

**OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING BOARD,  
DIVISION - BILASPUR (C.G.)  
ESTIMATE FOR SUPPLY AND INSTALLATION OF LED STREET LIGHT WITH OCTAGONAL POLE  
20 NOS. AT MANDI YARD SAKTI, A.P.M.C. - SAKTI, DISTRICT - SAKTI (C.G.)**

**SCHEDULE OF RATES FOLLOWS :**

**C.G.P.W.D. ELECTRICAL WORKS S.O.R. WITH EFFECT FROM DATE 01.07.2015**

S.No.	S.O.R. Item No.	Description	Quantity	Unit	Rate	Amount
[01]	8.30	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer.				
	8.30.3	60 watt	20	Each	10115.00	202300.00
[02]	9.2	Supplying and fixing wall mounted metal board of welded construction, fabricated with minimum 35 mm X 35 mm X 6 mm angle iron frame work, with 25 mm X 6 mm flat iron as intermediate members including painting etc. as required.	1	Sqm	2730.00	2730.00
[03]	9.8	Supplying and fixing metal clad busbar chamber made of 1.6 mm thick CRCA sheet with 4 strip copper busbars of following capacity and length, complete with all accessories, including earthing the body etc. as required				
	9.8.2	100 amps x 450mm long	2	Each	2438.00	4876.00
[04]	9.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wirable fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				
	9.10.3	100 amps	1	Each	3306.00	3306.00
[05]	9.11	Providing and fixing porcelain re-wirable fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as required. (Thimbeling shall be paid separately)				
	9.11.4	100 amps	4	Each	275.00	1100.00
[06]	11.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	11.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	2	Each	3898.00	7796.00
[07]	11.5	Supplying and fixing on surface/ recess vertical type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, with 200 amps tinned copper busbar, common neutral link, earth bar, din bar, detachable gland/ knock out plate, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator) (Note : Vertical type MCB TPDB is normally used where 3 phase				
	11.5.1	4 way (4 + 12), Single door	2	Each	3853.00	7706.00
[08]	11.10	Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required				

S.No.	S.O.R. Item No.	Description	Quantity	Unit	Rate	Amount
	11.10.1	6 amps to 32 amps				
[09]	14.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	40	Each	154.00	6160.00
[10]	14.13	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as required.	20	Set	3454.00	69080.00
[11]	17.1	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of	200	Metre	38.00	7600.00
	17.1.23	4 x 16 sq. mm.	600	Metre	291.00	174600.00
	17.1.24	4 x 25 sq. mm.	600	Metre	326.00	195600.00
[12]	17.8	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, unarmoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as required.				
	17.8.2	2 x 6 sq. mm	600	Metre	79.00	47400.00
[13]	17.28	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as required.				
	17.28.3	16 sq. mm	600	Each	13.00	7800.00
	17.28.4	25 sq. mm	20	Each	13.50	270.00
[14]	21.7	Supply of hot dipped galvanized (in single dip to average 65 micron) octagonal pole made of 3mm thick steel sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications including 3mm thick anchor plate, 4 nos 20mm dia foundation bolts of EN8 grade. (designed for wind speed upto 150km/hr)				
	21.7.2	7 metre high, dia 130mm at bottom and 70mm at top, base plate size 220x220x12mm, foundation bolts 700mm long	20	Each	10273.00	205460.00
[15]	21.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer				
	21.9.2	Single Over Hang 1.00 metre Long	20	Each	1030.00	20600.00
[16]	21.11	Erection of GI octagonal/ tubular pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as required				
	21.11.5	7 metre high	20	Each	756.00	15120.00



S.No.	S.O.R. Item No.	Description	Quantity	Unit	Rate	Amount
[17]	21.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement (minimum 90kg per cum), form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc.	20	Cum	4906.00	98120.00
[18]	32.1	Earth work in all type soil except soft rock / hard rock with all lead and 1.5 metre lift, dressing, stacking excavated strata including refilling of excavated soil in trench / pit to ground level complete as required	20	Cum	163.00	3260.00
[19]	26.6	Supplying and fixing following dia HDPE pipe PE-80 Grade (8kg/sqcm) in single length in the suction/ delivery line of water supply pump etc. as required				
	26.6.3	63 mm outer dia	600	Metre	198.00	118800.00
		<b>Total Rs</b>				<b>1199684.00</b>
		<b>Add 3% for Contingency Charge Rs</b>				<b>35990.00</b>
		<b>Total Rs</b>				<b>1235674.00</b>
		<b>Say RS</b>				<b>1236000.00</b>
<b>( RUPEES : TWELVE LAKHS THIRTY SIX THOUSAND ONLY )</b>						

Amitesh  
Sub-Engineer

उप अभियंता  
छ.ग. राज्य कृषि विपणन बोर्ड  
बिलासपुर (छ.ग.)

A.G.  
18/11/2026

सहायक अभियंता  
छ.ग. राज्य कृषि विपणन बोर्ड  
बिलासपुर (छ.ग.)

N.Sah

कार्यपालन अभियंता  
छ.ग. राज्य कृषि विपणन बोर्ड  
बिलासपुर (छ.ग.)

तकनीकी स्वीकृति  
कार्य का नाम सिलिंडर वाजवा सेन्ट्रल सिस्टम का कार्य  
कनु क्रमांक 26 दिनांक 13/02/2026  
कम्पे 12.36 लाख रुपये में द्वारद्वारा  
प्रदान की जाती है।  
N.Sah  
कार्यपालन अभियंता  
छ.ग. राज्य कृषि विपणन बोर्ड  
बिलासपुर (छ.ग.)

**OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING BOARD BILASPUR (C.G.)**  
**DETAIL'S ESTIMATE FOR BOUNDARY WALL & MAIN GATE IN PADDY PURCHASING CENTER - SONTHI,**  
**A.P.M.C. AREA-SAKTI, DISTRICT-SAKTI (C.G.)**

**SCHEDULE OF RATES FOLLOWS :**

**C.G.P.W.D. BUILDING WORKS S.O.R. WITH EFFECT FROM DATE 01.01.2015**

S.No.	Particulars Item of work	No.	Measuments			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[09]	[10]	[11]
<b>A. BOUNDARY WALL</b>										
[01]	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.In all types of soils.									
	Building Work S.O.R. Item No. 1.1.1									
	Column Foundation	6	1.50	1.50	1.50	20.25	Cum	185.00	/Cum	3746.00
[02]	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
	Building Work S.O.R. Item No. 3.1.3									
	Column Foundation	6	1.50	1.50	0.15	2.03	Cum	2970.00	/Cum	6029.00
[03]	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	Building Work S.O.R. Item No. 3.2.1									
	Column Footing	6	1.20	1.20	0.20	1.73	Cum			
		6	$0.3/3[(1.20 \times 1.20) + (0.35 \times 0.35) + \text{Square root of } (1.44 \times 0.1225)]$			1.19	Cum			
	Column upto G.B.L.	6	0.20	0.30	0.95	0.34	Cum			
	Ground Beam	1	16.20	0.30	0.30	1.46	Cum			
	Column above G.B..	6	0.20	0.30	1.50	0.54	Cum			
	Top Beam	1	16.20	0.30	0.15	0.73	Cum			
					<b>Total</b>	<b>5.99</b>	<b>Cum</b>	<b>4163.00</b>	<b>/Cum</b>	<b>24936.00</b>
[04]	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawingsincluding cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415									
	Building Work S.O.R. Item No. 3.12.1									
	Qty.taken From Item No.3	1x5.99 M³x100.00Kg/ M³				599.00	Kg	54.50	/Kg	32645.00
[05]	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:									



S.No.	Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
	(a) Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Building Work S.O.R. Item No. 2.1.1									
	Column Footing	6x4	1.20	-	0.20	5.76	Sqm			
	Ground Beam	1x2	16.20	-	0.30	9.72	Sqm			
		2x1	0.30	-	0.30	0.18	Sqm			
	Column upto G.B.L.	6x2	(0.20+0.30)		0.95	5.70	Sqm			
					Total	21.36	Sqm	139.00	/Sqm	2969.00
	(b) Columns, Pillars, Piers and likes-rectangular or square in shape									
	Building Work S.O.R. Item No. 2.1.5									
	Column above G.B.	6x2	(0.20+0.30)		1.50	9.00	Sqm	297.00	/Sqm	2673.00
	(c) Beams, lintels, cantilevers & walls									
	Building Work S.O.R. Item No. 2.1.8									
	Top Beam	1x2	16.20	-	0.15	4.86	Sqm			
		5x2	3.00	0.05	-	1.50	Sqm			
		2x1	0.30	-	0.15	0.09	Sqm			
					Total	6.45	Sqm	202.00	/Sqm	1303.00
[06]	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.									
	Building Work S.O.R. Item No. 1.18									
	Back Filling of Foundation									
	Total Qty. of Excavation	1	-	-	-	20.25	Cum			
	Deduction of Qty. P.C.C.	1	-	-	-	-2.03	Cum			
	Deduction of Qty. R.C.C.	1	-	-	-	-3.26	Cum			
					Total	14.96	Cum	371.00	/Cum	5550.00
[07]	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in : Cement Mortar 1:6 (1 cement : 6 coarse sand)									
	Building Work S.O.R. Item No. 7.5.4									
	Below Ground Beam	5x1	3.00	0.30	0.10	0.45	Cum			
	Above Ground Beam	5x1	3.00	0.20	1.50	4.50	Cum			
					Total	4.95	Cum	3263.00	/Cum	16152.00
[08]	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand).									
	Building Work S.O.R. Item No. 11.1.2,									
	Ground Beam	1x2	16.20	-	0.30	9.72	Sqm			
	Column	6x2	(0.20+0.30)		1.50	9.00	Sqm			
		5x2	0.20	-	1.50	-3.00	Sqm			
	Top Beam	1x2	16.20	-	0.15	4.86	Sqm			
		5x2x2	3.00	0.05	-	3.00	Sqm			
		1x1	16.20	0.30	-	4.86	Sqm			
					Total	28.44	Sqm	87.00	/Sqm	2474.00

Particulars Item of work		No.	Measurements			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[09]	[10]	[11]
[09]	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand).									
	Building Work S.O.R. Item No. 11.2.3									
	Boundary wall	5x1	3.00	-	1.50	22.50	Sqm			
		1x1	16.20	-	0.20	3.24	Sqm			
					Total	25.74	Sqm	96.50	/Sqm	2484.00
[10]	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)									
	Building Work S.O.R. Item No. 11.3.3									
	Boundary wall	5x1	3.00	-	1.50	22.50	Sqm			
		1x1	16.20	-	0.20	3.24	Sqm			
					Total	25.74	Sqm	113.00	/Sqm	2909.00
[11]	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc.complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
	Building Work S.O.R. Item No. 14.16.1									
	6 mm thick plaster area	1	28.44	Sqm	-	28.44	Sqm			
	12 mm thick plaster area	1	25.74	Sqm	-	25.74	Sqm			
	15 mm thick plaster area	1	25.74	Sqm	-	25.74	Sqm			
					Total	79.92	Sqm	74.50	/Sqm	5954.00
Cost of Boundary wall 16.20 Meter Length Rs										109824.00
Cost of Boundary wall 1.00 Meter Length Rs										6779.25
(A) Hence Cost of Boundary wall 200.00 Meter Length Rs										1355850.00
B. Main Gate										
[01]	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.In all types of soils.									
	Building Work S.O.R. Item No. 1.1.1									
	Column Foundation	2	2.10	2.10	1.50	13.23	Cum	185.00	/Cum	2447.00
[02]	Extra for every additional lift of 1.5 m or part thereof. All types of soils									
	Building Work S.O.R. Item No. 1.6.1.									
	Column Foundation	2	2.10	2.10	0.60	5.29	Cum	211.50	/Cum	1119.00
[03]	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									

[1]	Particulars Item of work	No.	Measuments			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[09]	[10]	[11]
	Building Work S.O.R. Item No. 3.1.3									
	Column Foundation	2	2.10	2.10	0.15	1.33	Cum	2970.00	/Cum	3950.00
[04]	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	Building Work S.O.R. Item No. 3.2.1									
	Column Footing	2	1.80	1.80	0.20	1.29	Cum			
		2	0.45/3[(1.80x1.80)+(0.60x0.60) +Square root of (3.24x0.36)]			1.14	Cum			
	Column upto G.B.L.	2	0.60	0.60	1.40	1.01	Cum			
	Column above G.B.	2	0.60	0.60	2.10	1.52	Cum			
					Total	4.96	Cum	4163.00	/Cum	20648.00
[05]	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 and plinth all complete: Thermo-Mechanically treated bars FE 415									
	Building Work S.O.R. Item No. 3.12.1									
	Qty. taken From Item No.4		1x4.96M³x78.5Kg/ M³			389.36	Kg	54.50	/Kg	21220.00
[06]	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:									
	(a) Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Building Work S.O.R. Item No. 2.1.1									
	Column Footing	2x4	1.80	-	0.20	2.88	Sqm			
	Column upto G.B.L.	2x4	0.60	-	1.40	6.72	Sqm			
					Total	9.60	Sqm	139.00	/Sqm	1334.00
	(b) Columns, Pillars, Piers and likes- rectangular or square in shape									
	Building Work S.O.R. Item No. 2.1.5									
	Column above G.B.	2x4	0.60	-	2.10	10.08	Sqm	297.00	/Sqm	2994.00
[07]	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.									
	Building Work S.O.R. Item No. 1.18									
	Back Filling of Foundation									
	Total Qty. of Excavation	1	-	-	-	18.52	Cum			
	Deduction of Qty. P.C.C.	1	-	-	-	-1.33	Cum			
	Deduction of Qty. R.C.C.	1	-	-	-	-9.60	Cum			
					Total	7.59	Cum	371.00	/Cum	2816.00



