


OFFICE OF MUNICIPAL COUNCIL MANDIR HASAUD DISTRICT RAIPUR (C.G.)			
ESTIMATE FOR CONSTRUCTION OF NAVEEN BHAWAN GOVT. PRATHMIK SHALA INDIRA COLONY AT N. P.P. MANDIR HASAUD			
No.	ITEM	R.S/ Unit	AMOUNT
	CIVIL WORK		
	BUILDING WORK	Attached	1046000.00
1	ESTIMATE FOR PAVER BLOCK		102000.00
2		Sub Total	1148000.00
			1135558.00
	SUB TOTAL	Rs.	1148000.00
		Say in lacs	11.48
			11.36


Sub Engineer
 MUNICIPAL COUNCIL MANDIR HASAUD
 Municipal Council Mandir Hasaud
 Dist.-Raipur (C.G.)


 CHIEF MUNICIPAL OFFICER
 MUNICIPAL COUNCIL MANDIR HASAUD
 नगर पालिका मंदिर हसौद
 जिला-रायपुर (छ.प्र.)

Technically Approved For Rs. 11.36 lacs
 in words Rs. Eleven lakh & thirty thousand only
 is Here By Accorded for Works Construction of Naveen
 Bhawan at Govt. Prathmik Shala at Indira colony (with paverwork)
 ILB Name Mandir Hasaud Dist. Raipur
 de T.S. No. Date


 Sub. Engineer
 Urban Administration & Development
 (Tech. Cell) Raipur (C.G.)


 Executive Engineer
 Urban Administration & Development
 (Tech. Cell) Raipur (C.G.)

OFFICE OF THE NAGAR PALIKA MANDIR HASAUD

ESTIMATE FOR PRUPOSED CONSTRUCTION WORK OF NEW BHAWAN

Calculations are based on C.G.P.W.D. S.O.R. Building effected from 01.01.2015 & Electrical effected from 01.06.2020

S.N.	Particulars of Item	No.	Length	Width	H/D	Qty.	Rate	Amount
1	2	3	4	5	6	7	8	9
1	Excavation for all types & 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. (SOR Chp- 1.1.1)							
	Column for Building	9	1.50	1.50	1.50	30.375		
		4	1.60	1.60	1.50	15.36		
	Below plinth beam	8	3.95	0.30	0.10	0.95		
		6	2.80	0.30	0.10	0.50		
		2	5.90	0.30	0.10	0.35		
	For Steps	2	1.80	0.90	0.10	0.32		
					Total	47.87	185.00	8855.00
					cum		per cum	
2	Providing & 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) (SOR Chp- 3.1.3)							
	For Footing	9	1.50	1.50	0.10	2.03		
		4	1.60	1.60	0.10	1.02		
	Below plinth beam	8	3.95	0.30	0.10	0.95		
		6	2.80	0.30	0.10	0.50		
		2	5.90	0.30	0.10	0.35		
	For Steps	2	1.80	0.90	0.10	0.32		
	For Room Floor	2	8.20	6.10	0.10	10.00		
					Total	15.18	2970.00	45094.00
					cum		per cum	
3	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) (SOR Chp- 3.2.1)							
	Column Footing	9	1.30	1.30	0.20	3.04		
		9	0.90	0.90	0.20	1.46		
		4	1.40	1.40	0.20	1.57		
		4	1.00	1.00	0.20	0.80		
	Column up to Plinth level	4	0.20	0.30	1.60	0.86		
		9	0.30	0.30	1.60	0.58		
		4	0.30	0.30	0.30	1.90		
	Plinth Beam	8	3.95	0.20	0.30	1.01		
		6	2.80	0.20	0.30	0.94		
		2	5.90	0.20	0.40	0.94		
					Total	12.16	4163.00	50605.00
					cum		per cum	

