

## Bill of Quantities for the Proposed House Plan Type - V

Date : April 2000

	<u>Qty</u>	<u>Unit</u>	<u>Rate (Rs.)</u>	<u>Amount (Rs.)</u>
<b>A <u>EXCAVATION AND EARTH WORK</u></b>				
<b><u>Site Preparation</u></b>				
A/01				
		Item		4,500.00
<b><u>Excavation</u></b>				
A/02	6.00	Cube	500.00	3,000.00
A/03	1.90	Cube	500.00	950.00
A/04	9.90	Sqr	750.00	7,425.00
A/05	0.75	Sqr	250.00	187.50
A/06	3.15	Sqr	1,700.00	5,355.00
<b>Total carried to summary</b>				<b>21,417.50</b>
<b>B <u>CONCRETE WORK</u></b>				
<b><u>Plain concrete</u></b>				
B/01	4.00	Sqr	2,050.00	8,200.00
B/02	0.65	Sqr	2,050.00	1,332.50
B/03	10.50	Sqr	3,000.00	31,500.00
<b><u>Reinforced concrete</u></b>				
B/04	1.35	Cube	15,000.00	20,250.00
B/05	0.30	Cube	15,000.00	4,500.00
B/06	0.30	Cube	15,000.00	4,500.00
B/07	0.50	Cube	15,250.00	7,625.00
B/08	0.11	Cube	15,250.00	1,677.50
B/09	0.60	cube	15,250.00	9,150.00

B/10	4 1/2" thick reinforced cement concrete 1:2:4 (3/4") first floor slab with and including reinforcement and for work	8.75 Sqr	13,500.00	118,125.00
B/11	3" thick reinforced cement concrete 1:2:4 (3/4) work top with and including form work and reinforcement	0.65 Sqr	11,500.00	7,475.00
B/12	Reinforced cement concrete 1.2.4. (3/4") beam size 12" x 18" with and including 4 No 3/4" dia tor steel bars and 1/4" dia m.s. bars at 6" centers and necessary form work	35.00 Lft	475.00	16,625.00
B/13	Reinforced cement concrete 1.2.4. (3/4") beam size 9" x 12" with and including 4 No 3/4" dia tor steel bars and 1/4" dia m.s. bars at 6" centers and necessary form work	60.00 Lft	275.00	16,500.00
B/14	Reinforced cement concrete 1.2.4.(3/4") lintols size 6" x 9" with and including 4 No 1/2" dia tor steel bars and 1/4" dia mild steel stirrups at 6" centres with and including necessary form work	128.00 Lft	210.00	26,880.00
B/15	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. strupples at 9" centres	280.00 Lft	75.00	21,000.00

#### **Form Work**

B/16	Sawn formwork in wall foundation	1.75 Sqr	3,000.00	5,250.00
B/17	Ditto do in column foundation up to D.P.C. level	0.70 Sqr	3,000.00	2,100.00
B/18	Ditto do from ground floor to first floor level	1.90 Sqr	3,100.00	5,890.00
B/19	Ditto do ground floor to roof level	2.50 Sqr	3,150.00	7,875.00
B/20	Ditto in stair case foundation	0.25 Sqr	3,000.00	750.00
B/21	Ditto in side and soffit of stair case	1.05 Sqr	3,150.00	3,307.50
B/22	Ditto in soffit of slab	8.10 Sqr	3,150.00	25,515.00

#### **Reinforcement**

B/23	1/2" dia tor steel in column foundation	0.60 Cwt	2,200.00	1,320.00
B/24	3/8" dia tor steel in wall foundation	3.05 Cwt	2,200.00	6,710.00
B/25	Ditto do in column foundation	1.10 Cwt	2,200.00	2,420.00
B/26	1/4" dia tor steel in wall and column foundation	0.95 Cwt	2,200.00	2,090.00
B/27	1/2" dia tor steel in column up to first floor level	1.35 Cwt	2,200.00	2,970.00
B/28	Ditto from first floor to roof level	1.75 Cwt	2,200.00	3,850.00
B/29	Ditto in stair case	1.75 cwt	2,200.00	3,850.00

B/30	1/4" dia in column	1.35 cwt	2,200.00	2,970.00
<b>Total carried to summary</b>				<b>372,207.50</b>

**C MASONRY WORK**

**Block work**

C/01	6" thick block work in cement and sand 1:5 in ground floor	18.50 Sqr	4,500.00	83,250.00
C/02	Ditto do in upper floor	17.65 Sqr	4,600.00	81,190.00
C/03	Rubble work in cement and sand 1:5 in wall foundation	6.65 Cube	5,600.00	37,240.00
C/04	3" thick brick paved pavement in cement and sand 1:8 on compacted earth	3.25 Sqr	1,650.00	5,362.50
<b>Total carried to summary</b>				<b>207,042.50</b>

