

BOQ OF ASHA TRUST

BILL OF QUANTITY

NAME OF WORK						
Sr. No.	CODE NO	Description of work	QUANTITY	UNIT	RATE	AMOUNT (IN RS)
CEMENT & CONCRETE WORK						
	5.33	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. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).				
	5.33.1	All works upto plinth level		CUM	6934.9	0
	5.33.2	All works above plinth level upto floor V level	83.44	CUM	8516.1	710578.0293
REINFORCEMENT						
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	7291	KG	88.378	644377.3977
FORMWORK						
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	487.28	SQM	538.55	262420.3542
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	207.28	SQM	445.22	92287.29161
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Str	108.42	SQM	591.96	64180.57425
BRICKWORK						
		Bricks in one Side	10.35	Cum		
		No of Walls	8.00	No		
		Total Brick Work	82.80	Cum		
		No of Bricks	49680			496800
		Mortar	82.80	Cum		289800
TOTAL AMOUNT						2560443.647
LABOUR COST						1024177.459
GRAND TOTAL AMOUNT						3584621.106

Bill of Quantity Building Staging (Tentative Estimate)

Sl. No.	Description of Work	Nos.	Length	Breadth / Width	Depth / Height	Quantity	Unit
	Excavation						
	COLUMN						
	C1(230X300)	5	0.23	0.3	3	1.035	cum
	C2(230X300)	10	0.23	0.3	3	2.07	cum
	C3(230X230)	16	0.23	0.23	3	2.5392	cum
	C4(230X230)	6	0.23	0.23	3	0.9522	cum
	ROOF BEAM						
	RB1(230X400)	1	10.288	0.23	0.3	0.71	cum
	RB1(230X400)	3	15.186	0.23	0.3	3.14	cum
	RB1(230X400)	1	7.645	0.23	0.3	0.53	cum
	RB1(230X400)	1	3.77	0.23	0.3	0.26	cum
	RB1(230X400)	1	3.77	0.23	0.3	0.26	cum
	RB1(230X400)	1	3.77	0.23	0.3	0.26	cum
	RB1(230X400)	1	3.77	0.23	0.3	0.26	cum
	RB1(230X400)	4	16.46	0.23	0.3	4.54	cum
	RB1(230X400)	1	7.31	0.23	0.3	0.50	cum
	RB1(230X400)	4	4.57	0.23	0.3	1.26	cum
	RB3(230X400)	2	4.57	0.23	0.3	0.63	cum
	RB3(230X400)	3	7.31	0.23	0.3	1.51	cum
	RB3(230X400)	1	3.66	0.23	0.3	0.25	cum
	RB3(230X400)	3	5.98	0.23	0.3	1.24	cum
	RB3(230X400)	2	3.66	0.23	0.3	0.50	cum
	RB4(230X400)	1	3.77	0.23	0.3	0.26	cum
	RB4(230X400)	1	5.18	0.23	0.3	0.36	cum
	RB6(230X400)	1	4.57	0.23	0.3	0.32	cum
	RB7(230X400)	1	2.44	0.23	0.3	0.17	cum
	RB7(230X400)	1	3.77	0.23	0.3	0.26	cum
	SLAB						
	S1	1	14.10	3.68	0.1	5.19	cum
	S1	2	9.53	3.68	0.1	7.01	cum
	S1	1	4.88	3.66	0.1	1.78	cum
	S1	1	2.44	3.66	0.1	0.89	cum
	S1	1	12.65	3.66	0.1	4.63	cum
	S1	1	15.24	3.66	0.1	5.57	cum
	S2	1	3.77	3.66	0.1	1.38	cum
	S3	2	4.57	3.88	0.1	3.55	cum
	S3	2	9.22	3.88	0.1	7.15	cum
	S3	1	15.19	7.62	0.1	11.57	cum
					TOTAL	83.43947	cum

