

Bill of Quantities for the Proposed House Plan Type - L

Date : April 2000

	<u>Qty.</u>	<u>Unit</u>	<u>Rate (Rs.)</u>	<u>Amount (Rs.)</u>
A <u>EXCAVATION AND EARTH WORK</u>				
 <u>Site Preparation</u>				
A/01		Item		4,000.00
A/02	45.00	Cube	400.00	18,000.00
 <u>Excavation</u>				
A/03	7.50	Cube	500.00	3,750.00
A/04	0.20	Cube	500.00	100.00
A/05	2.00	Cube	1,000.00	2,000.00
A/06	9.50	Sqr	750.00	7,125.00
A/07	0.75	Sqr	250.00	187.50
A/08	2.75	Sqr	1,700.00	4,675.00
 Total carried to summary				39,837.50
B <u>CONCRETE WORK</u>				
 <u>Plain concrete</u>				
B/01	4.90	Sqr	2,050.00	10,045.00
B/02	0.09	Sqr	2,050.00	184.50
B/03	10.25	Sqr	3,000.00	30,750.00
 <u>Reinforced concrete</u>				
B/04	0.05	Cube	15,000.00	750.00
B/05	0.07	Cube	15,500.00	1,085.00
B/06	0.50	Sqr	11,500.00	5,750.00
B/07	56.00	Lft	210.00	11,760.00

B/08	Ditto- do lintels size 6" x 6" do	35.00 Lft	115.00	4,025.00
	Ditto do lintels size 4" x 4" do	22.00 Lft	100.00	2,200.00
	<u>Sawn form work</u>			
B/09	Sawn formwork in wall foundation	1.80 Sqr	2,800.00	5,040.00
B/10	Ditto do in column up to D.P.C. level	0.08 Sqr	2,800.00	224.00
B/11	Ditto do in columns from ground level to first floor level	0.30 Sqr	3,000.00	900.00
	<u>Reinforcement</u>			
	<u>Cold worked high yield steel bar reinforcement in column and wall foundation</u>			
B/12	3/8" dia in wall foundation	3.08 Cwt	2,200.00	6,776.00
B/13	3/8" dia in column up to D.P.C. level	0.15 Cwt	2,250.00	337.50
B/14	1/2" dia in column	0.25 Cwt	2,250.00	562.50
B/15	1/4" dia in column and wall foundation	0.89 Cwt	2,200.00	1,958.00
B/16	Ditto do 3" thick pad on 6" thick block wall with and including 2 No 3/8" dia tor steel and 1/4" dia m.s. stirrups at 9" centres	240.00 Lft	75.00	18,000.00
	Ditto do 3" thick pad on 4" thick wall	70.00 Lft	55.00	3,850.00
	Total carried to summary			104,197.50
C	<u>MASONRY WORK</u>			
	<u>Block work and Rubblework</u>			
C/01	6" thick block work in cement and sand 1:5 in wall in ground floor to roof level	20.65 Sqr	4,500.00	92,925.00
C/02	4" thick block work do	6.75 Sqr	3,350.00	22,612.50
C/03	4" thick block wall in cement and sand 1 : 5 under work top	0.50 Sqr	3,350.00	1,675.00
C/04	Rubble work in cement and sand 1:5 in wall foundation	15.50 Cube	5,600.00	86,800.00
C/05	Ditto do in rubble steps	4.00 Cube	5,600.00	22,400.00
C/06	3" thick brick paved ramp in cement and sand 1:8 on compacted earth in around the building	3.90 Sqr	1,650.00	6,435.00
	Total carried to summary			232,847.50
D	<u>ROOFCOVERING AND ROOF PLUMBING</u>			
D/01	Corrugated asbestos cement sheeting on and including class 1 timber wall plate, beam ridge plate, rafters and secondary purlins	16.73 Sqr	9,750.00	163,117.50
D/02	Calicut pattern ridge tiles joint and point in cement ,lime and sand 1:1:5	49.00 Lft	58.00	2,842.00