Particulars Item of work		No.	Measurements			Quantity	Unit	Rate	Unit	Amount
[1]	[2]		L.	B.	H./D.					
[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]		
[08]	Providing and making 18mm thick cement plaster in two coats with under layer of 12mm thick plaster 1:5 (1 cement : 5 fine sand) and top layer of 6mm thick with cement plaster 1:3 (1 cement : 3 fine sand) finished rough with sponge.									
Building Work S.O.R. Item No. 11.8										
Column										
		2x4	0.60	-	2.10	10.08	Sqm			
		2x1	0.60	0.60		0.72	Sqm			
					Total	10.80	Sqm			
[09]	Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. MS tubular frames							167.00	/Sqm	1804.00
Building Work S.O.R. Item No. 9.16.3										
Main Gate		1	Lump-sum			200.00	Kg	80.50	/Kg	16100.00
[10]	Painting on new work (two or more coats) to give an even shade with:Satin synthetic enamel paint									
Building Work S.O.R. Item No. 14.22.1		1	Lump-sum			10.00	Sqm	55.00	/Sqm	550.00
[11]	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc.complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
Building Work S.O.R. Item No. 14.16.1										
Column		2x4	0.60	-	2.10	10.08	Sqm			
		2x1	0.60	0.60	-	0.72	Sqm			
					Total	10.80	Sqm	74.50	/Sqm	805.00
(B) Total Rs										75787.00
Total Cost A+B = 1355850.00+75787.00										1431637.00
Add for 3% for Contingency Charge Rs										42949.00
Total Rs										1474586.00
Say RS										1475000.00
(RUPEES : FOURTEEN LAKHS SEVENTY FIVE THOUSAND ONLY)										

Amitesh

11/12/2025

SUB ENGINEER

C.G.STATE AGRICULTURAL  
MARKETING BOARD BILASPUR  
DISTT. - SAKTI (C.G.)

Shikhar

11/12/2025

ASSISTANT ENGINEER  
C.G.STATE AGRICULTURAL  
MARKETING BOARD BILASPUR  
DISTT. - SAKTI (C.G.)

NCSuh

11/12/2025

EXECUTIVE ENGINEER  
C.G.STATE AGRICULTURAL  
MARKETING BOARD BILASPUR  
DISTT. - SAKTI (C.G.)



**DETAILED ESTIMATE FOR CONSTRUCTION OF 1800MT GODOWN, AT- SUB MANDI YARD-  
BARADWAR, APMC- SAKTI. DISTT.- SAKTI (C.G.)**

Based on C.G. PWD Building Works With Effect From from 01-01-2015 & Electrification works with Effect From 01.07.2015

S. No	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
1	2	3	4	5	6	7	8	9	10	11
1	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area). As per SOR Item No. 1.2 page 9	area	1	50.00	30.00	-	1500.00			
						Total	1500.00	sqm	7.20	10800.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils. As per SOR Item No. 1.1.1 page 9	column corner	4	1.80	1.80	1.80	23.33			
		col. Center	24	1.80	1.80	1.80	139.97			
		col ver	7	1.20	1.20	1.20	12.10			
		col rm	3	1.20	1.20	1.20	5.18			
		GB L/W	2	26.25	0.50	0.40	10.50			
		L/w rm	1	6.20	0.40	0.25	0.62			
		L/w ver	1	19.95	0.40	0.25	2.00			
		S/W	2	12.20	0.50	0.40	4.88			
		s/w rm	3	1.40	0.40	0.25	0.42			
		s/w ver	1	0.60	0.40	0.25	0.06			
		plinth prot L/w	1	44.45	0.30	0.40	5.33			
			1	11.95	0.30	0.40	1.43			
			1	33.15	0.30	0.40	3.98			
		plpt s/w	1	26.95	0.30	0.40	3.23			
			1	0.50	0.30	0.40	0.06			
			1	26.15	0.30	0.40	3.14			
						Total	216.23	cum	185.00	40002.37
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils. As per SOR Item No. 1.1.1 page 9 Extra for every additional lift of 1.5 m or part thereof. All types of soils As per SOR Item No. 1.6.1 page 10	column corner	4	1.80	1.80	0.30	3.89			
		col. Center	24	1.80	1.80	0.30	23.33			
						Total	27.22	cum	26.50	721.22
3	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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). As per SOR Item No. 3.1.3 page 23	column corner	4	1.80	1.80	0.15	1.94			
		col. Center	24	1.80	1.80	0.15	11.66			
		col ver	7	1.20	1.20	0.15	1.51			
		col rm	3	1.20	1.20	0.15	0.65			
		pp flr L/w	1	43.85	0.80	0.10	3.51			
			1	11.65	0.80	0.10	0.93			
			1	32.80	0.80	0.10	2.62			
		pl flr s/w	1	25.35	0.80	0.10	2.03			
			1	0.80	0.80	0.10	0.06			
			1	24.55	0.80	0.10	1.96			
		floor	1	41.45	21.40	0.15	133.05			
		ver	1	32.25	2.05	0.15	9.92			
		rm	2	4.35	3.00	0.15	3.92			
						Total	173.77	cum	2970.00	516109.89
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). As per SOR Item No. 3.1.2 page 24	col footing	4	1.80	1.80	0.20	2.59			
		col. Center	24	1.80	1.80	0.20	15.55			
		col ver	7	1.20	1.20	0.20	2.02			
		col rm	3	1.20	1.20	0.20	0.86			
		col trepzdl	4	0.45/6	8.24	-	2.47			(1.8*1.8+0.4*0.4+4(1.8*1.8+0.4*0.4)2
			24	0.45/6	8.24	-	14.83			2
			7	0.30/6	5.58	-	1.95			(1.2*1.2+0.3*0.3+4(1.2*1.2+0.3*0.3)2
			3	0.30/6	5.58	-	0.84			2
		col upto GL	4	0.40	0.40	1.00	0.64			
			24	0.30	0.40	1.00	2.88			
			7	0.30	0.30	0.55	0.35			
			3	0.30	0.30	0.55	0.15			
		ground beam L/w	2	42.25	0.40	0.40	13.52			
			1	9.60	0.30	0.30	0.86			
			1	32.55	0.30	0.30	2.93			
		s/w	2	21.40	0.40	0.40	6.85			
			3	2.85	0.30	0.30	0.77			





2	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
		3	4	5	6	7	8	9	10	11
		intel tv	18	1.70	0.10	0.20	0.61			
			18	1.70	0.40	0.10	1.22			
		gabbe col	4	0.30	0.40	3.00	1.44			
			4	0.30	0.40	2.00	0.96			
		gabbe beam	2	13.38	0.30	0.20	1.61			
			2	4.66	0.30	0.20	0.56			
		coping	2	22.96	0.40	0.10	1.84			
							Total	54.21	cum	97.50
										5285.59
5	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 and plinth all complete: Thermo-Mechanically treated bars FE 415 As per SOR Item No. 3.12.1 page 24		Hence				16553.17			
							Total	16553.17	kg	54.50
										902147.63
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. As per SOR Item No. 2.1.1 page 16	col footing	4	7.20	0.20	-	5.76			
		col. Center	24	7.20	0.20	-	34.56			
		col ver	7	6.00	0.20	-	8.40			
		col rm	3	6.00	0.20	-	3.60			
		ground beam L/w	2	42.25	0.40	-	33.80			
			2	41.45	0.40	-	33.16			
			1	9.60	0.30	-	2.88			
			2	4.35	0.30	-	2.61			
			1	32.55	0.30	-	9.77			
			1	32.25	0.30	-	9.68			
		s/w	2	21.80	0.40	-	17.44			
			2	21.40	0.40	-	17.12			
			4	2.85	0.30	-	3.42			
			1	3.15	0.30	-	0.95			
			2	2.05	0.30	-	1.23			
			1	0.80	0.30	-	0.24			
			1	2.35	0.30	-	0.71			
		Dpc L/w	1	42.25	0.15	-	6.34			
			2	41.45	0.15	-	12.44			
			2	4.35	0.15	-	1.31			
			1	32.25	0.15	-	4.84			
			1	9.60	0.15	-	1.44			
		s/w	2	4.35	0.15	-	1.31			
			1	32.25	0.15	-	4.84			
			1	32.25	0.15	-	4.84			
			2	21.40	0.15	-	6.42			
			2	21.40	0.15	-	6.42			
			4	2.85	0.15	-	1.71			
			1	3.15	0.15	-	0.47			
			2	2.05	0.15	-	0.62			
			1	0.80	0.15	-	0.12			
			1	2.35	0.15	-	0.35			
		Rpc L/w	1	42.85	0.30	-	12.86			
			1	10.20	0.30	-	3.06			
			1	32.85	0.30	-	9.86			
		s/w	1	25.35	0.30	-	7.61			
			1	0.80	0.30	-	0.24			
			1	24.55	0.30	-	7.37			
		pp fir L/w	1	44.25	0.70	-	30.98			
			1	43.85	0.70	-	30.70			
			1	11.65	0.70	-	8.16			
			1	11.25	0.70	-	7.88			
			1	33.75	0.70	-	23.63			
			1	33.55	0.70	-	23.49			
		pl fir s/w	1	25.35	0.70	-	17.75			
			1	25.35	0.70	-	17.75			
			1	0.80	0.70	-	0.56			
			1	0.80	0.70	-	0.56			
			1	24.55	0.70	-	17.19			
			1	24.55	0.70	-	17.19			
							Total	475.53	sqm	139.00
										66097.98
7	Providing and fixing formwork including centering, shuttering, strutting, propping, bracing etc. complete and including its removal at all levels, for: Columns, Pillars, Piers and likes- rectangular or square in shape As per SOR Item No. 2.1.5 page 16	col upto GL	4	1.60	1.00	-	6.40			
		col center	24	1.40	1.00	-	33.60			
		col ver	7	1.20	0.55	-	4.62			
		col rm	3	1.20	0.55	-	1.98			
		col GB to PL	4	1.60	0.85	-	5.44			
			24	1.40	0.85	-	28.56			

S. No.	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
8	Providing and fixing formwork including centering, shuttering, strutting, propping, breacing etc. complete and including its removal at all levels, for: Beams, lintels, cantilevers & walls As per SOR Item No. 2.1.8 page 16	col PL to Rsb	4	1.20	0.70	-	5.88	sqm	297.00	98330.76
			3	1.20	0.70	-	2.52			
			4	1.60	2.50	-	16.00			
			24	1.40	2.50	-	84.00			
			3	1.20	2.80	-	10.08			
		col Rsb to top beam	4	1.60	2.60	-	16.64			
			24	1.40	2.60	-	87.36			
		gable col	4	1.40	3.00	-	16.80			
			4	1.40	2.00	-	11.20			
		Total					331.08			
		lintel w	4	1.40	0.20	-	1.12			
			1	1.00	0.30	-	0.30			
		lintel d	2	1.40	0.20	-	0.56			
			2	1.00	0.30	-	0.60			
9	Providing and fixing formwork including centering, shuttering, strutting, propping, breacing etc. complete and including its removal at all levels, for: Weather shade, chhajja, Cornices and mouldings As per SOR Item No. 2.1.13 page 17	RS beam	1	42.25	0.30	-	12.68	sqm	202.00	34892.67
			1	4.35	0.30	-	1.31			
			2	32.45	0.30	-	19.47			
			2	41.45	0.30	-	24.87			
			2	22.20	0.30	-	13.32			
			2	21.40	0.30	-	12.84			
		rm top beam	2	3.20	0.20	-	1.28			
			4	2.85	0.20	-	2.28			
			1	9.50	0.20	-	1.90			
			2	4.35	0.20	-	1.74			
		top beam	2	42.25	0.20	-	16.90			
			2	41.45	0.20	-	16.58			
			2	21.40	0.20	-	8.56			
			2	22.20	0.20	-	8.88			
		lintel tv	18	1.70	0.20	-	6.12			
			18	1.50	0.30	-	8.10			
			18	1.70	0.10	-	3.06			
			18	1.70	0.10	-	3.06			
		gable beam	2	13.38	0.20	-	5.35			
			2	4.66	0.20	-	1.86			
		Total					172.74			
		w chhajja	2	1.40	0.60	-	1.68			
			2	1.40	0.10	-	0.28			
			4	0.60	0.10	-	0.24			
		bv	13	0.60	0.40	-	3.12			
			26	0.80	0.20	-	4.16			
		bv chhajja	13	0.60	0.40	-	3.12			
			26	0.80	0.10	-	2.08			
		rs chhija	2	4.66	0.60	-	5.59			
			2	4.66	0.10	-	0.93			
			4	0.60	0.10	-	0.24			
		Total					21.44			
10	Providing and fixing formwork including centering, shuttering, strutting, propping, breacing etc. complete and including its removal at all levels, for: Folded plates slabs As per SOR Item No. 2.1.10 page 17	rm	2	4.35	2.90	-	25.23	sqm	194.00	5843.28
		projction	1	3.80	0.30	-	1.14			
			1	9.50	0.30	-	2.85			
			1	3.00	0.30	-	0.90			
		Total					30.12			
11	(a) Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) As per SOR Item No. 7.5.4 page 46	below GB L/w	2	42.25	0.50	0.10	4.23	sqm	194.00	5843.28
			1	9.60	0.40	0.10	0.38			
			1	32.55	0.40	0.10	1.30			
		s/w	2	21.40	0.50	0.10	2.14			
			3	2.85	0.40	0.10	0.34			
			1	2.05	0.40	0.10	0.08			
		deduction col	4	0.40	0.40	-0.10	-0.06			
			24	0.30	0.40	-0.10	-0.29			
			7	0.30	0.30	-0.10	-0.06			
			3	0.30	0.30	-0.10	-0.03			
		plinth prot L/w	1	44.45	0.30	0.10	1.33			
			1	11.95	0.30	0.10	0.36			
			1	33.15	0.30	0.10	0.99			
		plpt s/w	1	26.95	0.30	0.10	0.81			
			1	0.50	0.30	0.10	0.02			
			1	26.15	0.30	0.10	0.78			
		GB to PL	2	42.25	0.40	1.00	33.80			