	SHUTTERING						
	COLUMN						
	C1(230X300)	5	0.23	0.3	3	15.9	sqm
	C2(230X300)	10	0.23	0.3	3	31.8	sqm
	C3(230X230)	16	0.23	0.23	3	44.16	sqm
	C4(230X230)	6	0.23	0.23	3	16.56	sqm
					TOTAL	108.42	sqm
	ROOF BEAM						
	RB1(230X400)	1	10.288	0.23	0.3	8.54	sqm
	RB1(230X400)	3	15.186	0.23	0.3	37.81	sqm
	RB1(230X400)	1	7.645	0.23	0.3	6.35	sqm
	RB1(230X400)	1	3.77	0.23	0.3	3.13	sqm
	RB1(230X400)	1	3.77	0.23	0.3	3.13	sqm
	RB1(230X400)	1	3.77	0.23	0.3	3.13	sqm
	RB1(230X400)	1	3.77	0.23	0.3	3.13	sqm
	RB1(230X400)	4	16.46	0.23	0.3	54.64	sqm
	RB1(230X400)	1	7.31	0.23	0.3	6.07	sqm
	RB1(230X400)	4	4.57	0.23	0.3	15.18	sqm
	RB3(230X400)	2	4.57	0.23	0.3	7.59	sqm
	RB3(230X400)	3	7.31	0.23	0.3	18.21	sqm
	RB3(230X400)	1	3.66	0.23	0.3	3.04	sqm
	RB3(230X400)	3	5.98	0.23	0.3	14.89	sqm
	RB3(230X400)	2	3.66	0.23	0.3	6.07	sqm
	RB4(230X400)	1	3.77	0.23	0.3	3.13	sqm
	RB4(230X400)	1	5.18	0.23	0.3	4.30	sqm
	RB6(230X400)	1	4.57	0.23	0.3	3.79	sqm
	RB7(230X400)	1	2.44	0.23	0.3	2.02	sqm
	RB7(230X400)	1	3.77	0.23	0.3	3.13	sqm
					TOTAL	207.28	sqm
	SLAB						
	S1	1	14.10	3.68		51.88	sqm
	S1	2	9.53	3.68		70.12	sqm
	S1	1	4.88	3.66		17.84	sqm
	S1	1	2.44	3.66		8.92	sqm
	S1	1	12.65	3.66		46.26	sqm
	S1	1	15.24	3.66		55.74	sqm
	S2	1	3.77	3.66		13.79	sqm
	S3	2	4.57	3.88		35.46	sqm
	S3	2	9.22	3.88		71.54	sqm
	S3	1	15.19	7.62		115.73	sqm
					TOTAL	487.28	sqm