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)								
	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:								
	(SOR Chp- 3.2.1 & 3.4)								
	Column From Plinth to slab level	9	0.20	0.30	3.60	1.83			
	Lintel	4	0.30	0.30	3.60	1.22			
		8	3.95	0.20	0.20	1.26			
		6	2.80	0.20	0.20	0.67			
	Chhajja	4	1.20	0.60	0.10	0.29			
		1	17.00	0.60	0.10	1.02			
	Slab Beam	8	3.95	0.20	0.30	1.90			
		6	2.80	0.20	0.30	1.01			
		2	5.90	0.30	0.50	1.77			
	Slab	1	17.60	7.10	0.125	15.63	15.63	110986.02	
					Total	26.78	4260.50	114088.00	
						cum	per cum		
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 all complete:								
	Thermo-Mechanically treated bars FE 415							187420.05	
	(SOR Chp- 3.12.1)								
	(12.16+26.78 = 38.93)	1	38.93	90	---	3504.06	54.50	190971.00	
						Kg	per kg		
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.								
	(SOR Chp-2.1.1)								
	Sides of Footing	36	1.30	---	0.20	9.36			
		36	0.90	---	0.20	6.48			
		16	1.40	---	0.20	4.48			
		16	1.00	---	0.20	3.20			
	Column[2x(0.20+0.30)] = 1.00 m.	9	1.00	---	1.60	14.40			
		4	1.20	---	1.60	7.68			
	Plinth Beam (2x1 = 2)	16	3.95	---	0.30	18.96			
		12	2.80	---	0.30	10.08			
		4	5.90	---	0.40	9.44			
					Total	84.08	139.00	11687.00	
						Sqm.	per sqm		
7	Brick work with modular fly-ash lime bricks (FAL G 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)								
	(SOR Chp- 7.5.4)								
	Wall upto plinth	8	3.95	0.20	0.30	1.90			
		6	2.80	0.20	0.30	1.01			

		2	5.90	0.20	0.20	0.47		
	For Step	2	1.80	0.90	0.20	0.65		
		2	1.80	0.80	0.20	0.43		
		2	1.80	0.30	0.20	0.22		
					Total	4.67	3263.00	16246.00
						cum	per cum	
8	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:							
A	Columns, Pillars, Piers and likes- rectangular or square in shape (SOR Chp- 2.1.5)							
	Column P.L. to Slab	9	1.00	---	3.60	32.40	30.60	
		4	1.20	---	3.60	17.28	16.32	
					Total	49.68	297.00	14755.00
						16.92 cum	per cum	13935.24
B	For Beams, lintels, cantilevers & walls (SOR Chp-2.1.8)							
	Lintel (2 x 1 =2)	16	3.95	---	0.20	12.64		
		12	2.80	---	0.20	6.72		
	Slab Beam	16	3.95	---	0.30	18.96		
		12	2.80	---	0.30	10.08		
		4	5.90	---	0.50	11.80		
		2	5.90	0.30	---	3.54		
					Total	63.74	202.00	12875.00
						Sqm.	per sqm	
C	Weather shade, chhajja, Cornices and mouldings (SOR Chp-2.1.13)							
	Chhajja	4	1.20	0.60	---	2.88		
		8	---	0.60	0.10	0.48		
		1	17.00	0.60	---	10.20		
		2	---	0.60	0.10	0.12		
					Total	13.68	294.00	4022.00
						Sqm.	per sqm	
D	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) (SOR Chp-2.1.7)							
	Main Slab	1	17.80	7.10	---	124.96	120.70	
					Total	124.96	235.00	29366.00
						Sqm.	per sqm	26314.5
9	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. (SOR Chp-1.17)							
						26.06	65.00	1694.00
					55% of Item No.- 01	cum	per cum	

10	Providing & 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.							
	(SOR Chp-1.18)							
	Pit	9	1.50	1.50	1.50	30.38		
		4	1.60	1.60	1.50	15.36		
	Room	2	8.20	6.10	0.50	50.02		
	Deduction For-----				Total	95.76		
	P.C.C.	1	-	-	-	3.05		
	R.C.C.	1	-	-	-	8.31		
	Stuff.	1	-	-	-	26.06		
	Deductions for base and concrete & stuff-				Total	-37.42		
					G.Total	58.34	371.00	21642.00
						cum	per cum	
11	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 20 mm nominal size) including formwork.							
	(SOR Chp-3.13)							
		1	60.20	0.20	0.05	0.60	4237.00	2551.00
						cum	per cum	
12	Brick work with modular fly-ash lime bricks (FAL G Bricks) confirming to IS:12894-2002 of class designation 40 in Superstructure:							
	Cement Mortar 1:6(1cement:6 coarse sand)							
	(SOR Chp-7.5.4 & 7.6)							
		8	3.95	0.20	3.10	19.59		
		6	2.80	0.20	3.10	10.42		
					Total	30.01		
	Deductions for Openning ----- Window	8	0.90	0.20	1.20	1.73		
	Door	2	1.20	0.20	2.10	2.02	1.00	
	Ventilator	6	0.60	0.20	0.45	0.32		
					Total	4.07	3.05	
	Net quantity of Brick masonry				G.Total	25.94	3384.00	87781.00
						26.96 cum	per cum	91232.14
13	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.							
	(SOR Chp-9.13)							
	Door 30.00 kg/sqm	2	1.20	2.10	30.00	302.40	151.20	
	Window	8	0.90	1.20	30.00	259.20		
	Ventilator 30.00 kg/sqm	6	0.60	0.45	30.00	48.60		
					Total	610.20	75.00	45765.00
						453.10 kg	per kg	34425.00
14	Providing & fixing M.S. Grills of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc.including including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.							