2	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
3			4	5	6	7	8	9	10	11
			1	9.60	0.30	0.70	2.02			
			1	32.55	0.30	0.70	6.84			
			2	21.40	0.40	1.00	17.12			
			3	2.85	0.30	0.70	1.80			
			1	2.05	0.30	0.70	0.43			
	deduction col		4	0.30	0.30	-1.00	-0.36			
			24	0.30	0.30	-1.00	-2.16			
			7	0.30	0.30	-0.70	-0.44			
			3	0.30	0.30	-0.70	-0.19			
						Total	71.18	cum	3263.00	232244.03
11	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) As per SOR Item No. 7.5.4 page 46 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: As per SOR Item No. 7.6 page 46	PL to RSB	2	42.25	0.30	2.50	63.38			
(b)			1	9.60	0.30	2.50	7.20			
			2	21.40	0.30	2.50	32.10			
			3	2.85	0.30	2.50	6.41			
	deduction col		4	0.30	0.30	-2.50	-0.90			
			24	0.30	0.30	-2.50	-5.40			
			3	0.30	0.30	-2.50	-0.68			
	deduction D		2	1.00	0.20	-2.10	-0.84			
	W		2	1.00	0.20	-1.20	-0.48			
	bv		13	0.60	0.30	-0.60	-1.40			
	RS		5	1.80	0.30	-2.50	-6.75			
	RSB TO TOP BM		2	42.25	0.30	2.60	65.91			
			2	21.40	0.30	2.60	33.38			
	deduction tv		18	1.50	0.30	-0.60	-4.86			
	deduction col		4	0.30	0.30	-2.60	-0.94			
			24	0.30	0.30	-2.60	-5.62			
	Gabble wall		2	10.90	0.30	3.60	23.54			
			3	1.60	0.30	0.80	1.15			
	gable beam		2	13.38	0.30	-0.20	-1.61			
			2	4.66	0.30	-0.20	-0.56			
	Gujarbandi		2	42.15	0.30	0.30	7.59			
			2	22.96	0.30	0.30	4.13			
			2	3.00	0.30	0.20	0.36			
	ppt wall		2	22.96	0.40	0.50	9.18			
			2	3.20	0.40	0.50	1.28		3263.00+121.00	
						Total	225.60	cum	3384.00	763415.17
12	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.complete. As per SOR Item No. 1.18 page 11	floor	1	41.45	21.40	1.20	1064.44			
		ver	1	32.25	2.05	1.10	72.72			
		rm	2	4.35	2.85	1.20	29.75			
		pp fir L/w	1	43.85	0.80	0.30	10.52			
			1	11.65	0.80	0.30	2.80			
			1	32.80	0.80	0.30	7.87			
		pl fir s/w	1	25.35	0.80	0.30	6.08			
			1	0.80	0.80	0.30	0.19			
			1	24.55	0.80	0.30	5.89			
						Total	1200.27	cum	371.00	445301.56
13	12mm thick cement plaster of mix In cement mortar 1:5 ( 1cement : 5 fine sand) As per SOR Item No. 11.2.3 page 96	GB to PL outer	1	42.25	1.10	-	46.48			
(a)			1	9.60	1.10	-	10.56			
			1	32.55	0.95	-	30.92			
		s/w	1	22.20	1.10	-	24.42			
			1	3.15	1.10	-	3.47			
			1	0.80	1.10	-	0.88			
			1	2.35	0.95	-	2.23			
		PL to top	1	42.25	6.30	-	266.18			
			1	9.60	3.50	-	33.60			
			1	9.60	3.20	-	30.72			
			1	32.55	6.30	-	205.07			
			2	22.20	6.30	-	279.72			
			2	3.15	3.20	-	20.16			
	deduction w		2	1.00	-1.20	-	-2.40			
	D		1	1.00	-2.10	-	-2.10			
	bv		13	0.60	-0.60	-	-4.68			
	tv		18	1.50	-0.60	-	-16.20			
	RS		5	1.80	-2.70	-	-24.30			
	Gabble wall		4	10.90	3.60	-	156.96			
			2	1.60	1.00	-	3.20			
	ppt wall		2	22.96	1.60	-	73.47			
			2	3.20	1.40	-	8.96			
						Total	1147.31	sqm	96.50	110715.13

Sl. No.	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
1	2	3	4	5	6	7	8	9	10	11
13	12mm thick cement plaster of mix in cement mortar 1:5 (1 cement : 5 fine sand) As per SOR Item No. 11.2.3 page 96	PL to top Inner	2	41.55	6.20	-	515.22			
			2	4.35	3.20	-	27.84			
			2	21.50	6.20	-	266.60			
			4	2.85	3.20	-	36.48			
			4	1.60	1.00	-	6.40			
		deduction w	2	1.00	-1.20	-	-2.40			
		D	2	1.00	-2.10	-	-4.20			
		bv	13	0.60	-0.60	-	-4.68			
		tv	18	1.50	-0.60	-	-16.20			
		RS	4	1.80	-2.60	-	-18.72			
		Gabble wall	4	10.90	3.60	-	158.96			
			Total				963.30	sqm	96.60	92958.46
14	Providing and making 6mm thick cement plaster of mix:In Cement mortar 1:4 (1 cement : 4 fine sand) As per SOR Item No. 11.1.2 page 103	Rpc	1	42.85	0.40	-	17.14			
			1	10.20	0.40	-	4.08			
			1	32.85	0.40	-	13.14			
			1	25.35	0.40	-	10.14			
			1	0.80	0.40	-	0.32			
			1	24.55	0.40	-	9.82			
		w	2	1.40	0.60	-	1.68			
		bv	13	0.80	0.40	-	4.16			
		rs	2	4.96	0.70	-	6.94			
			Total				67.42	sqm	87.00	5865.89
15	Providing and making 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C. slab and beam. As per SOR Item No. 11.6 page 104	Rpc	1	42.85	0.30	-	12.86			
			1	10.20	0.30	-	3.06			
			1	32.85	0.30	-	9.86			
			1	25.35	0.30	-	7.61			
			1	0.80	0.30	-	0.24			
			1	24.55	0.30	-	7.37			
		w	2	1.40	0.60	-	1.68			
		bv	13	0.80	0.40	-	4.16			
		rs	2	4.96	0.70	-	6.94			
			Total				53.76	sqm	105.00	5645.22
16	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). As per SOR Item No. 3.1.5 page 23	floor	1	41.45	21.40	0.10	88.70			
		ver	1	32.55	2.45	0.10	7.97			
		rm	2	4.35	2.95	0.10	2.57			
			Total				99.24	cum	4073.00	404221.83
17	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete. As per SOR Item No. 12.1 page 111	floor	1	41.45	21.40	-	887.03			
		ver	1	32.55	2.45	-	79.75			
		rm	2	4.35	2.95	-	25.67			
			Total				992.44	sqm	34.00	33743.05
18	Extra for providing and fixing 4mm thick glass strip in joints of Terrazo floor/ cement concrete floor or like. 40 mm wide As per SOR Item No. 12.25.2 page 116	floor	8	41.45	-	-	331.60			
			4	21.40	-	-	85.60			
		ver	7	2.45	-	-	17.15			
		plinth protn	34	1.00	-	-	34.00			
			Total				468.35	meter	18.00	8430.30
19	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer. As per SOR Item No. 9.15 page 81	window	2	1.00	1.20	20.00	48.00			
		tv	18	1.50	0.60	20.00	324.00			
		bv	13	0.60	0.60	20.00	93.60			
			Total				465.60	kg	67.50	31428.00
20	Providing and fixing GI wire gauge of average width of aperture 1.56mm with wire of 0.45mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete. As per SOR Item No. 9.33 page 83	tv	18	1.50	0.60	-	16.20			
		bv	13	0.60	0.60	-	4.68			
			Total				20.88	sqm	569.00	11880.72
21	Providing and fixing steel door/ window with M.S. sheet 1mm thick, 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. As per SOR Item No. 9.13 page no. 81	door	2	1.00	2.10	50.00	210.00			
			Total				210.00	kg	75.00	15750.00
22	Providing and fixing M.S. frames of doors, windows,	door	2	1.00	2.10	30.00	126.00			



S. No.	Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
			Nos.	Length	Width	Depth				
3	2	3	4	5	6	7	8	9	10	11
	laths and cupboards joints mitred and welded with 5x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Angle-iron frames As per SOR Item No. 9.16.2 page no. 82					Total	126.00	kg	73.50	9261.00
23	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull arrangement complete but excluding the cost of top cover and spring 80x1.25mm M.S. Laths As per SOR Item No. 9.27.1 page 83	rs	5	1.95	2.90	-	28.28			
						Total	28.28	sqm	1691.00	47813.03
24	Providing and fixing 27.5cm long wire spring for rolling shutters. As per SOR Item No. 9.28 page 83	rs	5	2	-	-	10.00			
						Total	10.00	each	362.00	3620.00
25	Providing and fixing ball bearing for rolling shutters. As per SOR Item No. 9.30 page 83	rs	5	2	-	-	10.00			
						Total	10.00	each	423.00	4230.00
26	Providing and fixing M.S. sheet top cover for rolling shutter 1.25mm thick As per SOR Item No. 9.29.1 page 83	rs	5	2.00	1.00	-	10.00			
						Total	10.00	sqm	540.00	5400.00
27	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zincchromate primer. Electric resistance or induction butt welded tubes Grade-250 As per SOR Item No. 9.3.1 page 82	truss				Lump sump	13800.00			
						Total	13800.00	kg	88.50	1221300.00
28	Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. As per SOR Item No. 10.12 page 91	roof ver	2 1	41.85 32.55	12.00 3.00	- -	1004.40 97.65			
						Total	1102.05	sqm	693.00	763720.65
29	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Ridges plain (500-600mm) As per SOR Item No. 10.6.1 page 92	roof	1	41.85	-	-	41.85			
						Total	41.85	Rmt	552.00	23101.20
30	Extra for providing and fixing wind ties of 40x6mm flat iron section.	roof ver	12 2	41.85 32.55	- -	- -	502.20 65.10			

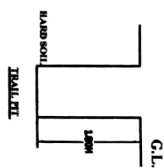


Description of Items	Detail	Detail of Measurements				Quantity	Unit	Rate	Amount
		Area	Length	Width	Depth				
2									
As per SOR Item No. 10.10 page 92						Total	687.55	Rate	118.00
Painting on new work (two or more coats) to give an even shade with		Lump Sum							81187.40
Satin synthetic enamel paint						Total	168.00	sqm	88.00
As per SOR Item No. 14.22.1 page 135						Total Qty of	883.55		
Finishing walls with water proofing cement paint of required shade to give an even shade						Total	883.55	sqm	81.00
14 14 1 On new work (Two or more coats applied @ 2.50 kg/10 sqm)						Total	883.55	sqm	81.00
As per SOR Item No. 14.11.3 page 134						Total Qty of	1214.73		
Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacture's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with 14 15 1 On new work (Two or more coats applied @ 1.42 kg/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)						Total	1214.73	sqm	88.00
As per SOR Item No. 14.16.1 page 134									
Total Rs.									6831405.14
Add Rs. 50000.00 For Electrification works Rs.									50000.00
Add 3% for contingencies charges Rs.									204942.15
Total Cost Rs.									7086347.29
Say Rs. (in Lakh)									70.86

*Aminder*  
SUB ENGINEER

*Skale*  
ASSISTANT ENGINEER  
C.G. STATE AGRICULTURE MARKETING (BAND) BOARD DIVISION-BILASPUR (C.G.)

