

MEASUREMENT BOOK

SUNIL

Date	Description	Nos	L	B	H	Quantity
Work Order : CIVIL WORKS						
Contractor : Mahesh G. Nair						
GROUND FLOOR						
EARTH WORKS						
1	EARTH WORKS EXCAVATION : Earth work excavation for foundation trenches in all classes of soil and depositing on bank with initial lead upto 50 mt. and lift upto 1.5 m including breaking clods , watering ramming and sectioning of spoil bank etc. complete.					
10 - August - 2004	Main Walls	1.00	93.54	0.75	0.75	52.62
10 - August - 2004	Partition Walls	1.00	13.95	0.30	0.75	3.14
						55.76 Cu.M.
2	EARTH WORKS FILLING PLINTH USING EARTH OUTSIDE : Filling the plinth and side of the foundation with the earth brought from outside the site including breaking clodes,levelling,watering,ramming etc. complete as instructed by the site engineers. Measurements will be taken only the filledand compacted earth.					
10 - August - 2004	Pantry	1.00	2.90	2.90	0.30	2.52
10 - August - 2004	Pooja	1.00	4.90	4.90	0.30	7.20
10 - August - 2004	Living	1.00	4.10	3.50	0.30	4.31
10 - August - 2004	Dining	1.00	6.50	4.50	0.30	8.78
10 - August - 2004	Sit Out	1.00	4.90	1.70	0.30	2.50
10 - August - 2004	Master Bed 1	1.00	4.10	3.50	0.30	4.31
10 - August - 2004	Bed 1	1.00	1.10	1.70	0.30	0.56
10 - August - 2004	Kidz Bed 1	1.00	4.10	3.20	0.30	3.94
10 - August - 2004	Passage 1	1.00	1.10	1.90	0.30	0.63
10 - August - 2004	WC 1	1.00	2.30	1.90	0.30	1.31
10 - August - 2004	WC 2	1.00	2.30	1.70	0.30	1.17
10 - August - 2004	Kitchen	1.00	4.10	3.20	0.30	3.94
10 - August - 2004	Work Area	1.00	3.50	3.20	0.30	3.36
						44.53 Cu.M.
PCC						
3	PCC FOUNDATION 1:4:8 : Providing and laying P.C.C. 1:4:8 using 40mm nominal size broken stone well consolidated including curing etc. complete for foundation.					
10 - August - 2004	Main Walls	1.00	93.54	0.75	0.05	3.51
10 - August - 2004	Partition Walls	1.00	13.95	0.30	0.15	0.63
						4.14 Cu.M.
4	PCC FLOORING 1:4:8 CuM : Providing and laying P.C.C . 1:4:8 using 40mm nominal size broken stone well consolidated 100mm thick including ramming, curing etc. complete for flooring.					
10 - August - 2004	Porch	1.00	3.80	5.00	0.10	1.90
10 - August - 2004	Pantry	1.00	3.00	3.00	0.10	0.90
10 - August - 2004	Pooja	1.00	5.00	5.00	0.10	2.50
10 - August - 2004	Living	1.00	4.20	3.60	0.10	1.51

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10 - August - 2004	Dining	1.00	6.60	4.60	0.10	3.04
10 - August - 2004	Sit Out	1.00	5.00	1.80	0.10	0.90
10 - August - 2004	Master Bed 1	1.00	4.20	3.60	0.10	1.51
10 - August - 2004	Bed 1	1.00	1.20	1.80	0.10	0.22
10 - August - 2004	Kidz Bed 1	1.00	4.20	3.30	0.10	1.39
10 - August - 2004	Passage 1	1.00	1.20	2.00	0.10	0.24
10 - August - 2004	WC 1	1.00	2.40	2.00	0.10	0.48
10 - August - 2004	WC 2	1.00	2.40	1.80	0.10	0.43
10 - August - 2004	Kitchen	1.00	4.20	3.30	0.10	1.39
10 - August - 2004	Work Area	1.00	3.60	3.30	0.10	1.19
						17.60 Cu.M.
RUBBLE MASONRY						
5	DRM FOUNDATION : Dry random rubble masonry for foundation using approved quality rubble, at all heights with necessary binding stones etc. in line and levels instructed by the site engineer including the scaffolding charge etc. complete. .					
10 - August - 2004	Main Walls	1.00	93.54	0.75	0.60	42.09
10 - August - 2004	Partition Walls	1.00	13.95	0.30	0.60	2.51
						44.60 Cu.M.
6	RRM BASEMENT CM 1:6 : Random rubble masonry in C.M 1:6 for basement using approved quality rubble, at all heights with necessary binding stones etc. in line and levels instructed nby the site engineer including the scaffolding charge etc. complete.					
10 - August - 2004	Main Walls	1.00	93.84	0.45	0.30	12.67
10 - August - 2004	Partition Walls	1.00	13.95	0.30	0.30	1.26
						13.93 Cu.M.
RCC Reinforced cement concrete using 20mm machine crushed blue metal including all form work, watering, curing etc. complete, but excluding the cost of reinforcement. Steel staging and supports along with shutter ply or steel plates to be used and machine mixing and mechanical vibration to be done to the satisfaction of the site engineer.The rate includes application of double stage form work and the application of approved brand of mould releasing agents.						
7	RCC LINTELS M15 : RCC for Lintels using M15.					
10 - August - 2004	Lintels 1	1.00	88.31	0.10	0.15	1.32
10 - August - 2004	Lintels 2	1.00	6.40	0.10	0.15	0.10
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	Total					1.42
	Deduction for Openings					----
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	Total					0.00
						1.42 Cu.M.
8	RCC SUN SHADES M15 : RCC for Sun Shades using M15.					
10 - August - 2004	Sun Shades	1.00	50.60	0.60	0.08	2.43
						2.43 Cu.M.
9	RCC ROOF SLABS M15 : RCC for Roof Slabs using M15.					