Bar Bending Schedule Building

Sl. No.	Description of Reinforcement	PI Value	Radius	Diameter	Length	Width / Breadth	Depth / Height	Dia of Bar	Nos.	Cover	Spacing	Bending Correction	Total Nos.	Dimension of Bars In Meter						Total Cutting Length	Total Length	Dia Wise Bar Length					
														A	B	C	D	E	F			8mm	10mm	12mm	16mm	20mm	25mm
	COLUMN																										
	C1(230X300)																										
	Vertical bar12mm-6Nos				0.23	0.3	3	12	5	0.04			6		2.92	1			-0.048	3.872	116.160			116.2			
	Stirrups 8mm Dia@-100c/c				0.23	0.3	3	8	5	0.04	0.1		31	0.15	0.15	0.22	0.22	0.144	-0.096	0.788	122.140	122.140					
	C2(230X300)																										
	Vertical bar20mm-6Nos				0.23	0.3	3	20	10	0.04			6		2.92	1				3.920	235.200					235.2	
	Stirrups 20mm Dia@-100c/c				0.23	0.3	3	20	10	0.04	0.1		31	0.15	0.15	0.22	0.22	0.36	-0.24	0.860	266.600					266.6	
	C3(230X230)																										
	Vertical bar12mm-4Nos				0.23	0.23	3	12	16	0.04			4		2.92	1				3.920	250.880			250.9			
	Stirrups 8mm Dia@-100c/c				0.23	0.23	3	8	16	0.04	0.1		31	0.15	0.15	0.15	0.15	0.144	-0.096	0.648	321.408	321.408					
	C4(230X230)																										
	Vertical bar16mm-6Nos				0.23	0.23	3	16	6	0.04			6		2.92	1				3.920	141.120				141.1		
	Stirrups 8mm Dia@-100c/c				0.23	0.23	3	8	6	0.04	0.1		31	0.15	0.15	0.15	0.15	0.144	-0.096	0.648	120.528	120.528					
	ROOF BEAM																										
	RB1(230X400)																										
	Top Main bar 2Nos12mm				10.288	0.23	0.4	12	1	0.03			2	10.228	0.6	0.6			-0.048	11.380	22.760			22.76			
	Bottom Main bar 2Nos12mm				10.288	0.23	0.4	12	1	0.03			2	10.228	0.6	0.6			-0.048	11.380	22.760			22.76			
	Top extra bar 2Nos 12mm				10.288	0.23	0.4	12	1	0.03			2	3.4293						3.429	6.859			6.859			
	bottom extra bar 1Nos 12mm				10.288	0.23	0.4	12	1	0.03			1	5.144						5.144	5.144			5.144			
	Stirrups 8mm-200c/c				10.288	0.23	0.4	8	1	0.03	0.2		51.44	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	54.938	54.938					
	RB1(230X400)																										
	Top Main bar 2Nos12mm				15.186	0.23	0.4	12	3	0.03			2	15.126	0.6	0.6			-0.048	16.278	97.668			97.67			
	Bottom Main bar 2Nos12mm				15.186	0.23	0.4	12	3	0.03			2	15.126	0.6	0.6			-0.048	16.278	97.668			97.67			
	Top extra bar 2Nos 12mm				15.186	0.23	0.4	12	3	0.03			2	5.062						5.062	30.372			30.37			
	bottom extra bar 1Nos 12mm				15.186	0.23	0.4	12	3	0.03			1	7.593						7.593	22.779			22.78			
	Stirrups 8mm-200c/c				15.186	0.23	0.4	8	3	0.03	0.2		75.93	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	243.280	243.280					
	RB1(230X400)																										
	Top Main bar 2Nos12mm				7.645	0.23	0.4	12	1	0.03			2	7.585	0.6	0.6			-0.048	8.737	17.474			17.47			
	Bottom Main bar 2Nos12mm				7.645	0.23	0.4	12	1	0.03			2	7.585	0.6	0.6			-0.048	8.737	17.474			17.47			
	Top extra bar 2Nos 12mm				7.645	0.23	0.4	12	1	0.03			2	2.5483						2.548	5.097			5.097			
	bottom extra bar 1Nos 12mm				7.645	0.23	0.4	12	1	0.03			1	3.8225						3.823	3.823			3.823			
	Stirrups 8mm-200c/c				7.645	0.23	0.4	8	1	0.03	0.2		38.225	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	40.824	40.824					
	RB1(230X400)																										
	Top Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724			
	Bottom Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724			
	Top extra bar 2Nos 12mm				3.77	0.23	0.4	12	1	0.03			2	1.2567						1.257	2.513			2.513			
	bottom extra bar 1Nos 12mm				3.77	0.23	0.4	12	1	0.03			1	1.885						1.885	1.885			1.885			
	Stirrups 8mm-200c/c				3.77	0.23	0.4	8	1	0.03	0.2		18.85	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	20.132	20.132					
	RB1(230X400)																										
	Top Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724			
	Bottom Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724			
	Top extra bar 2Nos 12mm				3.77	0.23	0.4	12	1	0.03			2	1.2567						1.257	2.513			2.513			
	bottom extra bar 1Nos 12mm				3.77	0.23	0.4	12	1	0.03			1	1.885						1.885	1.885			1.885			
	Stirrups 8mm-200c/c				3.77	0.23	0.4	8	1	0.03	0.2		18.85	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	20.132	20.132					