*Neelam*  
EXECUTIVE ENGINEER



**DETAIL ESTIMATE FOR CONSTRUCTION OF OFFICE BUILDING, LEVELLING  
OF YARD & INTERLOCKING CONCRETE BLOCK WORK AT MANDI YARD SAKTI,  
A.P.M.C. - SAKTI, DISTT. - SAKTI ( C.G.)**

SCHEDULE OF RATES FOLLOWS :

C.G.P.W.D. BUILDING WORKS S.O.R. WITH EFFECT FROM DATE 01.01.2015

C.G.P.W.D. ELECTRICAL WORKS S.O.R. WITH EFFECT FROM DATE 01.07.2015

S.No.	Particular of work	No.	L.	B/H.	D/T.	Quantity	Unit	Rate	Unit	Amount
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
<b>GROUND FLOOR</b>										
[1] 1.1.1 CHEP 1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.									
	For Column	58	1.80	1.80	2.400	451.01				
	For Septic Tank	1	3.60	2.40	2.400	20.74				
	For Plinth Protection									
	L/W Front & Back side C/C (28.20+0.90+0.90 = 30.00)	2	30.00	0.30	0.300	5.40				
	S/W Both side C/C (15.90+0.90+0.90 = 17.70)	2	17.70	0.30	0.300	3.19				
[2] 1.6 CHEPT	Extra for every additional lift of 1.5 m or part thereof.					480.33	cum	185.00	/cum	88861
1.6.1	All types of soils									
	For Column	58	1.80	1.80	0.900	169.13				
	For Septic Tank	1	3.60	2.40	0.900	7.78				
[3] 1.18 CHEPT 1	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.					176.90	cum	26.50	/cum	4688
	For Column Pits	58	1.80	1.80	1.800	338.26				
	For Plinth (Carpet area)	1	375.0	sqm	0.680	255.00				
	For Septic Tank	1	3.65	2.50	0.150	1.37				
	For Plinth Protection									
	L/W Front & Back side C/C (28.20+0.90+0.90 = 30.00)	1	30.00	1.00	0.150	4.50				
	S/W Both side C/C (15.90+0.90+0.90 = 17.70)	1	17.70	1.00	0.150	2.66				
	Ground Levelling work	1	44.70	28.50	0.20	254.79				
		1	35.00	19.50	0.20	136.50				
[4] 3.1.3 CHEP 3	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 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).					993.07	cum	371.00	/Cum	368429
	For Column Pits	58	1.80	1.80	0.150	28.19	Cum			
	For Septic Tank	1	3.65	2.50	0.150	1.37	Cum			
	For Plinth Protection	1	95.40	0.30	0.100	2.86	Cum			
	For Rooms Plinth						Cum			





L/W Front side C/C { 28.20- (8*0.20) = 26.60}	1	26.60	3.60	0.100	9.58	Cum		
L/W Back side C/C { 23.00- (6*0.20) = 21.80}	1	21.80	3.30	0.100	7.19	Cum		
For Porch	1	5.00	3.00	0.100	1.50	Cum		
For Staff Rooms 1&2	2	4.50	4.00	0.100	3.60	Cum		
For Meeting Hall	1	5.00	11.70	0.100	5.85	Cum		
For Verandah Back Side	1	17.90	1.80	0.100	3.22	Cum		
For Verandah Front Side	1	17.90	2.50	0.100	4.48	Cum		
For Verandah R/L Side	2	3.90	2.75	0.100	2.15	Cum		
For Courtyard	1	12.00	3.50	0.100	4.20	Cum		
For Plinth Protection Flooring								
Base	2	29.80	0.80	0.075	3.58	Cum		
Front & Back Side	2	15.90	0.80	0.075	1.91	Cum		
Side Wall Both Side	1	44.70	28.50	0.10	127.40	Cum		
Surround of Office Building	1	35.00	19.50	0.10	68.25	Cum		
	1	497.67	Sqm	0.10	-49.77	Cum		
					225.54	cum	2970.00	/cum 669854
[5] Providing and laying nominal mix 32.1 reinforced cement concrete with CHEP crushed stone aggregate using concrete mixer in all works upto 3 plinth level excluding cost of form work.								
<b>GROUND FLOOR</b>								
For Footing	58	1.50	1.50	0.450	58.73			
For Column up to Ground Level								
Column C	33	0.20	0.40	1.700	4.49			
Column C1	22	0.20	0.30	1.700	2.24			
Column C2	3	0.30	0.30	1.700	0.46			
For H/Wall (Front Rooms Wall)	2	28.20	0.20	0.400	4.51			
For Attached Toilet Portion	2	2.30	0.20	0.300	0.28			
For Verandah L/Wall	2	12.40	0.20	0.400	1.98			
For Staff Room 1 & 2	1	4.50	0.20	0.400	0.36			
For Courtyard Side Wall	2	12.00	0.20	0.400	1.92			
For H/Wall (Back Side Rooms Wall)	2	23.00	0.20	0.400	3.68			
For Attached Toilet Portion	2	4.50	0.20	0.300	0.54			
For V/Wall (Front Rooms Wall)	8	3.60	0.20	0.400	2.30			
For Staff Room 1 & 2 (2*2)	4	4.00	0.20	0.400	1.28			
For Courtyard Side Wall	2	3.50	0.20	0.400	0.56			
For Meeting Hall	2	11.70	0.20	0.400	1.87			
For H/Wall (Back Side Rooms Wall)	5	3.30	0.20	0.400	1.32			
For Attached Toilet Portion	2	1.50	0.20	0.300	0.18			
For Porch	1	1.60	0.20	0.300	0.10			
	1	5.40	0.20	0.400	0.43			
	2	3.00	0.20	0.400	0.48			
For Column up to Plinth Level								
Column C	33	0.20	0.40	0.400	1.06			
Column C1	22	0.20	0.30	0.400	0.53			
Column C2	3	0.30	0.30	0.400	0.11			
For Plinth Protection								
L/W Front & Back side C/C {	2	30.00	1.00	0.075	4.50			
S/W Both side C/C { 15.90}	2	15.90	1.00	0.075	2.39			
For Septic Tank Beam Bufile Wall	1	2.10	0.20	0.200	0.08			
For Septic Tank Slab	1	3.40	2.20	0.120	0.90			
For Rooms Plinth Flooring								
L/W Front side C/C { 28.20- (8*0.20) = 26.60}	1	26.60	3.60	0.080	7.66			
For Staff Room 1 & 2	2	4.50	4.00	0.080	2.88			
For Meeting Hall	1	5.00	11.70	0.080	4.68			

	L/W Back side C/C (23.00- (6*0.20) = 21.80)	1	21.80	3.30	0.075	5.40			
	For Courtyard Side Wall	1	12.00	3.50	0.075	3.15			
	For Courtyard Side Wall	2	3.50	2.75	0.075	1.44			
	For Verandah Back Side	1	17.90	1.80	0.075	2.42			
	For Verandah Front Side	1	17.90	2.50	0.075	3.36			
						128.25	Cum	4163.00	/Cum
3.2.1 & 3.4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work with 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:								
	Column up to Ground Floor slab level								
	Column C	33	0.20	0.40	3.050	8.05			
	Column C1	22	0.20	0.30	3.050	4.03			
	Column C2	3	22/7*4(0.30)2	3.050	0.65				
	For Outer Window Wall Sill	1	212.60	0.20	0.100	4.25			
	For Lintel Beam(237.10-8.00) = 229.10	1	219.90	0.20	0.150	6.60			
	For Chinja								
	Window	16	1.80	0.50	0.080	1.15			
	Pentary Platform	2	3.00	0.60	0.080	0.29			
	Wall Rack	1	3.00	0.45	0.080	0.11			
	Wall Rack	2	3.30	0.45	0.080	0.24			
	For Staff Room 1 & 2	2	4.00	0.45	0.080	0.29			
	Stair Landing	1	7.80	1.40	0.125	1.37			
	Slab Beams								
	Rooms	1	253.20	0.20	0.300	15.19			
	Hall	2	5.00	0.20	0.400	0.80			
	Mumty	1	11.20	0.20	0.200	0.45			
	For Staff Room 1 & 2	2	4.00	0.20	0.300	0.48			
	Slab	1	5.80	3.20	0.125	2.32			
	Porch	1	28.70	16.30	0.125	58.48			
	Rooms	1	4.40	4.60	0.125	2.53			
	Mumty								
	Deduction For								
	Courtyard	1	12.20	3.10	0.125	-4.73			
	Column up to Slab								
	Column C	33	0.20	0.40	0.800	2.11			
	Column C1	22	0.20	0.30	0.800	1.06			
	Column C2	3	0.30	0.30	0.800	0.22			
	Extra Col. Ht in Mumty	4	0.20	0.40	1.300	0.42			
						106.33	Cum	4260.50	/Cum
									453025
[6] 3.12.1 CHEP 3	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 and plinth all complete. :Thermo-Mechanically treated bars FE 415								
[7] 3.14. CHEP 3	Item No.4 (Total R.C.C.1.0%) Providing and mixing water proofing material in PCC/ RCC work in the proportion recommended by the manufacturer.		234.58		100.00	23458.00	kg	54.50	kg
						455.08	kg	43.50	kg
									19796

2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping, bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.							
<b>GROUND FLOOR</b>								
2.1	For Footing (58'4) =	232	1.50		0.450	156.60		
	For Column Up to Ground Level							
	Column C [2x(0.20+0.40)]	33	1.20		1.700	67.32		
	Column C1 [2x(0.20+0.30)]	22	1.00		1.700	37.40		
	Column C2 [0.30x0.30]x4	3	0.36		1.700	1.84		
	For Plinth Beam							
		2	234.90		0.400	187.92		
	For Septic Tank Beam Buffle Wall	2	13.70		0.300	8.22		
		3	2.10		0.200	1.26		
	For Septic Tank Slab	1	2.80	1.60		4.48		
	For Column Up to Plinth	1	11.20	0.13	0.125	1.40		
	Column C [2x(0.20+0.40)]	33	1.20		0.400	15.84		
	Column C1 [2x(0.20+0.30)]	22	1.00		0.400	8.80		
	Column C2 [0.30]x4	3	1.20		0.400	1.44		
2.15	Columns, Pillars, Piers and likes- rectangular or square in shape					492.52	Sqm	139.00 /Sqm 68460
	Column up to Slab							
	Column C [2x(0.20+0.40)]	33	1.20		0.800	31.68		
		4	1.20		1.300	6.24		
	Column C1 [2x(0.20+0.30)]	22	1.00		0.800	17.60		
	Column C2 [2x(0.20+0.40)]	3	1.20		1.300	4.68		
	Column up to Above Slab							
	Column C [2x(0.20+0.40)]	33	1.20		0.800	31.68		
		4	1.20		1.300	6.24		
	Column C1 [2x(0.20+0.30)]	22	1.00		0.800	17.60		
	Column C2 [2x(0.20+0.40)]	3	1.20		1.300	4.68		
						256.68	Sqm	297.00 /Sqm 76234
2.1.3	Window sills, anchor blocks, string course, bends, copings, bed plates and like.							
	L/W Outer Wall	1	86.20		0.100	8.62	Sqm	
	25.80+(2x15.90+28.20+0.90+0.20) = 86.20]							
	Sec. Room & Chairman Room	2	30.40		0.100	6.08		
	Computer Room	1	12.60		0.100	1.26		
	Stair Room	1	11.40		0.100	1.14		
	Entrance Hall	1	12.60		0.100	1.26		
	Wall Ver. Side	1	7.70		0.100	0.77		
	Staff Room 1 & 2	2	12.70		0.100	2.54		
		2	15.40		0.100	3.08		
	Verandah Side Wall	1	8.80		0.100	0.88		
	Common Toilet	2	2.80		0.100	0.56		
	Passage	1	20.00		0.100	2.00		
		1	18.40		0.100	1.84		
	Pantry	1	12.00		0.100	1.20		
	Store Room	1	18.40		0.100	1.84		
	Room	1	17.20		0.100	1.72		
	Meeting Hall	1	32.00		0.100	3.20		
	Front Wall Meeting Hall	1	8.20		0.100	0.82		
	Courtyard	1	28.00		0.100	2.80		
						41.61	Sqm	184.00 /Sqm 7656



7.4.1	Brick work with modular fly-ash bricks (Falg Bricks) line bricks (Falg Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
7.4.1	Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)								
	<b>GROUND FLOOR</b>								
	For Walls Up To Plinth	1	234.90	0.20	0.40	18.79			
	Front Site Step	1	4.00	0.90	0.20	0.72			
		1	3.00	0.20	0.20	0.12			
	Septic Tank	1	11.50	0.20	2.10	4.83			
						24.46	cum	3,263.00	/cum
7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
	Brick work in superstructure								
	Brick work up to Ground Floor								
	For Brick work Ground Floor Roof level	1	234.90	0.20	3.05	143.29			
	l/ Toilet W.C. & Bath Wall	1	6.00	0.10	3.05	1.83			
	l/ Toilet W.C. & Bath Wall	1	6.00	0.10	3.05	1.83			
	Sec. Room Toilet	1	2.30	0.10	3.05	0.70			
	Chairman, Room Toilet	1	2.30	0.10	3.05	0.70			
	Parapet Wall	1	95.00	0.20	0.90	17.10			
	Tower Wall	1	11.60	0.20	3.00	6.96			
	Deduction For								
	Channel Gate	CH	1	2.40	0.20	2.40			
	Opening	O	2	0.90	0.20	2.10	-1.15		
	Doors	D	1	1.20	0.20	2.10	-0.76		
	Doors	D1	9	1.00	0.20	2.10	-0.50		
	Doors	D2	1	0.90	0.20	2.10	-3.78		
	Doors	D3	6	0.75	0.10	2.10	-0.38		
	Doors	D3	6	0.75	0.10	2.10	-0.95		
	Window	W	2	1.50	0.20	1.20	-0.72		
	Window	W1	11	1.20	0.20	1.20	-3.17		
	Window	W2	2	1.00	0.20	1.20	-0.48		
	Ventilator	V	7	0.60	0.20	0.40	-0.34		
	Ventilator	V1	2	0.80	0.20	0.40	-0.13		
						160.07	cum	3,384.00	/cum
								541660	
[10]	Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to IS. 513 of 1973 and as per general specifications of IS 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer.								
9.18.4	Single rebate/ mullion 100mmx50mm size, 1.6mm thick sheet								
	<b>GROUND FLOOR</b>								
	Doors	D1	10	5.20		52.00	Rm		
	Doors	D2	2	5.10		10.20	Rm		
						62.20	/Rm	474.00	/cum
								29483	