Date	Description	Nos	L	B	H	Quantity
10 - August - 2004	Roof Slabs A	1.00	4.66	1.50	0.10	0.70
10 - August - 2004	Roof Slabs B	2.00	1.60	1.20	0.10	0.38
10 - August - 2004	Roof Slabs C	1.00	2.76	1.80	0.10	0.50
10 - August - 2004	Roof Slabs for kidz bed, passage & toilets	1.00	4.66	8.06	0.10	3.76
10 - August - 2004	Roof Slabs for kitchen & Work area	1.00	4.66	6.59	0.10	3.07
10 - August - 2004	Roof Slabs for Living	1.00	4.66	4.66	0.10	2.17
10 - August - 2004	Roof Slabs for Porch & Verandah	1.00	6.06	6.06	0.10	3.67
10 - August - 2004	Roof Slabs_ Pitched roof for Master bed	2.00	4.66	2.10	0.10	1.96
						16.21 Cu.M.
10	RCC COLUMNS M20 : RCC for Columns using M20.					
10 - August - 2004	Columns	3.00	0.23	0.23	3.45	0.55
						0.55 Cu.M.
11	RCC COLUMNS ROUND M20 : RCC for Columns Round using M20.					
10 - August - 2004	Columns Round	1.00	0.94	0.30	3.00	0.85
						0.85 Cu.M.
STEEL REQUIREMENTS						
Supplying, cutting, bending and straightening reinforcement for R.C.C work; binding with 22 gauge binding wire etc. complete in all respects with deformed bars conforming to I.S 1786-1961 or IS 1139 and placing in position. Weight of steel=7850 Kg/m ³ .						
12	STEEL REQUIREMENTS : Steel Requirements for Columns, Beams, Lintels, Slabs etc.					
10 - August - 2004	Steel Requirements for Lintels @1.5 % of vol. for	167.20	-	-	-	167.20
10 - August - 2004	Steel Requirements for Sun Shades @0.8 % of vol. for 2.43 m ³ of RCC.	152.60	-	-	-	152.60
10 - August - 2004	Steel Requirements for Roof Slabs @1 % of vol. for 16.21 m ³ of RCC.	1272.49	-	-	-	1272.49
10 - August - 2004	Steel Requirements for Columns @2 % of vol. for 0.55 m ³ of RCC.	86.35	-	-	-	86.35
10 - August - 2004	Steel Requirements for Columns Round @2 % of vol. for 0.85 m ³ of RCC.	133.45	-	-	-	133.45
						1,812.09 Kg
BRICK WORKS						
14	BRICK WORKS CM 1:6 : First class brick work masonry in C. M. 1:6 (1 cement 6 coarse sand) with approved good quality country burnt bricks of compressive strength 35 kg/m² of standard size of on super structure of all thickness. The rate shall include cost of all materials labour and other incidental charges of all materials to complete the work.					
10 - August - 2004	Main Walls	1.00	94.09	0.20	3.00	56.45
10 - August - 2004	Partition Walls	1.00	14.24	0.11	3.00	4.70