**D ROOF COVERING AND ROOF PLUMBING**

D/01	Corrugated asbestos cement sheeting on and including class 1 timber wall plate, beam ridge plate, rafters and secondary purlins in lower roof	6.10 Sqr	9,750.00	59,475.00
D/02	Ditto do in upper roof	11.90 Sqr	9,950.00	118,405.00
D/03	Calicut pattern ridge tiles joint and point in cement ,lime and sand 1:1:5	16.50 Lft	58.00	957.00
D/04	Ditto do in upper roof	46.00 Lft	75.00	3,450.00
D/05	3 1/2" dia PVC rain water down pipe fixed to wall with and including PVC brackets at 2' 0" centres in lower roof	35.00 Lft	65.00	2,275.00
D/06	Ditto do in upper roof	145.00 Lft	75.00	10,875.00
D/07	Extra for elbow	16.00 No	75.00	1,200.00
D/08	Square type PVC eaves gutter fixed with and including gutter bracters at 2' 0" centres and gutter joints in lower roof	33.00 Lft	75.00	2,475.00
D/09	Ditto do in upper roof	74.00	80.00	5,920.00
D/10	Extra for end caps	10.00 No	50.00	500.00
D/11	Extra for running head to suit 3 1/2" dia down pipes	8.00 No	125.00	1,000.00
<b>Total carried to summary</b>				<b>206,532.00</b>

**E CARPENTRY AND JOINERY**

E/01	Door type D 1 size 4' 0" x 8' 6" high over all consisting of 4" x 3" class 1 timber door fram, 1 1/4 " thick flush paneled door sashes , trellies work at 7' 0" level and including
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	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	15,500.00	15,500.00
E/02	Door type D 2 size 3' 0" x 7' 0" high over all consisting of 4" x3" class 1 timber door fram, 11/4 " thick Plywood door sash and including	10.00 No	8,000.00	80,000.00
E/03	Door type D3 size 2' 9" x7' 0" high over all consisting of 4" x 2" class 1 timber door fram 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	3.00 No	7,500.00	22,500.00
E/04	Window type W1 size 5' 6" x 8' 6" high over all consisting of 4" x 3" class 1 timber fram ,transome, mullions , 1" thick glazed 3 No casements with clear glass pans and 4 1/2 pair butt hinges ,3 No casements stays 3 No casements fasteners , 6No 6" long barrel bolts and painting	2.00 No	29,500.00	59,000.00
E/05	Window type W 2 size 5' 6" x 5' 0" high do	5.00 No	10,100.00	50,500.00
E/06	Window type W3 size 5' 6" x 5' 6"	1.00 no	9,950.00	9,950.00
E/07	Window type W4 size 4' 0" x 5' 6"	2.00 No	9,000.00	18,000.00
E/08	Fan light size 3' 0" x 3' 6" high do	3.00 No	4,250.00	12,750.00
E/09	Timber garage door size 12' 0" x 8' 6" as per drawing	1.00 No	20,100.00	20,100.00
E/10	9" x 3/4 " thick valance board fixed to rafters with painting in lower roof	80.00 Lft	160.00	12,800.00
E/11	Ditto do in upper roof	155.00 Lft	175.00	27,125.00
	<b>Total carried to summary</b>			<b>328,225.00</b>

## **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	65.00 Lft	14.00	910.00
F/02	"Extra over "elbow	12.00 No	12.00	144.00
F/03	" Extra over " tee	6.00 No	13.00	78.00
F/04	"Extra over" value socket	5.00 No	13.00	65.00
F/05	Extra over " fouct socket	5.00 No	14.00	70.00
F/06	3/4" dia PVC pipe lay in trench and chased on block wall	46.00 Lft	22.00	1,012.00
F/07	"Extra over ' elbow	4.00 No	15.00	60.00

F/08	"Extra over" tee	6.00 No	17.00	102.00
F/09	" Extra over" 3/4" - 1/2" reducing tee	4.00 No	22.00	88.00
F/10	"Extra over" 3/4" -1/2" reducing socket	4.00 No	13.00	52.00

**Waste water installation**

( PVC pipe type 400 )

F/11	1 1/2 " pipe lay trench or chased in wall	43.00 No	30.00	1,290.00
F/12	"Extra over" tee	4.00 No	50.00	200.00
F/13	"Extra over" elbow	8.00 No	65.00	520.00

**Soil and vent**

(PVC pipe type 400)