[illegible]



	For Sec. Room	1	5.20	3.60		18.72				
	For Dressing & Toilet	1	2.30	3.60		8.28				
	For Staff Room I	1	4.50	4.00		18.00				
	For Staff Room II	1	4.50	4.00		18.00				
	For I/Toilet	1	11.00	Sqm		11.00				
	For W.C & Bath	2	2.70	1.50		8.10				
	For Drinking Water Area	1	2.50	3.50		8.75				
	For L/Toilet	1	11.00	Sqm		11.00				
	For W.C & Bath	2	2.70	1.50		8.10				
	For Store Room	1	6.20	3.30		20.46				
	For Room	1	5.60	3.30		18.48				
	For Meeting Hall	1	5.00	11.70		58.50				
	For Verandah	1	96.22	Sqm		96.22				
	For Porch	1	5.00	3.00		15.00				
						388.35	Sqm	87.00	/Sqm	33786
[17]14	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.				from Item no.10,11 &12	2063.61	Sqm	94.50	/Sqm	195011
.13										
CHEP										
11										
[18]	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:									
14.16.	14.16.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
1										
CHEP										
14										
					from Item No. 10	496.34	sqm	74.50	/sqm	36977
[19]	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)									
14.9.1										
CHEP										
14										
					from Item No. 11 & 12	1567.27	sqm	52.50	/sqm	82282
[20]	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption 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 (1cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.12.13.3 Size 1000x1000mm									
12.12.										
3										
CHEP										
12										
	Ground floor (Carpet Area with scarting ) Courtyard not included	1				363.37	sqm			
						363.37	sqm	1562.00	/sqm	567584

[21] 12.7.1 CHEP 12	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.								
	<b>GROUND FLOOR</b>								
	<b>Ground floor Toilets ( Sec.Room)</b>	1	7.00		2.100	14.70	Sqm		
	<b>Ground floor Toilets (Chairman Room)</b>	1	8.40		2.100				
	<b>Ground floor J/Toilets</b>	1	10.00	.	2.100	17.64	Sqm		
	<b>Ground floor J/Toilets ( W.C.)</b>	2	5.70		2.100	21.00	Sqm		
	<b>Ground floor L/Toilets</b>	1	10.00		2.100	23.94	Sqm		
	<b>Ground floor L/Toilets ( W.C.)</b>	2	5.70		2.100	21.00	Sqm		
						23.94	Sqm		
						122.22	Sqm	587.00	/Sqm 71743
[22] CHEP 12.10. 2	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.12.10.2 Size above 300x300mm								
	<b>GROUND FLOOR</b>								
	<b>Ground floor Toilets ( Sec.Room)</b>	1	1.50	2.30		3.45			
	<b>Ground floor Toilets (Chairman Room)</b>	1	2.30	2.10		4.83			
	<b>Ground floor J/Toilets</b>	1	11.00	Sqm		11.00			
	<b>Ground floor J/Toilets ( W.C.&amp; Bath)</b>	2	2.70	1.50		8.10			
	<b>Ground floor L/Toilets</b>	1	11.00	Sqm		11.00			
	<b>Ground floor L/Toilets ( W.C.&amp; Bath)</b>	2	2.70	1.50		8.1			
						46.48	Sqm	905.00	/Sqm 42064
[23] CHEP 13.6.2	15mm thick Granite work (machine cut, table rubbed & mirror polished) for kitchen platform, vanity counters, window sills and similar locations of required size laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) including joints treated with white cement mixed with matching pigment including rubbing and polishing to edge moulding to give high gloss finish.13.6.2 Granite stone black								
	<b>Ground floor Wash Basin</b>	5	0.60	0.60		1.80			
		4	0.60	0.90		2.16			
						3.96	Sqm	3279.00	/Sqm 12985

[24] CHEP 12.65. 2	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm 2.65.2 Pigment Coloured (rubber mould) precast interlock concrete blocks									
	front side Area	2	17.00	6.00		204.00	Sqm	632.00	/Sqm	128928
[25] CHEP 4/4.7	Providing and laying integral cement based water proofing treatment on roofs, balconies, terraces etc with average thickness of 120mm and minimum thickness at khurra as 65 mm, consisting of following operations including surface preparation: i) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement mixed with water proofing compound conforming to IS. 2645 over the RCC slab including adjoining walls upto 300mm height. ii) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) mixed with water proofing compound conforming to IS : 2645 over 20 mm rounding of junctions of walls and slabs. thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) mixed with water proofing compound conforming to IS : 2645									
	Ground floor for terrace	1	350.00	sqm		350.00	Sqm	611.00	/Sqm	213850
[26] 12.46. 2 CHEP 12	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).Granite stone black									
	stair	22	1.40	0.42		12.94				
	Landing	1	3.60	1.10		3.96				
						16.90	Sqm	2719.00	/Sqm	45940



150 CHEP 8	Providing and fixing factory made 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification.									
	Toilet Door D4	4	0.75	2.10		6.30	Sqm			
						6.30	Sqm	2583.00	/Sqm	16273
[28] CHEP 12.10. 2	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.									
	Toilet Door D4	4	4.95	1.00		19.80	Rm			
						19.80	Rm	346.00	/Sqm	6851
[29] 9.11 CHEP 9	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.									
	Front Channal Gate	1	2.40	2.40		5.76	Sqm	3330.00	/Sqm	19181

8.12 CHEP 8	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.									
8.12.2	35 mm. thick (single leaf)									
	Doors D1	9	1.00	2.10		18.90				
	Doors D2	1	0.90	2.10		1.89				
	Doors D3	4	0.75	2.10		6.30				
	35 mm. thick (Dubble leaf)									
	Doors D	1	1.20	2.10		2.52				
						29.61	Sqm	2005.00	/Sqm	59368
[31] 8.62 CHEP 8	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:									
8.58.1	125x85x5.50 mm (Heavy Type)									
	GROUND FLOOR									
	Doors D	1x6	-	-	-	6	No.s			
	Doors D1	10x3	-	-	-	30	No.s			
						36	No.s	245.00	/No.	8820
8.58.3	75x65x4.00 mm (Heavy Type)									
	Window W	2x4				8	No.s			
	Window W1	11x4				44	No.s			
	Window W2	2x4				8	No.s			
						60	No.s	75.50	/No.	4530
[32] 8.62 CHEP 8	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:									
8.62.1	250x10mm									
	GROUND FLOOR									
	Doors D	1x3	-	-	-	3				
	Doors D1	10x3	-	-	-	30				
	Window W	2x4				8				
	Window W1	11x4				44				
	Window W2	2x4				8				
						93	each	276.00	/No.	25668
[33] 8.62 CHEP 8	Providing and fixing stainless steel sliding door bolts with 16mm rod, 2.5mm thick flap, necessary stainless steel nuts bolts and screws etc complete.									
8.137. 2	250mm									
	GROUND FLOOR									
	Doors D	1x1	-	-	-	1				
	Doors D1	10x2	-	-	-	10				
						11	each	228.00	/No.	2508
[34] 8.138 CHEP 8	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.									
8.138. 1	300mm									
	GROUND FLOOR									
	Doors D3	4x1	-	-	-	4				

						4	each	92.50	/No.	370
[35] 8.141 CHEP 8	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.									
8.141.1	200 mm									
	<b>GROUND FLOOR</b>									
	Doors D	1x4	-	-	-	4				
	Doors D1	10x2	-	-	-	20				
	Window W	2x2				4				
	Window W1	11x2				22				
	Window W2	2x2				4				
						54	each	64.00	/No.	3456
[36] 8.144 CHEP 8	Providing and fixing stainless steel fixed stopper with necessary stainless steel screws complete.									
8.144.1	100 mm long									
	<b>GROUND FLOOR</b>									
	Doors D	1x2	-	-	-	2				
	Doors D1	10x1	-	-	-	10				
						12	each	96.50	/No.	1158
[37] 8.67 CHEP 8	Providing and fixing of bright finished brass mortise latch and lock 100x65mm with six levers and a pair of lever handles with brass polished MS screws etc. complete.									
	<b>GROUND FLOOR</b>									
	Doors D	1x2	-	-	-	2				
	Doors D1	10x2	-	-	-	20				
						22	each	971.00	/No.	21362
[38]9. 14/ CHEP 9	Providing and fixing steel door made of angle iron of suitable sizes with M.S. grill of approved pattern made of M.S. flats or square or round bars coat of red oxide zinc chromate primer.									
	Window W	2	1.50		1.20	3.60				
	Window W1	11	1.20		1.20	15.84				
	Window W2	2	1.00		1.20	2.40				
	Ventilator V	7	0.60		0.40	1.68				
	Ventilator V1	2	0.80		0.40	0.64				
	Main Gate	1	6.00		1.80	10.80				
						34.96	sqm			
	<b>40.00kg/sqm</b>					1398.40	kg	79.50	/kg	111173
[39] 9.57 CHEP 9	Providing stainless steel railing/grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete									
9.57.2	SS Grade 304									
	<b>GROUND FLOOR</b>									
	For stair railing	1	6.52	0.90		5.87	Sqm			
		2	3.00	0.90		5.40	Sqm			
		1	3.60	0.90		3.24	Sqm			
						14.51	Sqm			
						@ 12.50 Kg / Sqm	181.35	kg	525.00	/kg 95209



51.1 CHEP 9	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):9.51.1 With float glass panes of 4 mm thickness								
	Window W	2	1.50	1.10		3.30			
	Window W1	18	1.20	1.10		23.76			
	Window W2	4	1.00	1.10		4.40			
	Ventilator V	7	0.60	0.35		1.47			
	Ventilator V1	2	0.80	0.35		0.56			
						33.49	sqm	611.00	sqm 20462
[41] 8.56 CHEP 9	Providing and fixing stainless steel wire mesh of average width of aperture 1.56mm with wire of dia 0.45mm to doors, windows and clerestory windows including 19x12mm teak wood beading etc. complete.								
	asper item no.40					33.49			
	1x0.50x33.49=16.75 sqm					16.75	sqm	649.00	sqm 10868
[42] 1.19 CHEP 1	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	Ground Levelling work	1	44.70	28.50	0.75	955.46	Cum		
		1	35.00	19.50	0.75	511.88	Cum		
						1667.34	Cum	242.00	Cum 403496
[43] 12.65. 2 CHEP 12	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks								
	Surround of Office Building	1	44.70	28.50	-	1273.95	Sqm		
		1	35.00	19.50	-	682.50	Sqm		
		1	497.67	Sqm	-	-497.67	Sqm		
					Total	1458.78	Sqm	632.00	Sqm 921949
								Total Rs	7656133
								Add for 9% Electrification Charge Rs	689052
								Add for 6% Water Supply & Sanitary Charge Rs	459368
								Total Rs	8804553
								Add 3% Contingencies charges Rs	264136
								Total Rs	9068689
								Say Rs	9069000
( Rupees : Ninty Lakhs Sixty Nine Thousand only )									

Sub Engineer  
C.G. Mandi Board Bilaspur

Assistant Engineer  
C.G. Mandi Board Bilaspur

Executive Engineer  
C.G. Mandi Board Bilaspur





# OFFICE OF THE JOINT DIRECTOR C.G. AGRICULTURE MARKETING BOARD, DIVISION - BILASPUR

## MAILED ESTIMATE FOR CONSTRUCTION OF MIG TYPE STAFF QUARTER 02 NOS. AT MANDI YARD - SAKTI, A.P.M.C. - SAKTTI, DISTRICT- SAKTI (C.G.)