Date	Description	Nos	L	B	H	Quantity
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	Total					61.15
	Deduction for Openings					
10 - August - 2004	DD	1.00	1.10	0.23	2.10	0.53
10 - August - 2004	D	4.00	0.90	0.23	2.10	1.74
10 - August - 2004	D1	2.00	0.80	0.23	2.10	0.77
10 - August - 2004	AO	3.00	1.20	0.23	1.50	1.24
10 - August - 2004	W1	3.00	0.60	0.23	1.80	0.75
10 - August - 2004	W3	3.00	1.74	0.23	1.50	1.80
10 - August - 2004	FW2	2.00	1.18	0.23	1.80	0.98
10 - August - 2004	FW3	1.00	1.74	0.23	1.80	0.72
10 - August - 2004	AFW3	3.00	1.74	0.23	1.80	2.16
10 - August - 2004	SW3	4.00	1.74	0.23	1.00	1.60
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	Total					12.29
						48.86 Cu.M.
PLASTERING AND POINTING						
19	PLASTERING WALLS CM 1:5 12 MM :					
	Plastering with cement mortar to walls, columns and other structural architectural features at all heights, floated hard and trowelled get smooth finish. The rate shall include provision of grooves scaffolding at any height curing etc. complete as directed by the Engineer.					
10 - August - 2004	Main Walls	2.00	94.09	-	3.00	564.54
10 - August - 2004	Partition Walls	2.00	14.24	-	3.00	85.44
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	Total					649.98
	Deduction for Openings					
10 - August - 2004	DD	1.00	1.10	-	2.10	2.31
10 - August - 2004	D	4.00	0.90	-	2.10	7.56
10 - August - 2004	D1	2.00	0.80	-	2.10	3.36
10 - August - 2004	AO	3.00	1.20	-	1.50	5.40
10 - August - 2004	W1	3.00	0.60	-	1.80	3.24
10 - August - 2004	W3	3.00	1.74	-	1.50	7.83
10 - August - 2004	FW2	2.00	1.18	-	1.80	4.25
10 - August - 2004	FW3	2.00	1.74	-	1.80	6.26
10 - August - 2004	AFW3	6.00	1.74	-	1.80	18.79
10 - August - 2004	SW3	4.00	1.74	-	1.00	6.96
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	Total					65.96
						584.02 Sq.M.
20	PLASTERING CEILINGS AND SLABS CM 1:4 :					
	Plastering with cement mortar to ceilings, stairs, steps, slabs and other structural architectural features at all heights, floated hard and trowelled get smooth finish. The rate shall include provision of grooves scaffolding at any height curing etc. complete as directed by the Engineer.					
10 - August - 2004	Slabs -balcony all round	1.00	4.20	2.56	-	10.75
10 - August - 2004	Slabs- seen below balcony	1.00	5.06	6.56	-	33.19
10 - August - 2004	Sun Shades	1.00	50.60	1.28	-	64.77
10 - August - 2004	Landings	3.00	2.00	1.23	-	7.38
10 - August - 2004	Waist Slabs	1.00	1.41	1.00	-	1.41
10 - August - 2004	Roof Slabs A	1.00	4.66	1.50	-	6.99
10 - August - 2004	Roof Slabs B	2.00	1.60	1.20	-	3.84

Date	Description	Nos	L	B	H	Quantity
10 - August - 2004	Roof Slabs C	1.00	2.76	1.80	-	4.97
10 - August - 2004	Roof Slabs for kidz bed, passage & toilets	1.00	4.66	8.06	-	37.56
10 - August - 2004	Roof Slabs for kitchen & Work area	1.00	4.66	6.59	-	30.71
10 - August - 2004	Roof Slabs for Living	1.00	4.66	4.66	-	21.72
10 - August - 2004	Roof Slabs for Porch & Verandah	1.00	6.06	6.06	-	36.72
10 - August - 2004	Roof Slabs_ Pitched roof for Master bed	2.00	4.66	2.10	-	19.57

279.58 Sq.M.

21 **PLASTERING ROOF TOP CM 1:4 12 MM :**
Plastering with C.M. 1:4, 12mm thick with a neat flushing coat of cement slurry 2.20kg/m² over water proofed roof slab by adding integral water proofing admoretore of approved brand as per specification including etc. complete.

10 - August - 2004	Roof Slabs A	1.00	4.66	1.50	-	6.99
10 - August - 2004	Roof Slabs B	2.00	1.60	1.20	-	3.84
10 - August - 2004	Roof Slabs C	1.00	2.76	1.80	-	4.97
10 - August - 2004	Roof Slabs for kidz bed, passage & toilets	1.00	4.66	8.06	-	37.56
10 - August - 2004	Roof Slabs for kitchen & Work area	1.00	4.66	6.59	-	30.71
10 - August - 2004	Roof Slabs for Living	1.00	4.66	4.66	-	21.72
10 - August - 2004	Roof Slabs for Porch & Verandah	1.00	6.06	6.06	-	36.72
10 - August - 2004	Roof Slabs_ Pitched roof for Master bed	2.00	4.66	2.10	-	19.57

162.08 Sq.M.