(SOR Chp-9.15)									
	Window	8							
	Ventilator 30.00 kg/sqm	6	0.60	1.20	30.00	269.20			
			0.60	0.45	30.00	48.60			
15	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand).				Total	307.80	67.50	20777.00	
	(SOR Chp- 11.2.4)					kg	per kg		
	Inside Wall								
	Room	4	8.20	--	3.60	118.08	111.52		
		3.4	6.10	--	2.40	65.88	82.66		
	Deductions -----				Total	183.96	194.40		
	Opening - W	8	0.90	--	1.20	8.64			
	D	4	1.20	--	2.10	10.08	5.04		
	Net plaster Qty. (After Deduction)				Total	175.72	5.12.68		
					G.Total	165.24	91.50	15119.00	
16	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)				180.60	sqm	per sqm	16843.20	
	(SOR Chp- 11.3.4)				4.00				
	Outer wall	2	17.00	---	4.63	157.25	136.00		
	(Total height= 0.6+3.6+0.12+0.3+0.3=4.60 m)	2	6.50	---	4.00	60.13	52.00		
	(0.6+3.4) Inner wall	1	6.10	---	3.60	24.96	188.00		
					Total	239.34	107.00	25609.00	
	3.4 = 3.20 + 0.10 + 0.10				Deduction	13.68	sqm	per sqm	18652.24
17	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. 50 mm thick								
	(SOR Chp- 12.3.2)								
	In Steps	2	1.80	0.90	--	3.24			
					Total	3.24	254.00	823.00	
						sqm	per sqm		
18	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 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
	(SOR Chp- 12.12)								
	Room	2	8.20	6.10	--	100.04			
	Sckerting	1	57.20	--	0.15	8.58			
					Total	108.62	963.00	104601.00	
						sqm	per sqm		
19	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.								
	(SOR Chp-14.12)								
	Ceiling				Same as Item No. 8/D	124.96			
	12 mm thick Plaster				Same as Item No. 15	165.24	186.80		
	15 mm thick Plaster				Same as Item No. 16	239.34	174.32		
					Total	529.54	23.00	12179.00	
					480.08	sqm	per sqm	13920.32	

providing & laying glazed vitrified floor tiles (600/600) with digital point or random design with white cement & matching pigments etc. complete.

providing & applying polyurethane cement primer on wall surface applied @ 0.80 lit/sqm complete for work.

20	Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow dunk processing to give protective and decorative finish including cleaning washing of surface etc. complete with:	provide & applying on exterior surface with premium exterior emulsion paint - complete for work (with super warranty)					
	On new work (Two or more coats applied @ 1.43 ltr/10 sqm over)						
	(SOR Chp-14.50.1)	14.68					
	Outer Wall	Building	2	17.00	-	4.63	157.25
			2	6.50	-	4.63	60.13
							126.00
							52.00
						Total	217.38
							79.00
							84.00
							17173.00
21	Distemper with acrylic washable distemper manufactured with the cow dunk processing to give an even shade. work (Two or more coats) on new	provide & applying synthetic oil based washable distemper - complete for work					
	(SOR Chp-14.48.1)						
	Inside Plaster	Building	1	Same as It No. 15		165.24	160.00
		Ceiling	2	8.20	6.10	-	100.04
		Beam Sides	4	5.90	-	0.50	11.80
		Slab Projection	2	17.60	0.30	-	10.56
			2	6.50	0.30	-	3.90
		Chhajja	4	1.20	0.60	-	2.88
			1	17.00	0.60	-	10.20
						Total	304.62
							53.00
							16145.00
							18286.74
22	painting on new work (Two or more coats) to give an even shade with. Satin/synthetic enamel paint.	provide & applying satin/smooth finish enamel paint - complete for the work					
	(SOR Chp-14.22.1)						
		Door	4	1.20	-	2.10	10.08
		Window	8	0.90	-	1.20	8.64
		Grille	8	0.90	-	1.20	8.64
		Ventilator	6	0.60	-	0.45	1.62
						Total	28.98
							23.04
							79.00
							80.05
							1022.88
							59.85
							72.49
							55.00
							173.00
							3985.00
							873407.00
23	Add 9% for Water Supply, Sanitary & Electrification work						77223.00 (+)
	Add 9% for Electrification work						77223.00 +
	ADD RWH						15000.00
							1022258
							G.Total Rs.
							1045620.26
							Say Rs.
							10,46,000.00

Sub Engineer
Nagar Palika Mandir Hasaud
Municipal Council Mandir Hasaud
Dist.-Raipur (C.G.)