	RB1(230X400)																									
	Top Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724		
	Bottom Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724		
	Top extra bar 2Nos 12mm				3.77	0.23	0.4	12	1	0.03			2	1.2567						1.257	2.513			2.513		
	bottom extra bar 1Nos 12mm				3.77	0.23	0.4	12	1	0.03			1	1.885						1.885	1.885			1.885		
	Stirrups 8mm-200c/c				3.77	0.23	0.4	8	1	0.03	0.2		18.85	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	20.132	20.132				
	RB1(230X400)																									
	Top Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724		
	Bottom Main bar 2Nos12mm				3.77	0.23	0.4	12	1	0.03			2	3.71	0.6	0.6			-0.048	4.862	9.724			9.724		
	Top extra bar 2Nos 12mm				3.77	0.23	0.4	12	1	0.03			2	1.2567						1.257	2.513			2.513		
	bottom extra bar 1Nos 12mm				3.77	0.23	0.4	12	1	0.03			1	1.885						1.885	1.885			1.885		
	Stirrups 8mm-200c/c				3.77	0.23	0.4	8	1	0.03	0.2		18.85	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	20.132	20.132				
	RB1(230X400)																									
	Top Main bar 2Nos12mm				16.4584	0.23	0.4	12	4	0.03			2	16.398	0.6	0.6			-0.048	17.550	140.403			140.4		
	Bottom Main bar 2Nos12mm				16.4584	0.23	0.4	12	4	0.03			2	16.398	0.6	0.6			-0.048	17.550	140.403			140.4		
	Top extra bar 2Nos 12mm				16.4584	0.23	0.4	12	4	0.03			2	5.4861						5.486	43.889			43.89		
	bottom extra bar 1Nos 12mm				16.4584	0.23	0.4	12	4	0.03			1	8.2292						8.229	32.917			32.92		
	Stirrups 8mm-200c/c				16.4584	0.23	0.4	8	4	0.03	0.2		82.291984	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	351.551	351.551				
	RB1(230X400)																									
	Top Main bar 2Nos12mm				7.31484	0.23	0.4	12	1	0.03			2	7.2548	0.6	0.6			-0.048	8.407	16.814			16.81		
	Bottom Main bar 2Nos12mm				7.31484	0.23	0.4	12	1	0.03			2	7.2548	0.6	0.6			-0.048	8.407	16.814			16.81		
	Top extra bar 2Nos 12mm				7.31484	0.23	0.4	12	1	0.03			2	2.4383						2.438	4.877			4.877		
	bottom extra bar 1Nos 12mm				7.31484	0.23	0.4	12	1	0.03			1	3.6574						3.657	3.657			3.657		
	Stirrups 8mm-200c/c				7.31484	0.23	0.4	8	1	0.03	0.2		36.574215	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	39.061	39.061				
	RB1(230X400)																									
	Top Main bar 2Nos12mm				4.57178	0.23	0.4	12	4	0.03			2	4.5118	0.6	0.6			-0.048	5.664	45.310			45.31		
	Bottom Main bar 2Nos12mm				4.57178	0.23	0.4	12	4	0.03			2	4.5118	0.6	0.6			-0.048	5.664	45.310			45.31		
	Top extra bar 2Nos 12mm				4.57178	0.23	0.4	12	4	0.03			2	1.5239						1.524	12.191			12.19		
	bottom extra bar 1Nos 12mm				4.57178	0.23	0.4	12	4	0.03			1	2.2859						2.286	9.144			9.144		
	Stirrups 8mm-200c/c				4.57178	0.23	0.4	8	4	0.03	0.2		22.858884	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	97.653	97.653				
	RB3(230X400)																									
	Top Main bar 4Nos16mm				4.57178	0.23	0.4	16	2	0.03			4	4.5118	0.8	0.8			-0.064	6.048	48.382			48.38		
	Bottom Main bar 4Nos16mm				4.57178	0.23	0.4	16	2	0.03			4	4.5118	0.8	0.8			-0.064	6.048	48.382			48.38		
	Top extra bar 2Nos 16mm				4.57178	0.23	0.4	16	2	0.03			8	1.5239						1.524	24.383			24.38		
	bottom extra bar 1Nos 16mm				4.57178	0.23	0.4	16	2	0.03			2	2.2859						2.286	9.144			9.144		
	Stirrups 8mm-200c/c				3.04785	0.23	0.4	8	2	0.03	0.075		40.638017	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	86.803	86.803				
	Stirrups 8mm-200c/c				1.52393	0.23	0.4	9	2	0.03	0.125		12.191405	0.17	0.34	0.17	0.34	0.162	-0.108	1.074	26.187					
	RB3(230X400)																									
	Top Main bar 4Nos16mm				7.314	0.23	0.4	16	3	0.03			4	7.254	0.8	0.8			-0.064	8.790	105.480			105.5		
	Bottom Main bar 4Nos16mm				7.314	0.23	0.4	16	3	0.03			4	7.254	0.8	0.8			-0.064	8.790	105.480			105.5		
	Top extra bar 2Nos 16mm				7.314	0.23	0.4	16	3	0.03			8	2.438						2.438	58.512			58.51		
	bottom extra bar 1Nos 16mm				7.314	0.23	0.4	16	3	0.03			2	3.657						3.657	21.942			21.94		
	Stirrups 8mm-200c/c				4.876	0.23	0.4	8	3	0.03	0.075		65.013333	0.17	0.34	0.17	0.34	0.144	-0.096	1.068	208.303	208.303				
	Stirrups 8mm-200c/c				2.438	0.23	0.4	9	3	0.03	0.125		19.504	0.17	0.34	0.17	0.34	0.162	-0.108	1.074	62.842					
	RB3(230X400)																									
	Top Main bar 4Nos16mm				3.65742	0.23	0.4	16	1	0.03			4	3.5974	0.8	0.8			-0.064	5.133	20.534			20.53		
	Bottom Main bar 4Nos16mm				3.65742	0.23	0.4	16	1	0.03			4	3.5974	0.8	0.8			-0.064	5.133	20.534			20.53		
	Top extra bar 2Nos 16mm				3.65742	0.23	0.4	16	1	0.03			8	1.2191						1.219	9.753			9.753		
	bottom extra bar 1Nos 16mm				3.65742	0.23	0.4	16	1	0.03			2	1.8287						1.829	3.657			3.657		
	Stirrups 8mm-200c/c				2.43828	0.23	0.4	8	1	0.03	0.075		32.510413	0.17	0.34	0.17	0.34	0.144	-0.096</							