F/14	4" dia pipe laid in trench including excavation	50.00 Lft	125.00	6,250.00
F/15	"Extra over" elbow	3.00 No	350.00	1,050.00

**Ancillaries**

All fitting are approved type brass chromium plated as per specifications

F/16	Shower rose	3.00 No	400.00	1,200.00
F/17	1/2" dia bib tap	6.00 No	369.00	2,214.00
F/18	1/2" dia stop tap	8.00 No	300.00	2,400.00
F/19	3/4" dia stop tap	5.00 No	400.00	2,000.00
F/20	Low level water closet with and including " P" or " S " trap and low level flushing cistern including all accessories	3.00 No	5,500.00	16,500.00
F/21	Approved type pedestal wash basin with tap and including all accessories	3.00 No	3,000.00	9,000.00
F/22	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	2.00 No	4,500.00	9,000.00
F/23	Sewer man hole size 2' 0" x 2' 0" x 2' 0" deep	4.00 No	6,000.00	24,000.00
F/24	Allow for construction of septic tank	Item		35,000.00

**Total carried to summary**

**113,205.00**

**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	24.15 Sqr	1,950.00	47,092.50
G/02	Ditto do in upper floor	19.75 Sqr	2,050.00	40,487.50

G/03	1/2" thick cement, lime and sand 1:1:5 in sides and soffit of beam and slab	8.15 Sqr	2,200.00	17,930.00
G/04	Ditto soffit of stair case	1.30 Sqr	2,200.00	2,860.00
G/05	3/4 " thick cement lime and sand (1:1:5) finished semi rough in external wall up to 10' 0" high	11.25 Sqr	1,750.00	19,687.50
G/06	Ditto from 10' 0" to roof level	9.55 Sqr	1,850.00	17,667.50
G/07	3/4" thick cement and sand ( 1: 3) plinth plaster finished smooth with neat cement	2.15 Sqr	1,650.00	3,547.50
G/08	1/2" thick cement rendering in cement and sand 1:5 finished smooth with neat cement in ground floor	7.95 Sqr	1,550.00	12,322.50
G/09	Ditto upper floor	6.00 Sqr	1,650.00	47,092.50
G/10	1/2" thick cement and sand 1:5 rendering finished seme rough in garage	2.15 Sqr	1,550.00	3,332.50
G/11	4" high cement rendered skirting including forming roundededges and cove at bottom	415.00 lft	17.00	7,055.00
G/12	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	3.00 Sqr	10,500.00	31,500.00
G/13	8" x 8" non slip ceramic floor tiling on and do	1.10 Sqr	12,500.00	13,750.00
G/14	8" x 8" pressed cement tile flooring do	0.50 Sqr	9,500.00	4,750.00
<b>Total carried to summary</b>				<b>269,075.00</b>

## **H PAINTING**

H/01	Prepare and apply one coat of filler and two coats of emulsion on internal wall	24.15 Sqr	1,100.00	26,565.00
H/02	Ditto in upper floor	19.75 Sqr	1,150.00	22,712.50
H/03	Ditto do sides and soffit of beams , slab and stair case	9.45 Sqr	1,200.00	11,340.00
H/04	Prepare and apply one coat of filler and two coats of weather sheld paint in external wall	20.80 Sqr	1,250.00	26,000.00
<b>Total carried to summary</b>				<b>86,617.50</b>

## **J ELECTRICAL INSTALLATION**

J/01	Supplied and fixed wall bracket with wiring	20.00 No	1,200.00	24,000.00
J/02	Do pendet lamp	8.00 No	1,100.00	8,800.00
J/03	Do 13 Amp socket outlets	3.00 No	1,350.00	4,050.00
J/04	Do 5 Amp do	16.00 No	1,150.00	18,400.00

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
<b>Total carried to summary</b>				<b>60,850.00</b>

**K Metal work**

K/01	3 ' 0" high square tube handrail as per drawing	45.00 Lft	225.00	10,125.00
<b>Total carried to summary</b>				<b>10,125.00</b>

**Bill of Quantities for the Proposed House Plan Type - V**

**SUMMARY**

A	Excavation and Earth Work			21,417.50
B	Concrete Work			372,207.50
C	Masonry Work			207,042.50
D	Roof covering Roof Plumbing			206,532.00
E	Carpentry and Joinery			328,225.00
F	Plumbing and Drainage Work			113,205.00
G	Wall Finishers, Paving and Tiling			269,075.00
H	Painting			86,617.50
J	Electrical Installations			60,850.00
K	Metal work			10,125.00
<b>Total</b>				<b>1,675,297.00</b>