Chief Municipal Officer
मुख्य नगरपालिका अधिकारी
नगर पालिका मंदिर हसौद
जिला-रायपुर (छ.ग.)

Technically Approved For Rs.
In Words Rs.
Is Here By Accorded for Works
S. E. Name Dist.
S. T. S. No. Date

Sub. Engineer
Urban Administration & Development
Tech. Cell Raipur (C.G.)

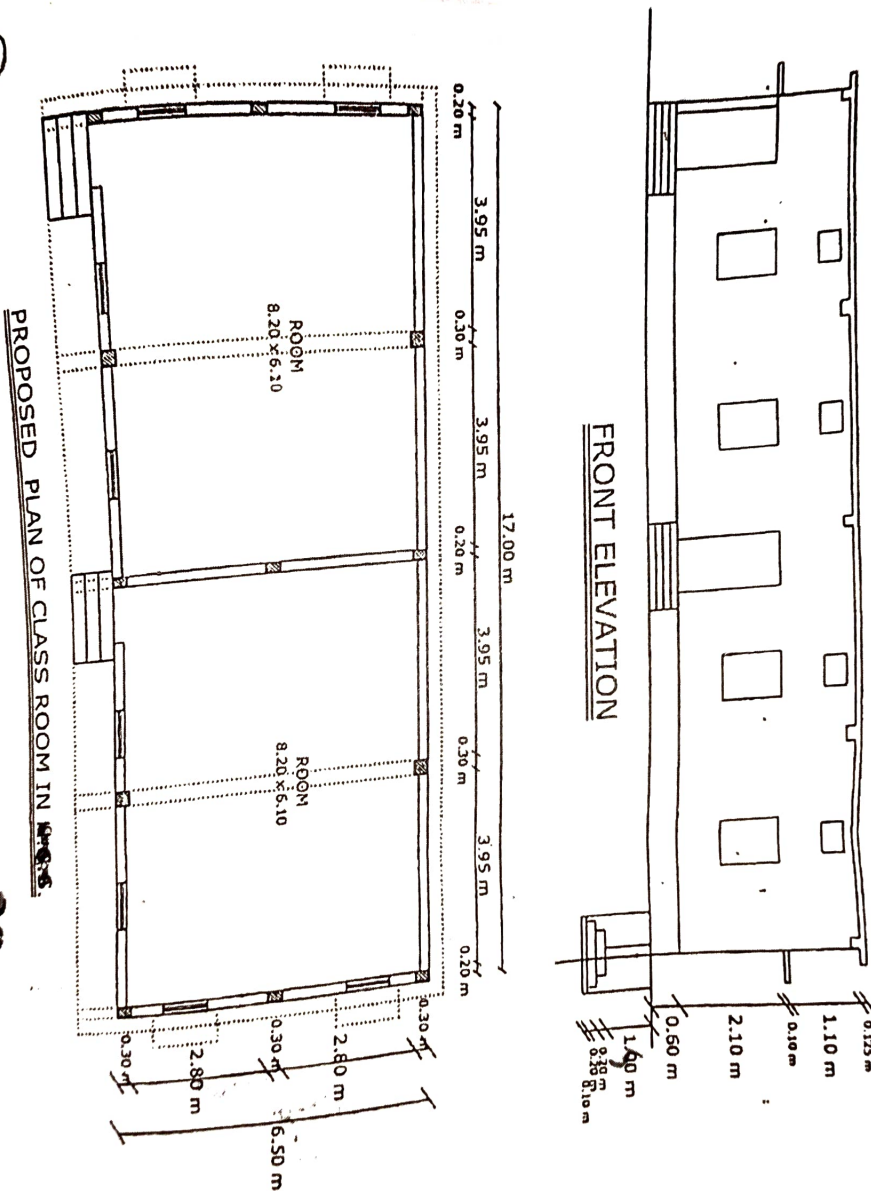
Executive Engineer
Urban Administration & Development
(Tech. Cell) Raipur (C.G.)

ESTIMATE FOR PAVER BLOCK

Sd/- Engineer
Nagar Palika mandal Hasaud
Municipal Council Mandla Hasaud
Dist.-Raipur (C.A.)

मुख्य नगरपालिका अधिकारी
नगरपालिका मादिर हसीद
जिला-रायपर (छ.ब.)

final



[Signature]
Sub Engineer
Municipal Council Mandir Hassud
Dist. Binnur (C.G.)