S.O.R. : C.G. P.W.D. Building Work S.O.R with Effect From 01.01.2015

S.O.R. : C.G. P.W.D. Electrification Work Effect From 01.07.2015

S.No.	Particulars items of work	No.	length	width	height	Qty	Unit	Rate	Amount
[01]	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. (a) In all types of soils.								
	Columns	18	1.20	1.20	1.80	46.66	Cum		
	septic tank	1	3.50	2.30	1.80	14.49	Cum		
	Plinth protection	1	43.30	0.30	0.30	3.90	Cum		
					<b>Total</b>	<b>65.04</b>	<b>Cum</b>	<b>185.00</b>	<b>12032.96</b>
(b)	Extra for every additional lift of 1.5 m or part thereof. All types of soils								
	Columns	18	1.20	1.20	0.30	7.78	Cum		
	septic tank	1	3.50	2.30	0.30	2.42	Cum		
					<b>Total</b>	<b>10.19</b>	<b>Cum</b>	<b>26.50</b>	<b>270.06</b>
[02]	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Columns	18	1.20	1.20	0.15	3.89	Cum		
	septic tank	1	3.50	2.30	0.15	1.21	Cum		
	porch	1	3.80	3.00	0.10	1.14	Cum		
	steps front	1	4.20	0.70	0.075	0.22	Cum		
	Drawing room	1	3.60	3.00	0.10	1.08	Cum		
	Bedroom	1	4.00	3.60	0.10	1.44	Cum		
	Living room	1	3.60	4.30	0.10	1.55	Cum		
		1	1.30	2.60	0.10	0.34	Cum		
	Bedroom	1	3.60	3.60	0.10	1.30	Cum		
	Kitchen	1	3.30	2.70	0.10	0.89	Cum		
	Court yard	1	3.30	2.40	0.10	0.79	Cum		
	Bath/Toilet	2	2.70	1.20	0.10	0.65	Cum		
		2	1.50	1.20	0.10	0.36	Cum		
	Plinth protection	1	43.30	0.30	0.075	0.97	Cum		
		1	42.90	0.80	0.075	2.57	Cum		
					<b>Total</b>	<b>18.40</b>	<b>Cum</b>	<b>2970.00</b>	<b>54639.83</b>
[03]	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	column footing	18	1.20	1.20	0.20	5.18	Cum		
	T/P(15x0.3/3x(1.2+0.4x0.2x+1.2x0.4x0.2)	15x0.3/3	(1.2+0.4x0.2x+1.2x0.4x0.2)			2.79	Cum		
	T/P(3x0.3/3x(1.2+x0.2x+1.2x0.2)	3x0.3/3	(1.20+x0.20x+1.20x0.20)			0.52	Cum		



Particulars items of work		No.	length	width	height	Qty	Unit	Rate	Amount
		2	4.40	0.20	0.20	0.35	Cum		
		1	4.00	0.20	0.20	0.16	Cum		
		1	8.20	0.20	0.20	0.33	Cum		
		1	2.70	0.20	0.20	0.11	Cum		
		1	4.40	0.20	0.20	0.18	Cum		
		1	3.80	0.20	0.20	0.15	Cum		
		1	3.70	0.20	0.20	0.15	Cum		
		1	7.50	0.20	0.20	0.30	Cum		
	column upto slab level	13	0.20	0.40	0.80	0.83	Cum		
		3	0.20	0.20	0.80	0.10	Cum		
	slab	2	/4	(0.20)2	0.80	0.05	Cum		
	septic tank room	1	3.30	2.10	0.125	0.87	Cum		
		1	4.40	2.40	0.125	1.32	Cum		
		1	8.80	7.40	0.125	8.14	Cum		
	Deduct court yard	1	8.10	5.50	0.125	5.57	Cum		
	ventilator chhajja	1	3.50	2.00	0.125	-0.88	Cum		
	Kitchen platform	1	3.00	0.40	0.10	0.12	Cum		
	wall rack	2	1.00	0.40	0.10	0.08	Cum		
		1	5.00	0.60	0.08	0.24	Cum		
		1	6.00	0.45	0.08	0.22	Cum		
		2	3.60	0.45	0.08	0.26	Cum		
					Total	24.41	Cum	4260.50	104019.26
[04]	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 and plinth all complete: Thermo-Mechanically treated bars FE 415								
	App. 100 kg/cum	1	41.46	100.00	kg/cum	4146.38	kg	54.50	225978
[05]	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
(a)	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	column upto GL	13x2	0.20	-	1.30	6.76	Sqm		
		13x2	0.40	-	1.30	13.52	Sqm		
		3x4	0.20	-	1.30	3.12	Sqm		
		2x	0.20	-	1.30	1.63	Sqm		
	ground beam Outer side	1	46.00	-	0.40	18.40	Sqm		
	inner porch	2	3.00	-	0.40	2.40	Sqm		
	drawing room	2	3.80	-	0.40	3.04	Sqm		
		2	3.60	-	0.40	2.88	Sqm		
	bedroom	2	3.00	-	0.40	2.40	Sqm		
		2	4.00	-	0.40	3.20	Sqm		
	living room	2	3.60	-	0.40	2.88	Sqm		
		2	6.10	-	0.40	4.88	Sqm		
	toilet	2	4.30	-	0.40	3.44	Sqm		
		2x2	2.70	-	0.40	4.32	Sqm		
	kitchen	2x2	1.20	-	0.40	1.92	Sqm		
		2	3.30	-	0.40	2.64	Sqm		
		2	2.70	-	0.40	2.16	Sqm		

Particulars items of work	No.	length	width	height	Qty	Unit	Rate	Amount
bedroom	2	3.60	-	0.40	2.88	Sqm		
	2	3.60	-	0.40	2.88	Sqm		
	2	3.30	-	0.40	2.64	Sqm		
court yard	2	2.40	-	0.40	1.92	Sqm		
septic tank Buffer wall	1	1.50	0.20	-	0.30	Sqm		
	2	1.50	-	0.20	0.60	Sqm		
column upto PL	13x2	0.20	-	0.30	1.56	Sqm		
	13x2	0.40	-	0.30	3.12	Sqm		
	3x4	0.20	-	0.30	0.72	Sqm		
	2x	0.20	-	0.30	1.89	Sqm		
				Total	98.10	Sqm	139.00	13635.90
(b) Columns, Pillars, Piers and likes- rectangular or square in shape								
column upto Lintel	13x2	0.20	-	2.10	10.92	Sqm		
	13x2	0.40	-	2.10	21.84	Sqm		
	3x4	0.20	-	2.10	5.04	Sqm		
	2x	0.20	-	2.10	2.64	Sqm		
column upto top slab level	13x2	0.20	-	0.80	4.16	Sqm		
	13x2	0.40	-	0.80	8.32	Sqm		
	3x4	0.20	-	0.80	1.92	Sqm		
	2x	0.20	-	0.80	1.00	Sqm		
				Total	55.84	Sqm	297.00	16584.48
(c) Beams, lintels, cantilevers & walls								
Lintel Outer side	1	41.00	-	0.20	8.20	Sqm		
inner side	2	3.60	-	0.20	1.44	Sqm		
Drawing room	2	3.00	-	0.20	1.20	Sqm		
	2	4.00	-	0.20	1.60	Sqm		
bedroom	2	3.60	-	0.20	1.44	Sqm		
	2	3.60	-	0.20	1.44	Sqm		
Living room	2	4.80	-	0.20	1.92	Sqm		
	2	4.30	-	0.20	1.72	Sqm		
bedroom	2	3.60	-	0.20	1.44	Sqm		
	2	3.60	-	0.20	1.44	Sqm		
kitchen	2	2.70	-	0.20	1.08	Sqm		
	2	3.30	-	0.20	1.32	Sqm		
court yard	2	2.40	-	0.20	0.96	Sqm		
	2x2	2.70	-	0.20	2.16	Sqm		
toilet	2x2	1.20	-	0.20	0.96	Sqm		
slab beam outer side	1	41.00	-	0.20	8.20	Sqm		
inner side	2	3.80	-	0.20	1.52	Sqm		
Drawing room	2	3.00	-	0.20	1.20	Sqm		
	2	3.60	-	0.20	1.44	Sqm		
bedroom	2	3.00	-	0.20	1.20	Sqm		
	2	4.00	-	0.20	1.60	Sqm		
Living room	2	3.60	-	0.20	1.44	Sqm		
	2	4.80	-	0.20	1.92	Sqm		
toilet	2x2	2.70	-	0.20	1.72	Sqm		
	2x2	1.20	-	0.20	2.16	Sqm		
kitchen	2	3.60	-	0.20	0.96	Sqm		
	2	2.70	-	0.20	1.44	Sqm		
bedroom	2	3.60	-	0.20	1.08	Sqm		
	2	3.60	-	0.20	1.44	Sqm		

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Particulars items of work	No.	length	width	height	Qty	Unit	Rate	Amount
court yard	2	3.60	-	0.20	1.44	Sqm		
	2	3.30	-	0.20	1.32	Sqm		
	2	2.70	-	0.20	1.08	Sqm		
				<b>Total</b>	<b>59.48</b>	<b>Sqm</b>	<b>202.00</b>	<b>12014.96</b>
(d) Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
septic tank slab	1	3.30	2.10	-	6.93	Sqm		
slab room outer chhajja	1	47.60	0.30	-	14.28	Sqm		
porch	1	3.80	3.00	-	11.40	Sqm		
drawing room	1	3.60	3.00	-	10.80	Sqm		
Bedroom	1	4.00	3.60	-	14.40	Sqm		
Living room	1	3.60	4.30	-	15.48	Sqm		
	1	1.30	2.60	-	3.38	Sqm		
toilet	2	2.70	1.20	-	6.48	Sqm		
kitchen	1	3.30	2.70	-	8.91	Sqm		
bedroom	1	3.60	3.60	-	12.96	Sqm		
chhajja court yard	1	3.30	0.60	-	1.98	Sqm		
chhajja ventilator	1	3.00	0.45	-	1.35	Sqm		
	2	1.00	0.45	-	0.90	Sqm		
				<b>Total</b>	<b>109.25</b>	<b>Sqm</b>	<b>235.00</b>	<b>25673.75</b>
(e) Edge of slab, breaks in floor and walls upto 200mm.								
septic tank slab	2	3.30	-	-	6.60	Mtr		
slab room	2	2.10	-	-	4.20	Mtr		
	1	47.60	-	-	47.60	Mtr		
				<b>Total</b>	<b>58.40</b>	<b>Mtr</b>	<b>34.00</b>	<b>1985.60</b>
[06] Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)								
Soling H/wall	1	3.80	0.20	0.10	0.08	Cum		
	1	4.00	0.20	0.10	0.08	Cum		
	1	3.60	0.20	0.10	0.07	Cum		
	1	3.80	0.20	0.10	0.08	Cum		
	2	2.70	0.20	0.10	0.11	Cum		
	1	0.90	0.20	0.10	0.02	Cum		
	2	3.60	0.20	0.10	0.14	Cum		
	2	3.30	0.20	0.10	0.13	Cum		
V/wall	1	2.40	0.20	0.10	0.05	Cum		
	1	3.00	0.20	0.10	0.06	Cum		
	1	0.40	0.20	0.10	0.01	Cum		
	1	3.30	0.20	0.10	0.07	Cum		
	1	2.70	0.20	0.10	0.05	Cum		
	1	4.10	0.20	0.10	0.08	Cum		
	1	3.30	0.20	0.10	0.07	Cum		
	2	2.60	0.20	0.10	0.10	Cum		
	1	2.10	0.20	0.10	0.04	Cum		
	1	2.30	0.20	0.10	0.05	Cum		
above ground beam H/wall	2	3.80	0.20	0.30	0.46	Cum		
	1	4.00	0.20	0.30	0.24	Cum		
	4	3.60	0.20	0.30	0.86	Cum		

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Particulars Items of work		No.	length	width	height	Qty	Unit	Rate	Amount
		1	3.80	0.20	0.30	0.23	Cum		
		2	2.70	0.20	0.30	0.32	Cum		
		1	0.90	0.20	0.30	0.05	Cum		
		2	3.30	0.20	0.30	0.40	Cum		
		1	2.40	0.20	0.30	0.14	Cum		
	V/wall	1	3.00	0.20	0.30	0.18	Cum		
		1	0.40	0.20	0.30	0.02	Cum		
		2	3.30	0.20	0.30	0.40	Cum		
		2	2.30	0.20	0.30	0.28	Cum		
		1	2.70	0.20	0.30	0.16	Cum		
		1	4.10	0.20	0.30	0.25	Cum		
		1	3.30	0.20	0.30	0.20	Cum		
		2	2.60	0.20	0.30	0.31	Cum		
		1	2.10	0.20	0.30	0.13	Cum		
	septic tank	2	3.30	0.30	2.00	3.96	Cum		
	S/W	2	1.50	0.30	2.00	1.80	Cum		
	Buffer wall	1	1.50	0.20	1.00	0.30	Cum		
	plinth protection front side	1	5.20	0.20	0.40	0.42	Cum		
	left side	1	8.60	0.20	0.40	0.69	Cum		
		1	0.70	0.20	0.40	0.06	Cum		
		1	5.50	0.20	0.40	0.44	Cum		
		1	9.10	0.20	0.40	0.73	Cum		
	back side	1	13.70	0.20	0.40	1.10	Cum		
	right side	1	4.00	0.60	0.30	0.72	Cum		
	steps front side	1	4.00	0.30	0.20	0.24	Cum		
	H/wall	1	4.00	0.30	0.20	0.24	Cum		
					Total	16.35	Cum	3263.00	53356.58
b	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 4.0 in super structure in:Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Lintel Level H/wall	2	3.80	0.20	2.10	3.19	Cum		
		1	4.00	0.20	2.10	1.68	Cum		
		4	3.60	0.20	2.10	6.05	Cum		
		2	2.70	0.20	2.10	2.27	Cum		
		1	0.90	0.20	2.10	0.38	Cum		
		2	3.30	0.20	2.10	2.77	Cum		
		1	2.40	0.20	2.10	1.01	Cum		
		1	3.00	0.20	2.10	1.26	Cum		
	V/wall	1	0.40	0.20	2.10	0.17	Cum		
		2	3.30	0.20	2.10	2.77	Cum		
		2	2.30	0.20	2.10	1.93	Cum		
		1	2.70	0.20	2.10	1.13	Cum		
		1	4.10	0.20	2.10	1.72	Cum		
		1	3.30	0.20	2.10	1.39	Cum		
		2	2.60	0.20	2.10	2.18	Cum		
		1	2.10	0.20	2.10	0.88	Cum		
		3	1.00	0.20	2.10	-1.26	Cum		
	Deduction doors	3	0.90	0.20	2.10	-1.13	Cum		
		2	0.80	0.20	2.10	-0.67	Cum		
	window W	4	1.40	0.20	1.20	-1.34	Cum		
		1	0.80	0.20	0.90	-0.14	Cum		

