

RATE ANALYSIS FOR SUNIL

Date : 2/3/2004

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
EARTH WORKS						
1 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.						
GROUND FLOOR					55.76	Cu.M.
Labour				85.00		4,739.60
Total Amount				85.00		4,739.60
						4,739.60
2 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.						
GROUND FLOOR					44.53	Cu.M.
EARTH		1.00	m3	100.00	100.00	4,453.00
				100.00		4,453.00
Labour				40.00		1,781.20
Total Amount				140.00		6,234.20
						6,234.20
						10,973.80
PCC						
3 Providing and laying P.C.C. 1:4:8 using 40mm nominal size broken stone well consolidated including curing etc. complete for foundation.						
GROUND FLOOR					4.14	Cu.M.
CEMENT		171.00	Kg	3.60	615.60	2,548.58
SAND		0.48	m3	600.00	288.00	1,192.32
STONE BALLAST 40 MM		0.95	m3	640.00	608.00	2,517.12
				1,511.60		6,258.02
Labour				450.00		1,863.00
Total Amount				1,962.00		8,122.68

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
						8,122.68
4 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.						
GROUND FLOOR					17.60	Cu.M.
CEMENT		171.00	Kg	3.60	615.60	3,009.60
SAND		0.48	m3	600.00	288.00	8.45
STONE BALLAST 20 MM		0.95	m3	620.00	589.00	16.72
					1,492.60	26,269.76
Labour					450.00	7,920.00
Total Amount					1,943.00	34,196.80
						34,196.80
						42,319.48

RUBBLE MASONRY

5 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. .						
GROUND FLOOR					44.60	Cu.M.
STONE		1.05	m3	300.00	315.00	46.83
					315.00	14,049.00
Labour					200.00	8,920.00
Total Amount					515.00	22,969.00
						22,969.00
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.						
GROUND FLOOR					13.93	Cu.M.
CEMENT		72.00	Kg	3.60	259.20	1,002.96
SAND		0.30	m3	600.00	180.00	4.18
STONE		1.05	m3	300.00	315.00	14.63
					754.20	10,506.01
Labour					300.00	4,179.00
Total Amount					1,054.00	14,682.22
						14,682.22

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
-------------	------	--------------------	------	-----------	----------	--------

37,651.22

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 for Lintels using M15.

GROUND FLOOR						1.42	Cu.M.
CEMENT	330.00	Kg	3.60	1,188.00	468.60	1,686.96	
SAND	0.45	m3	600.00	270.00	0.64	383.40	
STONE BALLAST 20 MM	0.90	m3	620.00	558.00	1.28	792.36	
					2,016.00	2,862.72	
Labour				1,800.00	2,556.00		
Total Amount				3,816.00	5,418.72		
						5,418.72	

8 RCC for Sun Shades using M15.

GROUND FLOOR						2.43	Cu.M.
CEMENT	330.00	Kg	3.60	1,188.00	801.90	2,886.84	
SAND	0.45	m3	600.00	270.00	1.09	656.10	
STONE BALLAST 20 MM	0.90	m3	620.00	558.00	2.19	1,355.94	
					2,016.00	4,898.88	
Labour				1,100.00	2,673.00		
Total Amount				3,116.00	7,571.88		
						7,571.88	

9 RCC for Roof Slabs using M15.

GROUND FLOOR						16.21	Cu.M.
CEMENT	330.00	Kg	3.60	1,188.00	5,349.30	19,257.48	
SAND	0.45	m3	600.00	270.00	7.29	4,376.70	
STONE BALLAST 20 MM	0.90	m3	620.00	558.00	14.59	9,045.18	
					2,016.00	32,679.36	
Labour				1,100.00	17,831.00		
Total Amount				3,116.00	50,510.36		
						50,510.36	

10 RCC for Columns using M20.

GROUND FLOOR						0.55	Cu.M.
CEMENT	432.00	Kg	3.60	1,555.20	237.60	855.36	
SAND	0.45	m3	600.00	270.00	0.25	148.50	
STONE BALLAST 20 MM	0.90	m3	620.00	558.00	0.50	306.90	

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
				2,383.20		1,310.76
Labour				2,100.00		1,155.00
Total Amount				4,483.00		2,465.65
						2,465.65

11 RCC for Columns Round using M20.

GROUND FLOOR					0.85	Cu.M.
CEMENT	432.00	Kg	3.60	1,555.20	367.20	1,321.92
SAND	0.45	m3	600.00	270.00	0.38	229.50
STONE BALLAST 20 MM	0.90	m3	620.00	558.00	0.77	474.30
				2,383.20		2,025.72
Labour				3,000.00		2,550.00
Total Amount				5,383.00		4,575.55
						4,575.55
						70,542.16

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/m3.

12 Steel Requirements for Columns, Beams, Lintels, Slabs etc.

GROUND FLOOR					1,812.09	Kg
STEEL	1.05	Kg	20.00	21.00	1,902.69	38,053.89
BLACK IRON WIRE	0.01	Kg	15.00	0.15	18.12	271.81
				21.15		38,325.70
Labour				4.00		7,248.36
Total Amount				25.00		45,302.25
						45,302.25
						45,302.25

BRICK WORKS

13 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.

