

का नाम:- वामनराव लाखे वार्ड क. 66 जोन क. 05, सामुदायिक भवन निर्माण प्रथम तल हेतु ,आदिवासी कालोनी, कुशालपुर, न.पा.नि. रायपुर।

[As per P.W.D. - Building S.O.R. In Force From 1 Jan 2015]

S/N	PARTICULAR'S	NOS.	LENGT H	WIDTH	DEPTH	QUANTIT Y	RATE	UNIT	AMOUNT
1	Excavation for all types and sizes of foundation, trenches and drains or for any other purpos including disposal of excavated stuff upto 1.5 m lift and upto 50 m (at least 5m away from the excavated area), including dressing and leveling of pits. Page No.9,Item No.1.1(i) In all types of soil	13	1.50	1.50	1.50	43.88			
16	For wall	10	2.55	0.40	0.20	2.04			
	For Step	1	1.70	1.00	0.20	0.34			
						<u>46.26</u>	185.00	Per/Cu m.	8557.1
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation,plinth and at ground level excluding cost of form work. Page No.23,Item No.3.1.2(ii) 1:4:8 (1 cement :4 coarse sand :8 graded stone	13	1.50	1.50	0.10	2.93			
	For wall	10	2.55	0.40	0.10	1.02			
	For Step	1	1.70	1.00	0.10	0.17			
						<u>4.12</u>	2659.00	Per Cum.	1094
	(iii)1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40mm nominal size). Page No.23,Item No.3.1.3 In floor	1	12.00	6.00	0.10	7.20			
						<u>7.20</u>	2970.00	Per Cum.	21
3	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all work upto floor five level excluding cost of reinforcement and form work. Page No.23,Item No.3.4(ii) 1:1½:3 (1 cement : 1½ coarse sand :3 graded stone aggregate 20mm nominal size). Page No.23,Item No.3.2 Footing	13	1.30	1.30	0.15	3.30			
		13	1.00	1.00	0.20	2.60			
						<u>5.90</u>			

Column upto P.L.

13	0.20	0.30	1.85	1.44
				<u>1.44</u>

Beam-ground beam

16	2.80	0.20	0.30	2.69
				<u>2.69</u>
				<u>10.03</u>

4163.00 Per Cum 41740.32

Extra for laying PCC/ RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth. **Page**

4163 + 97.5 = 4260.5

Column Above P.L.

13	0.20	0.30	3.30	2.57
				<u>2.57</u>

Lintel beam

16	3.00	0.20	0.20	1.92
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Slab beam

16	3.00	0.30	0.30	4.32
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3	5.60	0.30	0.50	2.52
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				<u>8.76</u>
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Slab

1	12.60	6.60	0.10	8.32
				<u>8.32</u>

4260.50 Per Cum 83710.8

19.65

- 4 Providing and placing in position reinforcement for R.C.C work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation & plinth all complete:thermo Mechanically treated steel bars FE 415 **Page**

No.24, Item No.3.12.1

(a) Footing taking

75.00

kg/Cum 5.90

442.16

(b) Column taking

100.00

kg/Cum 4.02

401.70

(c) Beam taking

120.00

kg/Cum 11.45

1373.76

(d) Slab taking

100.00

kg/Cum 8.32

831.60

3049.22

54.50 Per Kg. 166

- 5 Providing and fixing formwork including,shuttering,strutting,staging, propping bracing etc. complete and including its removal at levels, for: **Page No.16,Item**

No.2.1 (i)Foundation, footings, bass of columns and plinth beam

in any. Shape and size

Footing

15 x 4 1.00

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0.20 12.00

Column

15 x 2 0.20

--

1.70 10.20

Beam-ground beam

15 x 2 0.30

--

1.70 15.30

16 x 2 3.00

--

0.30 28.80

Beam-ground beam

66.30

139.00 Per Sqm.

(v) Columns pillars Piers and like rectangular or square in shape

15	x	2	0.20	3.30	19.80		
15	x	2	0.30	3.30	29.70		
					<u>49.50</u>	297.00	Per Sqm 14701.50

