

MATERIAL TAKE-OFF

EARTH WORKS, TERMITE CONTROL, PLAIN AND REINFORCED CONCRETE AND CONCRETE MASONRY																			
Footings																			
ID	SIZE (m)			QUANTITY	Volume Concrete (cu m)	Cement (bags)	Sand (cu m)	Gravel (cu m)	Excavation (cu m)	Soil Treatment (sq m)	Formworks (sq m)	Gravel Bedding (cu m)	Topping (cu m)	REBAR (kg)				TIES (kg)	
	W	L	T											1.58	16mm	0.89	12mm	0.62	10mm
F	1.20	1.20	0.30	6.00	2.59	20.74	1.30	2.59	17.28	17.28		8.64		113.76					
Total					2.59	20.74	1.30	2.59	17.28	17.28	-	8.64	-	113.76					
Footing Tie Beams																			
FTB	0.20	0.30	21.00	1.00	1.26	10.08	0.63	1.26		21.06	21.00					74.76	49.48		
Total					1.26	10.08	0.63	1.26	-	21.06	21.00			-		74.76	49.48		
Beams																			
RB1	0.20	0.30	30.00	1.00	1.80	14.40	0.90	1.80			30.00					160.20	70.68		
Total					1.80	14.40	0.90	1.80	-	-	30.00			-		160.20	70.68		
COLUMNS																			
C1	0.20	0.20	4.20	6.00	1.01	8.06	0.50	1.01			3.36					134.57	58.33		
Total					1.01	8.06	0.50	1.01	-	-	3.36			-		134.57	58.33		
SLABS																			
GS	6.00	3.00	18.00	0.10	1.80	14.40	0.90	1.80		18.00	18.00	18.00	18.00				111.60		
RS	7.80	4.80	37.44	0.12	4.49	35.94	2.25	4.49			37.44		37.44				232.13		
Total					6.29	50.34	3.15	6.29	-	18.00	55.44	18.00	55.44	-	-		343.73		
TOTAL					103.62	6.48	12.95	17.28	56.34	109.80	26.64	55.44	113.76	369.53	522.21				

CONCRETE MASONRY AND MASONRY														
WALLS														
ID	SIZE (m)			DOOR & WINDOWS AREA	Total Area (s.qm.)	CHB				Reinforcement (kg)	Tie Wire (kg)	Plastering		
	H	L	AREA			150mm (pcs)	100mm (pcs)	Cement (bags)	Sand (cum)			Area (sqm)	Cement (bags)	Sand (cum)
EXTERIOR	2.70	18.00	48.60	6.64	41.96	545.48		42.72	3.54	142.78	2.04	83.92	20.14	1.68
INTERIOR	2.50	4.50	11.25	1.26	9.99		129.87	10.17	0.84	33.99	0.49	19.98	4.80	0.40
Total					51.95	545.48	129.87	52.89	4.38	176.77	2.53	103.90	24.94	2.08