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Particulars Items of work	No.	length	width	height	Qty	Unit	Rate	Amount
Above Lintel Level	2	3.80	0.20	0.80	1.22	Cum		
	1	4.00	0.20	0.80	0.64	Cum		
	4	3.60	0.20	0.80	2.30	Cum		
	2	2.70	0.20	0.80	0.86	Cum		
	1	0.90	0.20	0.80	0.14	Cum		
	2	3.30	0.20	0.80	1.06	Cum		
V/wall	1	2.40	0.20	0.80	0.38	Cum		
	1	3.00	0.20	0.80	0.48	Cum		
	1	0.40	0.20	0.80	0.06	Cum		
	2	3.30	0.20	0.80	1.06	Cum		
	2	2.30	0.20	0.80	0.74	Cum		
	1	2.70	0.20	0.80	0.43	Cum		
	1	4.10	0.20	0.80	0.66	Cum		
	1	3.30	0.20	0.80	0.53	Cum		
	2	2.60	0.20	0.80	0.83	Cum		
	1	2.10	0.20	0.80	0.34	Cum		
Deduction ventilator	2	0.80	0.20	0.40	-0.13	Cum		
	3	0.60	0.20	0.40	-0.14	Cum		
parapet wall front	1	14.00	0.20	0.70	1.96	Cum		
left side	1	13.00	0.20	0.70	1.82	Cum		
right side	1	11.70	0.20	0.70	1.64	Cum		
back side	1	7.50	0.20	0.70	1.05	Cum		
				Total	44.16	Cum	3384.00	149423.90
[07] Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.complete.	1	-	-	-	46.66	Cum		
Total Excavation Qty	1	-	-	-	-3.89	Cum		
Deduct Qty M10	1	-	-	-	-5.18	Cum		
M20	1	-	-	-	-2.79	Cum		
	1	-	-	-	-0.52	Cum		
	1	-	-	-	-1.59	Cum		
	1	3.80	3.00	0.65	7.41	Cum		
porch	1	3.60	3.00	0.75	8.10	Cum		
Drawing room	1	4.00	3.60	0.75	10.80	Cum		
Bedroom front	1	3.60	4.30	0.75	11.61	Cum		
Living room	1	1.30	2.60	0.75	2.54	Cum		
	1	3.60	3.60	0.75	9.72	Cum		
Bedroom back	1	3.30	2.70	0.75	6.68	Cum		
Kitchen	1	3.30	2.40	0.65	5.15	Cum		
Court yard	2	2.70	1.20	0.75	4.86	Cum		
Bath/Toilet	1	5.00	0.80	0.35	1.40	Cum		
Plinth protection front	1	13.80	0.80	0.35	3.86	Cum		
left side	1	15.30	0.80	0.35	4.28	Cum		
right side	1	7.50	0.80	0.35	2.10	Cum		
back side				Total	111.21	Cum	371.00	41258.35
[08] Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.								

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Particulars Items of work	No.	length	width	height	Qty	Unit	Rate	Amount
H/wall	2	4.00	0.20	0.05	0.08	Cum		
	2	4.40	0.20	0.05	0.09	Cum		
	1	8.20	0.20	0.05	0.08	Cum		
	1	2.70	0.20	0.05	0.03	Cum		
	1	3.80	0.20	0.05	0.04	Cum		
	1	3.70	0.20	0.05	0.04	Cum		
	1	7.50	0.20	0.05	0.08	Cum		
V/wall	3	2.40	0.20	0.05	0.072	Cum		
	1	0.40	0.20	0.05	0.004	Cum		
	2	3.60	0.20	0.05	0.07	Cum		
	2	3.00	0.20	0.05	0.06	Cum		
	2	2.60	0.20	0.05	0.05	Cum		
	1	4.30	0.20	0.05	0.04	Cum		
	2	2.70	0.20	0.05	0.05	Cum	4237.00	3321.81
				Total	0.78	cum		
[09] Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto foundation and plinth excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
DPC plinth B/W	1	78.40	0.20	0.05	0.78	Cum		
top of parapet wall	1	46.20	0.20	0.05	0.46	Cum		
septic tank floor	1	2.70	1.50	0.10	0.41	Cum		
Haller parapet wall	1x1/2	45.40	0.10	0.10	0.23	Cum		
Haller window chhajja	3x1/2	1.80	0.10	0.15	0.04	Cum	4073.00	7814.05
				Total	1.92	Cum		
[10] Providing and making 12mm thick cement plaster of mix-In Cement Mortar 1:5 (1 cement : 5 fine sand)								
inner side wall Drawing room	1x2	3.60	-	3.30	23.76	Sqm		
	1x2	3.00	-	3.30	19.80	Sqm		
	1x2	4.00	-	3.30	26.40	Sqm		
inner side wall bed room	1x2	3.60	-	3.30	23.76	Sqm		
	2x2	3.60	-	3.30	47.52	Sqm		
inner side wall bed room back	1x2	4.80	-	3.30	31.68	Sqm		
Living room	2x2	4.30	-	3.30	56.76	Sqm		
	2x2	2.70	-	3.30	35.64	Sqm		
toilet	2x2	1.20	-	3.30	15.84	Sqm		
	1x2	3.30	-	3.30	21.78	Sqm		
kitchen	1x2	2.70	-	3.30	17.82	Sqm		
	1x2	3.30	-	3.30	21.78	Sqm		
court yard	1x2	2.40	-	3.30	15.84	Sqm		
	8x2	0.20	-	2.10	6.72	Sqm		
side of door	4x2	0.20	-	1.20	1.92	Sqm		
side of window	4x2	1.40	-	0.20	1.12	Sqm		
	6	1.00	-	2.10	-12.60	Sqm		
Deduction doors	6	0.90	-	2.10	-11.34	Sqm		
	4	0.80	-	2.10	-6.72	Sqm		
	8	1.40	-	1.20	-13.44	Sqm		
				Total	326.00	Sqm	96.50	31458.90



Particulars Items of work	No.	length	width	height	Qty	Unit	Rate	Amount
Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: 1 part Cement Mortar 1:5 (1 part cement : 5 fine sand)								
outer side wall front wall	1	4.40	-	3.30	14.52	Sqm		
(3.60+0.60)=4.20	1	4.20	-	3.30	13.86	Sqm		
left side (6.80+0.70+5.50)=13.00	1	13.00	-	3.30	42.90	Sqm		
right side	1	11.70	-	3.30	38.61	Sqm		
back side	1	7.50	-	3.30	24.75	Sqm		
parapet wall both side	2	46.20	-	0.75	69.30	Sqm		
top of parapet wall	1	46.20	0.20	-	9.24	Sqm		
septic tank L/W	2	2.50	-	2.00	10.00	Sqm		
S/W	2	1.50	-	2.00	6.00	Sqm		
	1	0.50	-	0.20	0.10	Sqm		
Buffer wall	2	1.50	-	1.20	3.60	Sqm		
	2	1.50	0.20	-	0.60	Sqm		
				Total	233.48	Sqm	113.00	26383.24
[12] Providing and making 6mm thick cement plaster of mix: 1 part Cement mortar 1:4 (1 part cement : 4 fine sand)								
slab projection chhajja	1	47.60	0.30	-	14.28	Sqm		
	1	47.60	0.125	-	5.95	Sqm		
Court yard chhajja	1	3.00	0.60	-	1.80	Sqm		
window chhajja	3	1.80	0.45	-	2.43	Sqm		
porch	1	4.00	3.00	-	12.00	Sqm		
beams	2	2.80	0.20	-	1.12	Sqm		
	2	2.20	0.20	-	0.88	Sqm		
	2	3.80	0.20	-	1.52	Sqm		
Drawing room	1	3.60	3.00	-	10.80	Sqm		
Bedroom front	1	4.00	3.60	-	14.40	Sqm		
Bedroom back	1	3.60	3.60	-	12.96	Sqm		
Living room	1	3.60	4.30	-	15.48	Sqm		
	1	1.30	2.60	-	3.38	Sqm		
Kitchen	1	3.30	2.70	-	8.91	Sqm		
Bath/Toilet	2	2.70	1.20	-	6.48	Sqm		
				Total	112.39	Sqm	87.00	9777.93
[13] Neat cement punning								
Septic tank L/W	2	2.50	-	2.00	10.00	Sqm		
S/W	2	1.50	-	2.00	6.00	Sqm		
	1	0.50	-	0.20	0.10	Sqm		
Buffer wall	2	1.50	-	1.20	3.60	Sqm		
	2	1.50	0.20	-	0.60	Sqm		
				Total	20.30	Sqm	33.00	669.90
[14] Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm thick bed of cement Mortar 1:3 (1 part cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.								
Size upto 200x300mm	2x2	2.70	-	2.10	22.68	Sqm		
Toilet wall	2x2	1.20	-	2.10	10.08	Sqm		

Particulars items of work		No.	length	width	height	Qty	Unit	Rate	Amount
		2x2	0.20	-	2.10	1.68	Sqm		
kitchen plateform		1	5.10	-	0.60	3.06	Sqm		
wash basin in Living room		1	1.20	-	1.20	1.44	Sqm		
Door portion		2	0.80	-	2.10	-3.36	Sqm		
deduction					Total	35.58	Sqm	587.00	20885.46
[15] Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size 300x300mm		2	2.70	1.20	-	6.48	Sqm		
Toilet floor		1	3.30	2.40	-	7.92	Sqm		
court yard		1	11.40	-	0.15	1.71	Sqm		
skirting		1	3.80	3.00	-	11.40	Sqm		
porch		1	3.60	-	0.15	0.54	Sqm		
skirting		1	4.00	1.20	-	4.80	Sqm	692.00	22732.20
steps front (tread & riser)					Total	32.85	Sqm		
[16] Providing and laying vitrified floor tiles with soluble salt printing of size 600x600mm with water absorption less than 0.5% and conforming to IS: 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.600x600mm		1	3.60	3.00	-	10.80	Sqm		
Drawing room		1	13.20	-	0.15	1.98	Sqm		
skirting		1	4.00	3.60	-	14.40	Sqm		
bedroom		1	3.60	3.60	-	12.96	Sqm		
skirting		1	15.20	-	0.15	2.28	Sqm		
skirting		1	14.40	-	0.15	2.16	Sqm		
Living room		1	3.60	4.30	-	15.48	Sqm		
skirting		1	1.30	2.60	-	3.38	Sqm		
skirting		1	18.20	-	0.15	2.73	Sqm		
skirting		1	3.30	2.70	-	8.91	Sqm		
kitchen		1	12.00	-	0.15	1.80	Sqm		
skirting					Total	76.88	Sqm	963.00	74035.44
[17] Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.		3	5.20	3.00	kg/m	46.80	Kg		
Door frame Angl (40x40x5mm) D		3	5.10	3.00	kg/m	45.90	Kg		
D1		36	0.25	3.00	kg/m	27.00	Kg		
hold fast		6	1.00	0.785	kg/m	4.71	Kg		
bottom 10mm # bar		4	5.20	2.60	kg/m	54.08	Kg		
angle(35x35x5mm)1.40x1.20=4no									

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Particulars Items of work	No.	length	width	height	Qty	Unit	Rate	Amount
	4x2	1.20	2.60	kg/m	24.96	Kg		
	1	3.40	2.60	kg/m	8.84	Kg		
0.80x0.90=1nos.	1	0.90	2.60	kg/m	2.34	Kg		
	5x4	0.25	2.60	kg/m	13.00	Kg		
hold fast	2	2.40	2.60	kg/m	12.48	Kg		
ventilator (35x35x5) (0.80x0.40) 2 nos.	2	2.00	2.60	kg/m	10.40	Kg		
(0.60x0.40) 2nos	16	0.25	2.60	kg/m	10.40	Kg	73.50	19176.89
hold fast				Total	260.91	Kg		
[18] Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
window grill	4	1.40	-	1.20	6.72	Kg		
W1	1	0.80	-	0.90	0.72	Kg		
V1	2	0.80	-	0.40	0.64	Kg		
ventilator	3	0.60	-	0.40	0.72	Kg		
			20.00 kg/sqm		8.80	Kg	67.50	11880.00
			Total	Total	176.00	Kg		
[19] Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 300 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.								
window shutter	4x4	0.35	-	1.18	6.61	Kg		
W1	1x2	0.40	-	0.88	0.70	Kg		
			20.00 kg/sqm		7.31	Kg	75.00	10968.00
			Total	Total	146.24	Kg		
[20] 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 to be paid for separately: For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (For fixed portion).								
V	2	0.80	-	0.40	0.64	Kg		
V1	2	0.60	-	0.40	0.48	Kg		
			10.00 kg/sqm		1.12	Kg	331.00	3707.20
			Total	Total	11.20	Kg		