(vi) Columns beams & walls circular or any other geometrical shape other than square rectangular in all sizes bottom door

Window	1		1.10	0.20	0.22		
Chape	2		1.50	0.20	0.30		
	2		1.50	0.60	2.70		
Side	1		1.50	0.60	0.90		
	1	x	2	1.50	0.20	0.60	
	2	x	2	1.50	0.20	1.00	
Chape Side	6	x	2	0.60	0.30	0.50	
Slab beam	10	x	2	3.30	0.20	35.10	
	2	x	2	6.20	0.60	18.60	
	1	x	2	6.60	0.20	1.32	
					<u>62.24</u>	302.00	Per Sqm 12773.67

(vii) Stairs/escalator floors, walls, access platform, bathroom (plaster surfaces) and staircase (wall in bottom)

	1		1.40	1.20	1.25.20		
	10		1.50	0.45	6.75		
	2		1.50	0.45	1.35		
					<u>1.35</u>	335.00	Per Sqm 31502.1

(8) Brick work with modular well burnt clay bricks of crushing strength not less than 25 kg/sqcm and water absorption not more than 20% foundation and plinth in page no. 44 Item No. 7.2.2 Cement Mortar 1:6

For steps

10		2.50	0.20	0.45	2.50		
6		2.50	0.20	0.45	1.51		
1		1.50	1.20	0.15	0.27		
1		1.50	0.60	0.15	0.20		
1		1.50	0.60	0.15	0.14		
1		1.50	0.20	0.15	0.27		
					<u>4.48</u>	26.25.00	Per Cum 148

Extra for brick work in superstructure Page No. 42

Item No. 7.6 Above plinth level for every floor or part thereof in addition to rate for foundation and plinth Super structure

(3635.00 - 121.00) = 3756

Parapet wall

10		2.50	0.20	1.20	16.32		
6		2.50	0.20	1.20	10.75		
2		16.80	0.20	0.75	5.04		

Deduction

2	6.60	0.20	0.75	<u>1.98</u> <u>34.09</u>			
10	1.50	0.20	1.40	<u>4.20</u>			
3	1.10	0.20	2.30	<u>1.52</u> <u>5.72</u> <u>28.37</u>	3756.00	Per Cum.	106572.74

7 Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete in all works upto floor five level excluding cost of form work.

(a) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).
coping

2	12.00	0.10	0.05	<u>0.12</u> <u>1.20</u>			
2	6.00	0.10	0.05	<u>1.32</u>	4073.00	Per Cum.	5376.36

8 Providing & making 15 mm thick cement plaster on the rough of side of single or half brick wall of mix: **Page No.103,Item No.11.3.4**
(iv) In Cement mortar 1:6 (1 Cement : 6 fine sand)

Parapet wall

2	12.00		3.30	79.20			
2	6.00		3.30	39.60			
2	12.60	--	0.80	20.16			
2	6.60	--	0.80	<u>10.56</u>	107.00	Per Sqm.	3287.04
				<u>30.72</u>			

(b) Providing & making 12 mm thick cement plaster of mix: **Page No.103,Item No.11.2.4**

(iv) In Cement mortar 1:6 (1 Cement : 6 fine sand)
Inner side below plinth

Abpve plinth

2	12.00	--	3.30	79.20			
2	6.00	--	3.30	39.60			
2	16.80	--	0.80	26.88			
2	6.60	--	0.80	<u>10.56</u>			
				<u>156.24</u>			

Deduction due to
Door opening
Window opening

10	1.10	-	2.10	23.10			
3	1.50	--	1.20	<u>5.40</u> <u>28.50</u>			
				<u>127.74</u>	91.50	Per Sqm.	11688.2

