

**ESTIMATE FOR PROPOSED GATE AT HIJLI COLLAGE AT HIJLI,
KHARAGPUR, PASCHIM MEDINIPUR, WEST BENGAL.**

ITEM NO	G-floor plan	Quantity	Rates/unit	Amount
1	<p><u>Item no. 2(a) p-1</u> Earth work Excavation on foundation trench in all sorts of soil including removing spreading or stacking the soils with in a lead of 75 mm as directed including trimming the bottom bailing & pumping out water for column structure depth not exceeding 1.5m- F1=1.2x1.2x1.8x5=12.96m³ CF1=1.2x2.4x1.8x2=10.36m³</p>	23.32	119.27	2781.38
2	<p><u>Item no.4(b) p-2</u> Fine Sand filling in foundation or plinth level , layer not exceeding 15 cm as directed and consolidating same by through saturation bywater and ramming complete including the cost of supply of sand. =2.16m³+1.73m³ Quantity -3.89m³</p>	3.89	509.85	1983.32
3	<p><u>Item no.1,p-14</u> Single Brick flat soling of picked jhama bricks including preparation of bed as necessary with brick joints properly filled in & packed with powdered earth and including necessary cushion of similar material below the soling complete as per direction. F1=5x1.2x1.2=7.2m² CF1=1.2x2.4x2=5.76m² Total=12.96m²</p>	12.96	343	4445.28
4	<p><u>Item no.4(a).p-24</u> Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground flooras per relevant IS codes. a) Pakur Variety for p.c.c. Total quantity-1.296m³</p>	1.296	3647	4726.51
5	<p><u>Item no. 7(a) p-15</u> Brick work for (1:4) in 1st class brick with0.25m cement mortar in foundatio & plinth 24.8x0.6x0.25=3. 72m³</p>	3.72	5371	19980.12
6	<p><u>Item no. 8(b) p-15</u> Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure, ground floor 14.29x3x0.25=10.72m³</p>	10.72	5325	57084
7	<p><u>Item no-16.p-16</u> 125 mm. thick 1st class bricks in cement mortar(1:4) in ground floor 4.66x3=13.98m²</p>	13.98	701	9799.98
8	<p><u>Item no. 10(iv).p-26</u> Ordinary cement concrete (mix 3:1.5:1) M-20 with graded stonechips (20mm.down) excludingShuttering & reinforcement If any, In G-flooras&foundation. With local hard blackstone variety chips(crusher broken) <u>Tie beam-</u> TB1=(0.25x0.3x10.44)=0.78m³ TB2=(0.25x0.3x14.22)=1.06 <u>Footing</u> F=3.24m³</p>			

	<p>Slab:- 2.53m³+0.755m³=3.29m³</p> <p>Column Vol of coloumn – C1-(4.3X0.25X0.25)X5=1.34m³ C2-(4.3X0.25X0.3)X4=1.29m³</p> <p>Lintel beam- 0.35m³</p> <p>Quantity = 11.35cu.m @ Rs- 4963.00 /cu.m</p>	11.35	4963	56330.05
9	<p>Shuttering – Item no, 36(a)p-42-----25mm – 30mm thickness Hire & labour charges for shuttering with centering & necessary staging up to 4m using approved stout props & thick & hard wood planks of approved thickness ith required bracing for concrete slbs,beams, coloumns, lintels, curved or straight including fitting, fixing &striking out after completion of works (up to roof of G-floor).25 mm to 30mm wooden shuttering as per decisions& direction of Engineer in charge.Shuttering for R.C.C. work 3x plinth area=3x16.68=50.04m² @Rs- 321.00</p>	50.04	321	16062.84
10	<p>Steel reinforcement Item no, 40(a)-(i)-I,p-44 Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening andremoval of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper positi on G71and binding with 16gauge black annealed wire at every intersection, complete as per drawingand direction. I. SAIL/ TATA/RINL Total reinforcement =2 % of total vol of concrete 11.35x0.02 x 7.85 mt =1.78mt@ Rs -58103/mt</p>	1.78	58103	103423.34
11	<p>Plastering Item no, 1(ib)),p-189 Plaster (to wall , ceiling etc) with sand & cement mortar including rounding off or Chamfering corners as directed and taking Chamfering corners as directed Surface including throating, nosing, drip course Where necessary. a) inner wall 20 mm thick (1:6) 25.02m² @Rs.152.00/m²</p>	25.02	152	3803.04
	<p>b) outer wall 20mm thick(1:6) 93.72m² m²@Rs-152.00/Sq.m</p>	93.72	152	14245.44
12	<p>Iteam no-15, p-192 2) Neat cement punning in about 15 mm thick inwall Dado, window, sills etc. 19.04+2.5+6.04=27.58m² @ Rs-34.00/Sq.m</p>	27.58	34	937.72
13	<p>Paints Item no.2(a)ii P -200 1) Paints with best quality synthetic enamel paint of approved make & brand including smoothing of surface.by sand</p>			