Particulars Items of work		No.	length	width	height	Qty	Unit	Rate	Amount
[22]	Providing and fixing glazing in aluminium window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4 mm thickness	2x4	0.76	0.10	-	0.61	Sqm		
	Ventilator (0.80x0.40) 2nos.	2x4	0.56	0.10	-	0.45	Sqm		
	V1				Total	1.06	Sqm	611.00	645.22
	(0.60x0.40) 2nos								
[23]	Providing and fixing flush door shutters, core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering on one face and commercial ply veneering on the other face of the shutter with vertical grains, cross bands and face veneering excluding hinges. 30 mm. thick (single leaf)	3	1.00	-	2.10	6.30	Sqm		
	D (1.00x2.10) 3nos.	3	0.90	-	2.10	5.67	Sqm	1514.00	18122.58
	D1(0.90x2.10) 3nos.				Total	11.97	Sqm		
	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.	2	5.00			10.00	mtr	346.00	3460
[24]	Door Toilet (0.80x2.10)								
	Providing and fixing factory made 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm $\pm$ 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures specification.	2	0.80		2.10	3.36	Sqm	2583.00	8678.88
	Door Toilet (0.80x2.10) 2nos.								
	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete: 250x16mm	8	-	-	-	8	each	344.00	2752.00

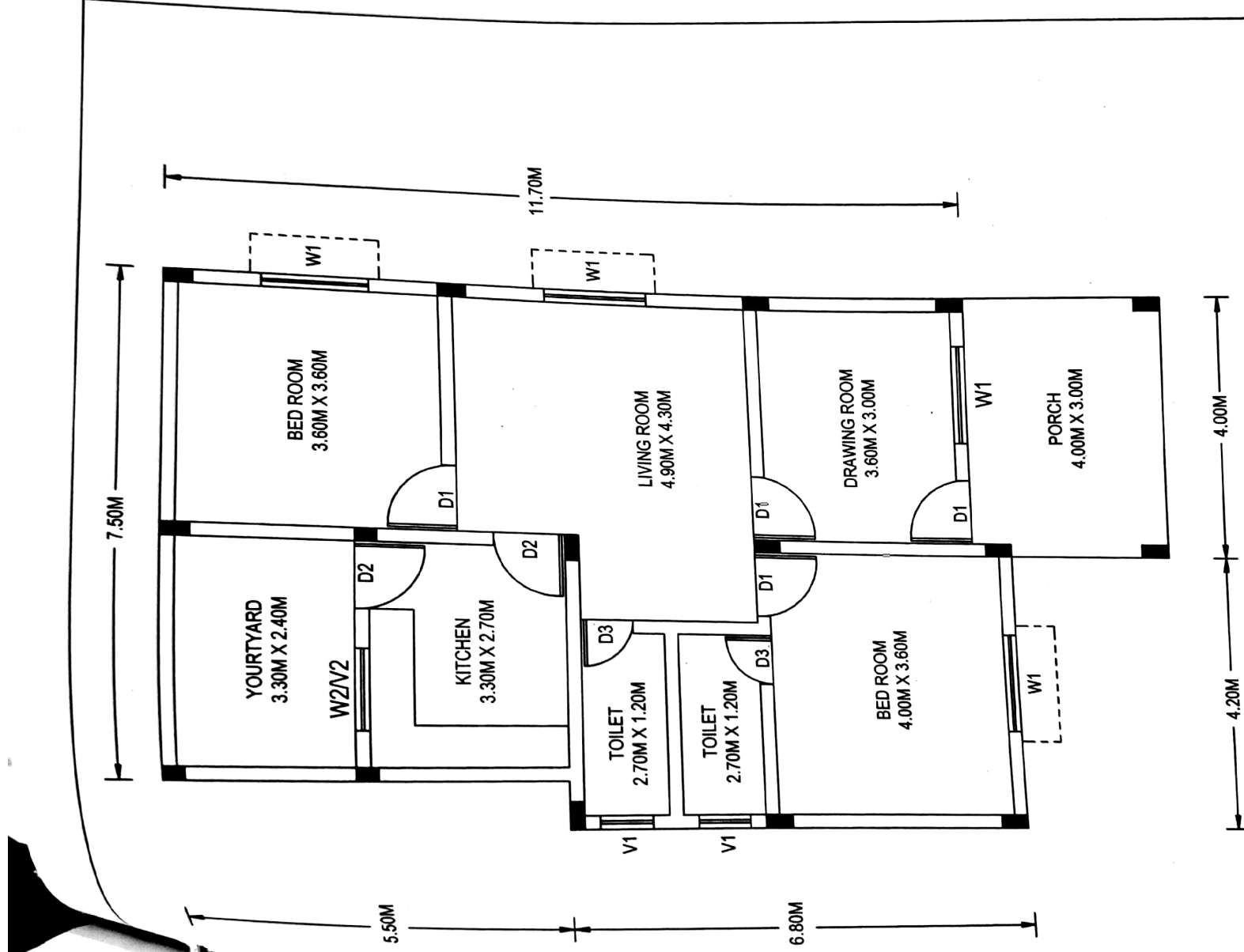
Er.S.K.Sidar A.E. BSP 2024

Particulars items of work		No.	length	width	height	Qty	Unit	Rate	Amount
Providing and fixing brass door latch with brass polished MS screws complete: 150x16x5 mm		8	-	-	-	8	each	268.00	2144.00
Providing and fixing bright finished brass lower bolts (barrel type) with brass polished MS screws complete: 200x10mm									
Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm		8	-	-	-	8	each	231.00	1848.00
Providing and fixing 150mm bright finished brass floor door stopper with rubber cushion & brass polished MS screws etc complete to suit the shutter thickness.		16				16	each	55.50	888.00
15mm thick Marble stone slab flooring over 18mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including grinding rubbing and polishing etc.complete. (Area of slab should be 0.50 sqm and above) Udaipur green marble		8				8	each	73.00	584.00
kitchen platform		1	2.60	0.60	-	1.56	Sqm		
		1	2.70	0.60	-	1.62	Sqm		
					Total	3.18	Sqm	1497.00	4760.46
Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement		1	44.30	1.00	-	44.30	Sqm	222.00	9834.60
plinth protection									
Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete Upto 2 mm thickness to make surface even and smooth in line and level.						326.00	Sqm	63.00	20537.94
same Qty 12mm thick plaster									
Providing and applying plaster of paris putty over plastered ceiling surface including scaffolding complete.Upto 2 mm thickness to make surface even and smooth in line and level.						112.39	Sqm	66.00	7417.74
same Qty 6mm thick plaster									
Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.						233.48	Sqm		
same Qty 15mm thick plaster						326.00	Sqm		
same Qty 12mm thick plaster						112.39	Sqm		
same Qty 6mm thick plaster					Total	671.87	Sqm	23.00	15452.99

Particulars items of work		No.	length	width	height	Qty	Unit	Rate	Amount
Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface and including priming coat of exterior primer and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)									
same Qty item no.35						233.48	Sqm	74.50	17394.26
[36] Distemper with acrylic washable distemper to give an even shade.On new work (Two or more coats)						326.00	Sqm	38.00	12388
same Qty item no.33 & 34									
[37] Painting on new work (two or more coats) to give an even shade with:Premium synthetic enamel paint									
door		3x2	1.00	-	2.10	12.60	Sqm		
		3x2	0.90	-	2.10	11.34	Sqm		
window W		4x2	1.40	-	1.20	13.44	Sqm		
		4	1.40	-	1.20	6.72	Sqm		
window grill		1x2	0.80	-	0.90	1.44	Sqm		
W1		1	0.80	-	0.90	0.72	Sqm		
window grill		2	0.80	-	0.40	0.64	Sqm		
ventilator		3	0.60	-	0.40	0.72	Sqm		
					Total	47.62	Sqm	47.00	2238.14
[38] Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701- marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank									
		1	1000	-	-	1000.00	liter	7.30	7300.00
[39] Constructing masonry Chamber 30x30x50 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C.I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 ( 1 cement : 5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :									
		2	-	-	-	2	each	754.00	1508.00
								Total Rs	1162614.00
								Add 9% Electrification work Charges Rs	104635.00
								Add 6% Sanitary & Water Supply Charges Rs	69757.00
								Total Cost of 01 Nos Staff Quarter Rs	1337006.00
								Hence Cost of 02 Nos Staff Quarter Rs	2674012.00
								Add for 3 % for Contingencies Charge Rs	80220.00
								Total Rs	2754232.00







## PROPOSED PLAN FOR STAFF QUARTER MIG TYPE

DRAWING BY :- Er. SHIV KUMAR SIDAR  
 CHECKED BY :- Er. SHIV KUMAR SIDAR  
 DATE :- 20-02-2025

PROPOSED DRAWING FOR MIG TYPE STAFF QUARTER AT MANDI  
 YARD - SAKTI, K.U.M.S. - SAKTI, DISTT.- SAKTI (C.G.)

SUB ENGINEER ASSISTANT ENGINEER EXECUTIVE ENGINEER

*[Signature]* *[Signature]* *[Signature]*  
 11/3/2025

**OFFICE OF THE JOINT DIRECTOR C.G. STATE AGRICULTURAL MARKETING BOARD BILASPUR (C.G.)**  
**DETAIL'S ESTIMATE FOR R.C.C. DRAIN AT MANDI YARD - SAKTI, K.U.M.S. - SAKTI,**  
**DISTRICT - SAKTI (C.G.)**

SCHEDULE OF RATES FOLLOWS :

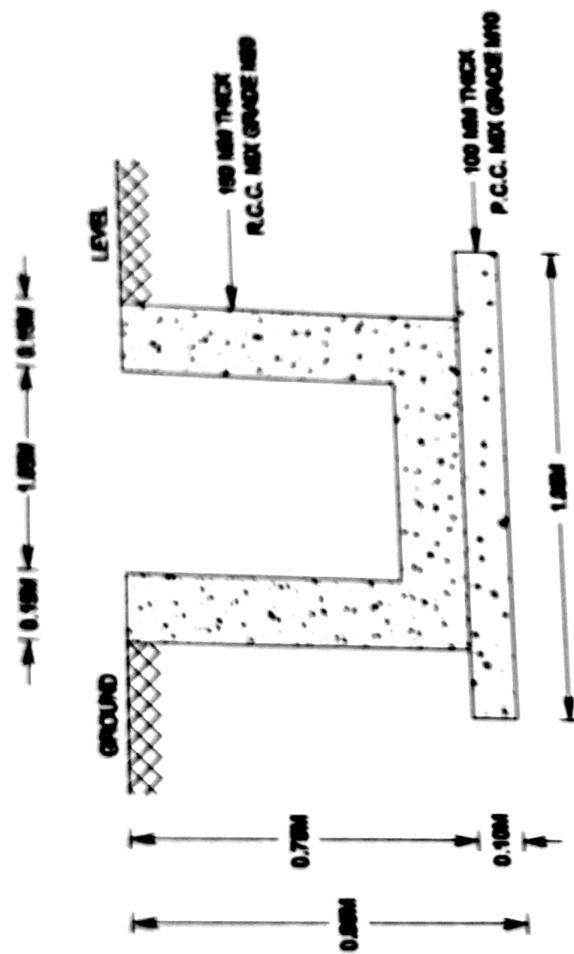
C.G.P.W.D. BUILDING WORKS S.O.R. WITH EFFECT FROM DATE 01.01.2015

S.No.	Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
			L.	B.	H./D.					
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
[01]	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.									
	As per S.O.R. Item No. 1.1.1, Page No.9	1	150.00	1.05	0.85	133.88	Cum	185.00	/Cum	24767.00
	For R.C.C.Drain									
[02]	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
	As per S.O.R. Item No. 3.1.3, Page No.23	1	150.00	1.05	0.10	15.75	Cum	2970.00	/Cum	46777.00
	For R.C.C.Drain									
[03]	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	As per S.O.R. Item No. 3.2.1, Page No.23	1	150.00	0.75	0.15	16.88	Cum			
	For R.C.C.Drain	2	150.00	0.15	0.60	27.00	Cum			
					Total	43.88	Cum	4163.00	/Cum	182672.00
[04]	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 and plinth all complete: Thermo-Mechanically treated bars FE 415									
	As per S.O.R. Item No. 3.12.1, Page No.24									
	For R.C.C.Drain	750	2.10	0.395		622.13	Kg			
		13	149.95	0.395		769.99	Kg			
		169	0.40	0.395		26.70	Kg			
					Total	1418.82	Kg	54.50	/Kg	77325.00
[05]	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:									


Er.S.K.Sidar A.E. BSP



Particulars Item of work	No.	Measurements			Quantity	Unit	Rate	Unit	Amount
		L.	B.	H./D.					
[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
(a) Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
As per S.O.R. Item No. 2.1.1, Page No.16	2	150.00	-	0.75	225.00	Sqm			
For R.C.C.Drain	2	150.00	-	0.60	180.00	Sqm			
	2	1.95	0.15	-	0.59	Sqm			
				Total	405.59	Sqm	139.00	/Sqm	56377.00
(b) Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand).									
As per S.O.R. Item No. 11.1.2, Page No.103	1	150.00	0.45	-	67.50	Sqm			
For R.C.C.Drain	2	150.00	-	0.60	180.00	Sqm			
	2	1.95	0.15	-	0.59	Sqm	87.00	/Sqm	12884.00
				Total	148.09	Sqm			
				Cost of R.C.C. Drain 100.00 Meter Length Rs					
				Add for 3 % for Contingencies Charge Rs					
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**CROSS SECTION OF DRAIN**

  
 A.G.  
 7/3/2025  
 E.E