D/03	3 1/2" dia PVC rain water down pipe fixed to wall with and including PVC brackets at 2' 0" centres	75.00 Lft	65.00	4,875.00
D/04	Extra for elbow	12.00 No	75.00	900.00
D/05	Square type PVC eaves gutter fixed with and including gutter brackets at 2' 0" centres and gutter joints	86.00 Lft	75.00	6,450.00
D/06	Extra for end caps	12.00 No	50.00	600.00
D/07	Extra for running head to suit 3 1/2" dia down pipes	6.00 No	125.00	750.00
Total carried to summary				179,534.50

E CARPENTRY AND JOINERY

E/01	Door type D 1 size 3' 6" x 8' 6" high over all consisting of 4" x 3" class 1 timber door fram, 1 1/4 " thick flush panelled door sashes , trellies work at 7' 0" level and including one and half pair heavy quality brass oxidized hinges ,two no 12" and 6" barrel bolts, mortice lock with and including painting	1.00 No	13,350.00	13,350.00
E/02	Door type D 2 size 2' 9" x 7' 0" high over all consisting of 4" x3" class 1 timber door frame, 11/4 " thick Plywood door sash and including do	5.00 No	7,500.00	37,500.00
E/03	Door type D3 size 2' 3" x7' 0" high over all consisting of 4" x 2" class 1 timber door frame with 11/4" thick Marine Plywood door sash and including one and pair heavy quality brass oxidized butt hinges and two no 6" long barrel bolts with painting	2.00 No	7,000.00	14,000.00
E/04	Window type W 1 size 6' 0" x 8' 6" high over all consisting of 4" x 3" class 1 timber fram ,transome, mullions , 1" thick glazed 2 No casements with clear glass pans and 3 pair butt hinges ,2 No casements stays 2 No casements fastners , 4No 6" long barrel bolts and painting	3.00 No	20,250.00	60,750.00
E/05	Window type W 2 size 6' 0" x 5' 0" high do	4.00 No	13,500.00	54,000.00
E/06	Window type W 3 size 2' 3" x 5' 6" do	2.00 No	5,600.00	11,200.00
E/07	Window type W4 size 4' 0" x 5' 0" do	1.00 No	9,200.00	9,200.00
E/08	Fan light type F size 2' 3" x 3' 6 " do	2.00 No	2,600.00	5,200.00
E/09	9" x 3/4 " thick valance board fixed to rafters with painting	242.00 Lft	160.00	38,720.00
Total carried to summary				243,920.00

F PLUMBING AND DRAINAGE WORK
Cold water installation

(PVC pipe 1000)

F/01	1/2" dia PVC pipe chased / fixed wall and lay in trench	30.00 Lft	14.00	420.00
F/02	"Extra over "elbow	6.00 No	12.00	72.00
F/03	" Extra over " tee	2.00 No	13.00	26.00
F/04	"Extro over" valve socket	9.00 No	13.00	117.00
F/05	Extra over " faucet socket	5.00 No	14.00	70.00
F/06	3/4" dia PVC pipe lay in trench and chased on block wall	28.00 Lft	22.00	616.00
F/07	"Extra over ' elbow	2.00 No	15.00	30.00
F/08	"Extra over" tee	4.00 No	17.00	68.00
F/09	" Extra over" 3/4" - 1/2" reducing tee	1.00 No	22.00	22.00
F/10	"Extra over" 3/4" -1/2" reducing socket	1.00 No	13.00	13.00

Waste water installation

(PVC pipe type 400)

F/11	1 1/2 " pipe lay trench or chased in wall	16.00 No	30.00	480.00
F/12	"Extra over" tee	1.00 No	50.00	50.00
F/13	"Extra over" elbow	3.00 No	65.00	195.00

Soil and vent

(PVC pipe type 400)

F/14	4" dia pipe laid in trench including excavation	35.00 Lft	125.00	4,375.00
F/15	Ditto do fixed to wall	nil Lft	115.00	
F/16	"Extra over" elbow	1.00 No	350.00	350.00