	papering etc including using of approved putty . Two coat white shade a) inner =86.64m2@ Rs- 78.00/m2	86.64	78	6757.92
14	Item no.1(b) P -200 Priming one coat on plastered surface with synthetic oil bound primer of approved quality including smoothening surface by sand paper <u>86.64m2@Rs-38.00/ sq.m</u>	86.64	38	3292.32
15	Item no.-17 P -197 protective & decorative acrylic exterior emulsion paint of approved quality , as per manufacturer's specification & as per direction of EIC to be applied over acrylic primer as required . The rate includes cost of materials labours, scaffolding & all incidental charges but excluding cost of primer. a) Normal acrylic- outer wall <u>93.72m2@ Rs- 62.00/m2</u>	93.72	62	5810.64
16	Item no.4.P-201 Applying exterior grade acrylic primer of approved quality & brand based on plastered surface old or new surface to receive decorative textured or smooth finish acrylic exterior emulsion paint including scraping & preparing the surface thoroughly , complete as per manufacturer's specification as per direction of EIC.=93.72m2 @Rs-31.40	93.72	31.4	2942.81
17	Item no -4 p-24 Ordinary concrete mix for flooring (1:2:4) with graded stone chips (20mm nominal size) excluding shuttering & reinforcement ,if any in ground floor as per relevant IS code. 6.4x0.1=0.64m3	0.64	4297	2750.08
18	Item no.3.p-47 Supply & laying polythene sheet (150gm/sq.m) over damp proof course or below flooring . 16.68m2 @ Rs-24.00/m2	16.68	24	400.32
19	Door & window Item no.1, P -114 2) Wood work in door frames including Joinery works & cutting rebates as required Supplied fitted & fixed completely including paint as per direction. 75mmx125mm section Door- a) Sal siliguri 0.047m3 @ Rs- 87222.00/m3	0.047	87222	4099.434
20	Item No 1 P-117 Panel shutter of door ,as per design including fitting, fixing in the same in position ii) 35 mm thick shutter with 19mm thick in sisu/gamar 1.89m2 @ Rs-2789.00/m2	1.89	2789	5271.21
21	Item no.1(b). P -200 Priming one coat on timber surface with synthetic oil bound primer of approved quality including smoothening surface by sand paper <u>1.89m2x3.6=6.80m2@Rs-38/ sq.m</u>	6.8	38	258.40
22	Item no.2(a)ii P -200 1) Paints with best quality synthetic enamel paint of approved make & brand including			