GROUND FLOOR					48.86	Cu.M.
CEMENT	58.00	Kg	3.60	208.80	2,833.88	10,201.97
SAND	0.24	m3	600.00	144.00	11.73	7,035.84

Description	Unit Quantity/Unit Work	Unit	Rate	Unit Rate	Quantity	Amount
BRICK	500.00	Nos	2.00	1,000.00	24,430.00	48,860.00
				1,352.80		66,097.81
Labour				300.00		14,658.00
Total Amount				1,653.00		80,765.58
						80,765.58
						80,765.58

FLOOR AND WALL FINISHES

14 Flooring with ceramic tiles 225x225mm (NS) laid in 12mm thick cement 1:3 one coat and pointing with coloured cement to mortar the tiles including cost of materials labour charge etc. complete for all levels.

GROUND FLOOR					9.12	Sq.M.
CEMENT	8.80	Kg	3.60	31.68	80.26	288.92
PIGMENT	0.31	Kg	55.00	17.05	2.83	155.50
CERAMIC TILES	1.05	m2	400.00	420.00	9.58	3,830.40
				468.73		4,274.82
Labour				65.00		592.80
Total Amount				534.00		4,870.08
						4,870.08
						4,870.08

DOORS AND WINDOWS

15 Supplying and fixing of doors and windows frames using good quality wood including M.S. clamps and fittings, fixing complete including a coat of tar at the contact surface of the frame.

GROUND FLOOR					1.11	Cu.M.
WOOD	1.05	m3	20,000.00	21,000.00	1.17	23,310.00
				21,000.00		23,310.00
Labour				2,200.00		2,442.00
Total Amount				23,200.00		25,752.00
						25,752.00

16 Supplying and fixing of shutters of good quality panelled wood.

GROUND FLOOR					11.28	Sq.M.
WOOD	0.05	m3	20,000.00	1,000.00	0.56	11,280.00
				1,000.00		11,280.00
Labour				820.00		9,249.60

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
Total Amount				1,820.00		20,529.60
						20,529.60
17 Supplying and fixing of fully glazed shutters of good quality wood.						
GROUND FLOOR					28.87	Sq.M.
GLASS 3 MM	1.00	m2	120.00	120.00	28.87	3,464.40
WOOD	0.02	m3	20,000.00	400.00	0.58	11,548.00
				520.00		15,012.40
Labour				820.00		23,673.40
Total Amount				1,340.00		38,685.80
						38,685.80
						84,967.40

PLASTERING AND POINTING

18 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.						
GROUND FLOOR					584.02	Sq.M.
CEMENT	4.30	Kg	3.60	15.48	2,511.29	9,040.63
SAND	0.02	m3	600.00	12.00	11.68	7,008.24
				27.48		16,048.87
Labour				30.00		17,520.60
Total Amount				57.00		33,289.14
						33,289.14
19 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.						
GROUND FLOOR					279.58	Sq.M.
CEMENT	3.60	Kg	3.60	12.96	1,006.49	3,623.36
SAND	0.01	m3	600.00	6.00	2.80	1,677.48
				18.96		5,300.84
Labour				40.00		11,183.20
Total Amount				59.00		16,495.22
						16,495.22

Description	Unit	Quantity/Unit Work	Rate	Unit Rate	Quantity	Amount
20 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 admorettere of approved brand as per specification including etc. complete.						
GROUND FLOOR					162.08	Sq.M.
CEMENT	Kg	5.40	3.60	19.44	875.23	3,150.84
SAND	m3	0.02	600.00	12.00	3.24	1,944.96
						31.44
						5,095.80
Labour				25.00		4,052.00
Total Amount				56.00		9,076.48
						9,076.48
						58,860.84

PAINTING

21 Providing and applying two coats of approved brand and shade water proof cement paint over a coat of cement primer to give an ever shade on plastered surfase thereof includes watering and cleaning surface etc. complete as per the instruction of the site engineer.						
GROUND FLOOR					584.02	Sq.M.
CEMENT PAINT	Kg	0.50	22.00	11.00	292.01	6,424.22
						11.00
						6,424.22
Labour				18.00		10,512.36
Total Amount				29.00		16,936.58
						16,936.58

22 Providing and applying two coats of approved brand and shade water proof cement paint over a coat of cement primer to give an ever shade on plastered surfase thereof includes watering and cleaning surface etc.						
GROUND FLOOR					279.58	Sq.M.
CEMENT PAINT	Kg	0.50	22.00	11.00	139.79	3,075.38
						11.00
						3,075.38
Labour				18.00		5,032.44
Total Amount				29.00		8,107.82
						8,107.82

23 Providing and applying two coats of approved brand and shade water proof cement paint over a coat of cement primer to give an ever shade on plastered surfase thereof includes watering and						
--	--	--	--	--	--	--

Description	Unit Quantity/Unit Work	Unit	Rate	Unit Rate	Quantity	Amount
cleaning surface etc. complete as per the instruction of the site engineer.						
GROUND FLOOR					162.08	Sq.M.
CEMENT PAINT	0.50	Kg	22.00	11.00	81.04	1,782.88
				11.00		1,782.88
Labour				18.00		2,917.44
Total Amount				29.00		4,700.32
						4,700.32
						29,744.72
						465,997.53