

PROPOSED ESTIMATE FOR CONSTRUCTION OF GRAM PANCHAYAT MEETING HALL

As per WB P.W.D Building Schedule of Rates valid through 01.11.2017

Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)	
1	1,2a	Earth work in excavation in foundation trenches or drains or, septic tank soak well etc in all sorts of soil (including mixed soil but excluding moorum and laterite or sand stone) including removing, spreading or stacking the spoils within a lead of 75 M as directed including trimming the side of trenches leveling dressing and ramming the bottom bailing or pumping out water etc. as required complete.Depth of excavation not exceeding 1.5 m (not required showing)										
		a) Depth of excavation not exceeding 1,500 mm.										
		For Footings	12	2.40	1.80	1.50	77.76					
		For Tie Beam (for outer wall)	1	54.50	0.25	0.20	2.73	80.485	Cum	119.27	9,599.45	
		(b) Depth of excavation for additional depthbeyond 1,500 mm. and upto 3,000 mm. but notrequiring shoring										
		For Footings	12	1.80	2.40	0.30	15.55	15.552	Cum	192.38	2,991.89	
2	2,(4,B)	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed an consolidating same by through saturation with water ramming complete including the cost of supply of sand [payment to be made on measurement of finished quantity.]										
		For Footings	12	1.80	2.40	0.30	15.55					
		For Tie Beam (for outer wall)	1	54.50	0.25	0.15	2.04					
		Below floor	1	15.10	5.30	0.30	24.01					
		Deduction for inner tie beam	1	18.00	0.25	0.30	-1.35	40.255	Sqm	509.85	20,523.88	
3	1,(3a)	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)(1/5 of Excavation)	1					14.806	Cum	77.54	1,148.06	
4	Rate Analysis Attached	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes										
		For Footings	12	1.80	2.40	0.15	7.78	7.776	Cum	5411.18	42,077.34	
		Floor	1									
5	15,8(a)	Brick work with 1st class brick in cement mortar (6:1)										
		In foundation & plinth up to PL	1	54.50	0.25	0.10	1.36	1.363	Cum	5103.00	6,952.84	
6	15,8(b)	1st class brickwork in super structure										
		For Ground floor(250mm 6:1)	1	11.40	0.25	2.85	8.12					
		For First floor	1	45.50	0.25	3.00	34.13					
		For Stair Room on top floor	1	13.60	0.25	2.10	7.14					
		Less for Doors	D	2	1.20	0.25	2.10	-1.26				
			D1	2	0.75	0.25	2.10	-0.79				
			W1	7	1.20	0.25	1.20	-2.52				
			For Stair Entry	1	2.40	0.25	3.00	-1.80	43.020	Cum	5325.00	2,29,081.50

Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
16,16		125 mm th. Brick work with 1st class bricks in cement mortar (1:4)									
		Foor First Floor	1	23.63		3.00	70.88				
		For Stair Railing -	2	3.10		0.75	4.65				
		Less for Windows	1	9.50		1.20	-11.40				
		For Parapet Wall	1	43.55		0.75	32.66	96.788	Sqm	701.00	67,848.04
7	42,36 f & a	Hire and labour charges for shuttering with centering and necessary staging upto 4 m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and stricking out after completion of works.(upto roof of ground floor)									
		Side of footing	12	8.80		0.15	15.84				
			12	8.80		0.25	26.40				
			12	8.80		0.35	36.96				
		Column (G.L to P.L)	12	0.30		0.90	3.24				
			12	0.30		0.10	0.36				
		Side of tie beam (for outer wall)	1	54.50		0.35	19.08				
								101.515	Sqm	203.00	20,607.55
		Shuttering for column, beam, chajja, slab									
		For Column	12	1.40		4.90	82.32				
		Side of lintel	2	63.00		0.15	18.90				
		Chajja for windows	7	1.40	0.45		4.41				
		Side of roof beam - 1	12	6.78		0.33	26.42				
		Side of roof beam - 2	4	15.10		0.18	10.57				
		Stair Fight Slab	4	3.00		1.20	14.40				
		Bottom of Stair slab for landing	2	2.40		1.20	5.76				
		Bottom of roof Slab	2	15.60	6.98		217.62				
		Deduction for Column Opening(12x1)	-12	0.40		0.30	-1.44				
								378.963	Sqm	321.00	1,21,647.00
8	Rate Analysis Attached	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes									
		Footing	12	1.70	2.30	0.25	11.73				
			12	2*0.35=0.7			8.40				
		Column	12	0.30	0.40	4.90	7.06				
		Tie beam	1	54.50	0.25	0.35	4.77				
		Lintel	2	63.00	0.25	0.15	4.73				
		Chajja	7	1.40	0.45	0.08	0.33				
		Stair Slab	4	3.00	1.20	0.15	2.16				
		Stair	40	1.20	0.25	0.15	1.80				
		Stair landing	2	2.40	1.20	0.15	0.86				
		Roof beam-3 (G.F & F.F)	12	6.78	0.25	0.33	6.61				
		Roof Beam-2 (G.F & F.F)	4	15.00	0.25	0.18	10.50				
		Roof Slab(Ground floor & 1st Floor)	2	15.60	6.98	0.13	27.20				
						86.14	Cum	5962.65	5,13,639.0		

Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
14	140,5(vii)	Iron butt hinges of approved quality fitted and fixed with steel screws,with ISI mark									
		100mm X 58 mm X 1.9 mm for doors &						92.000	nos.	47.00	4,324.00
15	141,8(d) & (c)	Iron socket bolt of approved quality fitted and fixed complete									
		For Doors(225mm long x 10mm dia bolt.)	5					5.000	nos.	77.00	385.00
		For Windows (150mm long x 10mm dia bolt.)	7					9.000	nos.	63.00	567.00
16	142,10(i)(c)	Iron hasp bolt approved quality fitted and fixed complete (oxidized)with 16 mm dia rod with centre bolt & round fitting (300mm long.)									
			5					5.000	nos.	166.00	830.00
17		Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]									
A	189,1(i)(c)	15 mm thick inside plaster with cement mortar 1:6									
		For Ground floor	1	11.40		2.85	32.49				
		For First floor	1	94.23		3.00	282.68				
		Less for doors & windows W1	7	1.20		1.20	-10.08				
		D	2	1.20		2.10	-5.04				
		D1	2	0.75		2.10	-3.15	296.895	Sqm	134.00	39,783.93
B	189,1(i)(b)	20 mm thick outside plaster with cement mortar 1:6									
		For Ground floor	1	13.10		2.85	37.34				
		For First floor	1	43.55		3.00	130.65				
		Less for doors & windows W1	7	1.20		1.20	-10.08	157.905	Sqm	152.00	24,001.56
C	189,1(ii)(c)	10 mm thick ceiling plaster with cement mortar 1:4	2	15.00	6.78		203.25	203.250	Sqm	122.00	24,796.50
18	194,1(c)	White washing including cleaning and smoothening surface thoroughly. All floors...Three coats (On new work only).									
		Quantity same as the inside + ceiling plaster quantity					500.15	500.145	Sqm	20.01	10,008.00
19	194,3(ii)(b)	Colour washing with "ELLA" with a coat of white wash priming including cleaning and smoothening surface thoroughly : External surface (ground floor). Two coats									
		Quantity same as the outside plaster quantity					157.91	157.905	Sqm	21.77	3,438.00
20	197,15(iii)	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification....In Ground floor. Two coats									
		Qty as per sl no 18+ sl no 19					658.05	658.050	Sqm	49.00	32,244.00
21	200,1(b)	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.									
		W1	7	1.00		1.00	7.00				
		D	3	1.08		2.00	6.45				
		D1	2	1.08		2.00	4.32				

Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
		C.G	2	2.00		2.10	8.40	26.170	Sqm	38.00	994.46
22	201,3(B)(b)	8 (B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface.									
		(Quantity same as priming surface) (b) Two coats						26.170	Sqm	57.00	1,491.69
23	54,17	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]									
		Stair Step-	40	1.00	0.40			16.000	Sqm		
		Stair Landing	2	2.00	1.00			4.000	Sqm		
		For Step of Plinth level	1	2.40	1.20			2.880	Sqm		
								22.880	Sqm	1002.00	22,925.76
24	55,22(a)(i)	Supplying, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & treads etc. over 20 mm (av.) thck base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/Sq.m before placing marble & jointed with white cement slurry @ 2.0 kg/Sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering in -Charge in Ground Floor. {White cement and Pigment to be supplied by the Agency]									
		(a) With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur pink / Udaypur Green / Black Bhaslana (i) Area of each Slab/tile upto 0.3 sq.m.	1	15.00	6.78			101.625	Sqm		
								101.625	Sqm	1446.00	1,46,949.75
TOTAL COST Rs.											18,70,936.59
Add GST@ 12%(B)											2,24,512.39
Cost ofcivil works excluding labour welfarecess(C=A+B)											20,95,448.98
Add Labour Cess @ 1.00%(D)											20,954.49
Cost ofcivil works including labour welfarecess(E=C+D)											21,16,403.47
Contingency(3%)											62,863.47
TOTAL ESTIMATED COST											21,79,267.00
TOTAL ESTIMATED COST(IN WORD)-TWENTY ONE LAKH SEVENTY NINE THOUSAND TWO HUNDRED SIXTY SEVEN ONLY											

ANNEXURE-II

FORMAT-A

(Format for Rate Analysis of Cement Concrete items)

Cement Concrete 1:1.5:3

Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes P-26, IT no- 10 of PWD Building Schedule of Rates

4248.00 A

Gradation of Stone Metal

10 mm graded aggregates

20 mm graded aggregates

Cost of material Pakur variety (P-308) T-1 from midnapore Railway Yard,

1569.00

1700.00

Carriage T-2, P - 310

Upto 5km 124.00

5-10km 10.90 X5 54.50

10-20km 10.10X10 101.00

20-50km 9.50X00 0.00

50-100 8.40X50 0.00

100-150 7.90X50 0.00

C 279.50

1569.00

1700.00

Cost of 20 mm grades aggregates (P-B-60)

0.86 cum 0.573 1700.00

974.10

Cost of 10 mm grades aggregates (P-B-60)

0.86 cum 0.287 1569.00

450.30

1424.40 B

Cost of 20 mm grades aggregates (P-B-60)

0.86 cum 0.573 279.50

160.15

Cost of 10 mm grades aggregates (P-B-60)

0.86 cum 0.287 279.50

80.22

240.37 C

Loading & Unloading (D)T-3, P - 311

0.86 cum 58.00

49.88 D

A+B+C+D

5962.65

Cement Concrete 1:2:4										
Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes P-24, IT no- 4 of PWD Building Schedule of Rates								3647.00	A	
Gradation of Stone Metal			10 mm graded aggregates				20 mm graded aggregates			
Cost of material Pakur variety (P-308) T-1 from midnapore Railway Yard, Distance=20 Km.			1569.00				1700.00			
Carriage	T-2, P - 310		1569.00				1700.00			
Upto 5km		124.00								
5-10km	10.90 X5	54.50								
10-20km	10.10X10	101.00								
20-50km	9.50X00	0.00								
50-100	8.40X50	0.00								
100-150	7.90X50	0.00								
C		279.50	1569.00				1700.00			
Cost of 20 mm grades aggregates (P-B-60)			0.88	cum	0.66	1700.00	1122.00			
Cost of 10 mm grades aggregates (P-B-60)			0.88	cum	0.22	1569.00	345.18			
							1467.18	B		
Cost of 20 mm grades aggregates (P-B-60)			0.88	cum	0.66	279.50	184.47			
Cost of 10 mm grades aggregates (P-B-60)			0.88	cum	0.22	279.50	61.49			
							245.96	C		
Loading & Unloading (D)T-3, P - 311			0.88	cum		58.00	51.04	D		
						A+B+C+D	5411.18			