Ancillaries

All fitting are approved type brass chromium plated as per specifications

F/17	Shower rose	1.00 No	40.00	40.00
F/18	1/2" dia bib tap	3.00 No	360.00	1,080.00
F/19	1/2" dia stop tap	3.00 No	300.00	900.00
F/20	3/4" dia stop tap	6.00 No	400.00	2,400.00
F/21	Low level water closet with and including " P" or " S " trap and low level flushing cistern including all accessories	2.00 No	5,500.00	11,000.00
F/22	Approved type pedestal wash basin with			

	tap and including all accessories	1.00 No	3,000.00	3,000.00
F/23	Waste water man holesize 1' 6" x 1' 6" x1' 6" deep mass concrete base and 9" thick brick wall,3/4" thick plaster and 2" thick cover slab	1.00 No	4,500.00	4,500.00
F/24	Sewer man hole size 2' 0" x 2' 0" x 2' 0" deep	2.00 No	6,000.00	12,000.00
F/25	Allow for construction of septic tank	Item		35,000.00
	Total carried to summary			76,824.00

G WALL FINISHERS, PAVING AND TILING

G/01	3/4" thick cement lime and sand (1:1:5) plaster finished smooth with neat lime internally in ground floor	26.25 Sqr	1,950.00	51,187.50
G/02	3/4 " thick cement lime and sand (1:1:5) finished semi rough in external wall up roof level	17.10 Sqr	1,750.00	29,925.00
G/03	3/4" thick cement and sand (1: 3) plinth plaster finished smooth with neat cement	3.20 Sqr	1,700.00	5,440.00
G/04	1/2" thick cement rendering in cement and sand 1:5 finished smooth with neat cement in ground floor	10.25 Sqr	1,550.00	15,887.50
G/05	4" high cement rendered skirting including forming rounded edges and cove at bottom	325.00 lft	17.00	5,525.00
G/06	6" x 6" ceramic wall tiling on and 1/2" thick cement and sand 1:3 screeded backing including joint and point in coloured cement	0.65 Sqr	10,500.00	6,825.00
G/07	Ditto on work top	0.50 Sqr	10,100.00	5,050.00
G/08	8" x 8" non slip ceramic floor tiling on and do	0.50 Sqr	12,500.00	6,250.00
G/09	8" x 8" pressed cement tile flooring do	0.35 Sqr	9,500.00	3,325.00
	Total carried to summary			129,415.00

H PAINTING

H/01	Prepare and apply one coat of filler and two coats of emulsion on internal wall in ground floor	26.25 Sqr	1,100.00	28,875.00
H/02	Ditto do weather shield paint on external wall	17.15 Sqr	1,250.00	21,437.50
	Total carried to summary			50,312.50

J ELECTRICAL INSTALLATION

J/01	Supplied and fixed wall bracket with wiring	18.00 No	1,200.00	21,600.00
J/02	Do pendent lamp	12.00 No	1,100.00	13,200.00
J/03	Do 13 Amp socket outlets	2.00 No	1,350.00	2,700.00

J/04	Do 5 Amp do	10.00 No	1,150.00	11,500.00
J/05	Consumer unit 4 way SPN complete unit with 30 A isolator with circuit breaker	1.00 No	4,500.00	4,500.00
J/06	2" dia G.I. Earth pipe	1.00 No	1,100.00	1,100.00
Total carried to summary				54,600.00

K METAL WORK

K/01	1" X 1 " steel square tube vertical and 3/4" x3/4" square tube in other members with 3" x 1" timber handrail . (Rate to include for welding cost, painting)	18.00 Lft	225.00	4,050.00
Total carried to summary				4,050.00

Bill of Quantities for the Proposed House Plan Type - L
SUMMARY

A	Excavation and Earth Work			39,837.50
B	Concrete Work			104,197.50
C	Masonry Work			232,847.00
D	Roof covering & Roof Plumbing			179,534.50
E	Carpentry and Joinery			243,920.00
F	Plumbing and Drainage Work			76,824.00
G	Wall Finishes, Paving and Tiling			129,415.00
H	Painting			50,312.50
J	Electrical Installations			54,600.00
K	Metal work			4,050.00
Total				1,115,538.00