	smoothing of surface.by sand papering etc including using of approved putty . Two coat white shade on timber...6.8m2@ Rs-78.00	6.8	78	530.40
23	Item no.13(A), P-244 Supplying aluminium door closer as perl.S.I. 1 NOS @ Rs-635.00	1	635	635
24	Item no.4 P-140 M.S.clamp for fixing door & window frame of flat bent bar- as per direction a) 40mm x 6mm above 250 mm D-1x 6 =6nos Total-6nos @ Rs-29.00/each 40mmx6mmx125mm length -1nos Rs-20.00/each	6 1	29 20	174 20
25	Item no.25-(c), P-93 Iron socket bolt of approve quality fitted & fixed150mm x10 mm diamouzi make 1x4= 4nos @ Rs-63.00/nos	4	63	252
26	Item no.27-(b), P-93 Iron hasp bolt of approve quality fitted & fixed completely with 16mm dia rod with centered bolt & round fitting .250 mm long 1x2=2 nos @Rs- 159.00/each	2	159	318
27	Item no.5, P-140 iron butt hinge cleat with new hinge & new screws 100x75x3.5mm . ,1X 4 =4nos@RS.66/each	4	66	264
28	Item no.9,p-141 Iron skeleton bolt of approved quality fitted & fixed 375mmx10mm dia. 1x2=2 nos @Rs-92.00/each	2	92	184
29	Item no.24, P-143 nut washer - complete75 mm dia : iron door rings 1x2 =2 nos. @ Rs-28.00/each	2	28	56
30	Item no.20(b), P-107 Supplying fitting fixing window & ventilators IS 1308-1975 7452-1974 &manufactoring from rolled steel section confroming IS 7452-1974with nonfriction projecting type, box hinges ,glazing clips,luges locking bracket, hnadle plates etc, including in position. straighting ifrequired , fixing luges in cement concrete(1:2:4).openable window shutter. W=1x1.2x1.2=1.44m2 Total =1.44m2@ 1663.00/sq.m	1.44	1663	2394.72
31	Item no.1, P-205 Supplying buble free float glass of approved make & brand conforming to IS:2835-1987....5mm th. Coloured/smoke/tinted glass=1.44m2@ Rs-536.00/-	1.44	536	771.84
32	Item no.13(a)-(ii), P-104 a)M.S. or W.I. ornamental grill ornamental grill of approved designjoints continiously welled with M.S .or WI flats& bars of window ,railingin stair case etc. fitte & fixed with necessary screws & luges in G-floor ii) grill weigning above 16 kg/sq.m=1.44X16= 23.04 kg=0.23 qt @Rs- 7046/-	0.23	7046	1620.58
33	Item no.1(i), P -200 Priming one coat on steel or other metal surface with synthetic oil boundeprimer of approved quality including smoothing surface by sand paper 1.44m2x2=2.88m2 @Rs-29.00/ sq.m	2.88	29	83.52
34	Item no-2(b)(i), P -200			

1) Paints with best quality synthetic enamel paint of approved make & brand including smoothing of surface by sand papering etc including using of approved putty . Two coat white shade on steel. 2.88m2 @ Rs-77.00/m2	2.88	77	221.76
Total civil cost-----	Rs-		334711.97
TOTAL CIVIL COST-Rs-3,34,712/-	Rs-		334712.00
Electricity cost 10% of civil cost-			33471.2
sanitary & Plumbing cost 7% of civil cost-			23429.84
		Total-	391613.04
Total project cost-----Rs-3,91,613/- (RUPEES EIGHT IAKHS FOUR THOUSANDS NINE HUNDREDS THIRTY FOUR ONLY)	say	Rs-	3,91,613/-
sign & seal of Architect-			

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Total civil cost 1st floor-----Rs-

TOTAL CIVIL COST-Rs-1,10,65,727.94	Rs-		0.00
Cost of GST @12%			
	Rs-		#REF!
LABOUR WELFARE CESS @1%	Rs-		#REF!
	Total-		#REF!
<u>CONTINGENCY@3%--</u>	Rs-		#REF!
	Total-	Rs-	#REF!
Electricity cost 20% of civil cost-		Rs-	#REF!
sanitary & Plumbing cost 15% of civil cost-	Total-		#REF!
	Rs-		#REF!
Total project cost----- Rs-1,74,05,655.00	Rs-		#REF!
(RUPEES ONE CRORE SEVENTY FOUR LAKHS	Total cost of project-		#REF!
FIVE THOUSANDS SIXHUNDREDS	say Rs-		1,74,05,655.00
FIFTY FIVE ONLY)			
sign & seal of Architect-			