[illegible]

S1																									
main bar 8mm-200c/c					2.43828	3.65742	0.1	8	1	0.03	0.2		12.191405	3.6574					3.657	44.589	44.589				
Dist. bar 8mm-200c/c					2.43828	3.65742	0.1	8	1	0.03	0.2		18.287108	2.4383					2.438	44.589	44.589				
S1																									
main bar 8mm-200c/c					12.6486	3.65742	0.1	8	1	0.03	0.2		63.242914	3.6574					3.657	231.306	231.306				
Dist. bar 8mm-200c/c					12.6486	3.65742	0.1	8	1	0.03	0.2		18.287108	12.649					12.649	231.306	231.306				
S1																									
main bar 8mm-200c/c					15.2393	3.65742	0.1	8	1	0.03	0.2		76.196282	3.6574					3.657	278.682	278.682				
Dist. bar 8mm-200c/c					15.2393	3.65742	0.1	8	1	0.03	0.2		18.287108	15.239					15.239	278.682	278.682				
S2																									
main bar 8mm-200c/c					3.77172	3.65742	0.1	8	1	0.03	0.2		18.85858	3.6574					3.657	68.974	68.974				
Dist. bar 8mm-200c/c					3.77172	3.65742	0.1	8	1	0.03	0.2		18.287108	3.7717					3.772	68.974	68.974				
S3																									
main bar 8mm-200c/c					4.57	3.88	0.1	8	2	0.03	0.2		22.85	3.88					3.880	177.316	177.316				
Dist. bar 8mm-200c/c					4.57	3.88	0.1	8	2	0.03	0.2		19.4	4.57					4.570	177.316	177.316				
S3																									
main bar 8mm-200c/c					9.21944	3.88	0.1	8	2	0.03	0.2		46.09719	3.88					3.880	357.714	357.714				
Dist. bar 8mm-200c/c					9.21944	3.88	0.1	8	2	0.03	0.2		19.4	9.2194					9.219	357.714	357.714				
S3																									
main bar 8mm-200c/c					15.1884	7.61963	0.1	8	1	0.03	0.2		75.941786	7.6196					7.620	578.648	578.648				
Dist. bar 8mm-200c/c					15.1884	7.61963	0.1	8	1	0.03	0.2		38.098141	15.188					15.188	578.648	578.648				</