9 Structural steel work rivered or bolted or welded in built -up sections ,trusses and frames

work upto a height of 5m above
 with level, including
 cutting, hoisting, fixing in position
 and applying a priming coat of red
 oxide zinc chromate primer.
 (a) For door frame
 (b) Window grill

3	4.20 R M	3.0Kg	12.60		
10	1.50	1.20	18.00		
Weight @ 25Kg/Sqm			18.00	450.00	
				<u>462.60</u>	67.50 Per Kg 31225.50

10 Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS:733, IS:1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS:1868, minimum anodic coating shall be of grade AC-15 (Glazing and paneling to be paid for separately. **Page No.85, Item No.9.47** For shutter of doors, windows & ventilators, including providing and fixing provision for fixing of fitting wherever required including the cost of PVC/neoprene gasket required (Fittings shall be paid for 20 kg/sqm

3	1.50	1.20	--	<u>5.40</u>	338.00	Per	27378.00
15	5.40			<u>81.00</u>		Sqm.	

Providing and fixing glazing in aluminium door, window ventilator shutters and partitions etc. with PVC neoprene gasket etc. complete (Cost of aluminium snap beading shall be paid in basic item): **Page No.85, Item No.9.51** With float glass panes of 6 mm thickness **Page**

				<u>0.54</u>	804.00	Per	434.16
	<u>0.54</u>	Sqm				Sqm.	

(b) putty 75% of window area

11 Providing and fixing steel door/window with M.S. sheet 1 mm

ick frame of angle iron ,
diagonal braces of angle /flat iron
of suitable size , 3.00 mm M.S.
gusset plates at junctions and
corners, all necessary fittings
complete including applying a
priming coat of red oxide zinc
chromate primer. **Page**
Steel Door

10	35 kg/sqm	3	1.10	--	2.10	6.93			
		10	1.50		1.40	21.00			
		25	27.93			<u>27.93</u>			
						<u>698.25</u>	75.00	Per Kg	52368.75
12	Painting on new work (two or more coats) to give an even shade with: Page No.134, Item No.14.22.2 (ii) Premium synthetic Same as Qty of item no-13	3	1.10	2.10		6.93			
		10	1.50	1.40		21.00			
						<u>27.93</u>	47.00	Per Sqm.	1312.71
13	Distempering with acrylic washable disemper to give an even shade. Page No.132, Item No.14.9 (i) On new work (two or more coats)								
	Qty of Plaster 12mm & 6mm					<u>30.72</u>	38.00	Per Sqm.	1167.36
14	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacture's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: Page No.133, Item No.14.17(1) On new work (two or more coats applied @ 3.28 ltr / 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
	Qty of Plaster 15mm					<u>30.72</u>	74.50	Per Sqm.	2288.64
15	Providing and filling in plinth with sand/Crusher dust and hard moorum under floor in layers not exceeding 20 Cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Page No.11, Item No.1.18	1	16.80	6.60	0.65	<u>72.072</u>			
						<u>72.07</u>	371.00	Per Cum.	26738.71
16	Providing and laying vitrified floor tiles with double charge/ multi								

... printing with water
 ... orption less than 0.5% and
 conforming to IS : 15622 of
 approved make in all colours and
 shades and size mentioned below
 (+/-10mm), laid on 20mm thick
 cement mortar 1:4 (1 cement :4
 coarse sand) including grouting
 the joints with white cement and
 matching pigments etc. complete:
 (i)Size 600x600mm. Page
 No.1126,Item No.12.13.1

1	16.20	6.20	--	100.44			
13	44.80	0.15	--	87.36			
				187.80			
skirting					1151.00	Per Sqm.	216157.80
				187.80			
							903006.58
Add LUMP SUMP or electrification and sanitary works							82000.00
R.W.H							15000.00
							1000006.58

SAY RS. 10.00 LACS

T.S. No. 317 Date 21/08/24
 Technically Sanctioned for Rs. 10.00 lacs
 Rupees Ten lacs only