500	0.375			1.500			
							- 59.100	59.100		
exceeding 300 thick			59.10	0.38	0.50		11.081			
	columns	deduct	12	0.30	0.30	0.324				
						0.324	11.081	10.757	m3	11
Vertical work - columns										
	overall height									
	column				1.500		1.500			
	to underside of slab				0.300		0.300			
							- 1.800	1.800		
not exceeding 300 thick		16	0.30	0.30	1.80			2.59	m3	3
Formwork; plain										
Sides of foundations and bases										
	overall length - perimeter	4	1.200					4.800		
	overall depth									
	foundation depth				0.600		0.600			
	blinding depth				0.050		0.050			
							- 0.650	0.650		
exceeding 500 high		16	4.80		0.65			49.92	m2	50

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Edges of horizontal work - edge beam formwork										
	overall length									
	grid	3	5.000				15.000			
	half 300 column, both sides	2	0.150				0.300			
						-	15.300	15.300		
	not exceeding 500 high	4	15.30					61.20	m	61
Sides of isolated columns										
	overall length - perimeter	4	0.300					1.200		
	300 x 300 square; 16nr	16	1.20		1.80			34.56	m2	35
Reinforcement										
Mesh - A193										
	length / width		15.300				15.300			
	less cover	2	0.150			0.300				
						0.300	15.300	15.000		
	mesh A193; weight 3.02kg/m2		15.00	15.00				225.00	m2	225

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SUPERSTRUCTURE										
Reinforced concrete - Mix B										
Horizontal work - slabs										
	overall length / width									
		3	5.000				15.000			
		2	0.150				0.300			
						-	15.300	15.300		
	1st and 2nd floor	2	15.30	15.30	0.20		93.636			
	3rd and 4th floor	2	15.30	15.30	0.18		84.272			
	roof slab		15.30	15.30	0.15		35.114			
	not exceeding 300 thick					-	213.022	213.022	m3	213
Horizontal work - attached beams										
	overall length									
	grid		5.000				5.000			
	deduct	2	0.5	0.300		0.300				
						0.300	5.000	4.700		
	not exceeding 300 thick	5	24	4.70	0.30	0.30		50.76	m3	51
Vertical work - columns										
	height - ground to 1st and 1st to 2nd									
	column				3.000		3.000			
	less slab				0.200	0.200				
						0.200	3.000	2.800		
	height - 2nd to 3rd and 3rd to 4th									
	column				3.000		3.000			
	less slab				0.175	0.175				
						0.175	3.000	2.825		
	height - 4th to roof									
	column				3.000		3.000			
	less slab				0.150	0.150				
						0.150	3.000	2.850		
	ground to 1st and 1st to 2nd	2	16	0.30	0.30	2.80	8.06			
	2nd to 3rd and 3rd to 4th	2	16	0.30	0.30	2.83	8.15			
	4th to roof		16	0.30	0.30	2.85	4.10			
	not exceeding 300 thick					0.00	20.32	20.32	m3	20
Vertical work - parapet wall										
	overall length (mean girth)	4	15.300				61.200			
		4	2	0.500	0.150		0.600			
						0.600	61.200	60.600		
	height									
	marked dimension				0.600		0.600			
	assumed for slope				0.050	0.050				
						0.050	0.600	0.550		
	not exceeding 300 thick			60.60	0.15	0.55		5.00	m3	5

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Formwork; plain										
Soffit of horizontal work										
	slab soffits	5	15.30	15.30			1,170.45			
	over measure at perim beams	deduct 5	60.00	0.30		90.00				
	over measure at int. beams	deduct 12 5	4.70	0.30		84.60				
						90.00	1,170.45	1,080.45	m2	1,080
Sides and soffits of attached beams										
	Perimeter beams									
	Width - 1st and 2nd									
	side x			0.500			0.500			
	side y			0.300			0.300			
	side z			0.300			0.300			
						-	1.100	1.100		
	Width - 3rd and 4th									
	side x			0.475			0.475			
	side y			0.300			0.300			
	side z			0.300			0.300			
						-	1.075	1.075		
	Width - roof									
	side x			0.450			0.450			
	side y			0.300			0.300			
	side z			0.300			0.300			
						-	1.050	1.050		
	Internal beams									
	width	3	0.300				0.900			
	1st and 2nd	2	60.00	1.10			132.00			
	3rd and 4th	2	60.00	1.08			129.60			
	roof		60.00	1.05			63.00			
	internal beams	12 5	4.70	0.90			253.80			
	300 x 300 square attached beam					0.00	578.40	578.40	m2	578
Sides of isolated columns										
	height - ground to 1st and 1st to 2nd									
	column				3.000		3.000			
	less slab				0.200	0.200				
	less beam depth				0.300	0.300				
						0.500	3.000	2.500		
	height - 2nd to 3rd and 3rd to 4th									
	column				3.000		3.000			
	less slab				0.175	0.175				
	less beam depth				0.300	0.300				
						0.475	3.000	2.525		
	height - 4th to roof									
	column				3.000		3.000			
	less slab				0.150	0.150				
	less beam depth				0.300	0.300				
						0.450	3.000	2.550		

