

GENERAL ABSTRACT

Name of the Works :	Detail Estimate for the Renovation of C Type Quarter – One Block 02 Unit in the Campus of Netarhat Residential School, Netarhat Latehar
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The rate of items are based on schedule of rate for- 2022 & D.S.R.2021

SN	Particulars	Amount (Rs.)
1	Renovation of 2 unit one block of C Type Quarter	487297.09
2	Internal Electrification	31232.20
3	Septic Tank	101287.00
	Sub-total (A)	619816.29
	Add GST @ 18% of Sub-total (B)	111566.93
	Sub-total (B)	731383.22
	Add Labour cess @ 1% of Sub-total (A)	7313.83
	Grand Total	738697.05
	Say Rs.	738697.00

Annexure - I

Renovation of Staff Quarter Slope Roof (Nariya tiles & G.C.I Sheet) Buildings of 1 Block-C(2 units) in campus of Netarhat Residential School, Netarhat, Latehar										
<i>The rate of items are based on Jharkhand B.C.D Schedule of Rate w.e.f. 1st July-2022 and D.S.R-2021</i>										
SI No.	Item No.	Description of Items	No.	Length (ft.)	Breath (ft.)	Height (ft.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	5.10.18	Taking down singly layer naria tiles, carefully Stacking properly on ground within 15M. lead and disposal of disposal with all leads complete as per direction of E/L								
		Trangle	2	26.50	14.25		768.50	sft		
		Staight	2	56.50	14.50		1638.50	sft		
		Kitchen/Bath/store	2	14.50	10.83		314.07	sft		
		Ver+Drawing Trangle	2	14.50	14.50		406.00	sft		
		Toilet	2	12.00	7.50		180.00	sft		
							3307.07	sft		
							307.35	M2	12.13	3728.14
2	5.15.15	Taking down C.A of G.C.I. Sheet in roofs with ridges including stacking the serviceable materials within 15M. Lead and disposal of								
		Area above item no 1					307.35	M2		
		Taken 5%					15.37	M2	24.26	372.82
3	5.10.13	Taking down ceiling (any type) and refixing them after repair with department material, within 15M. lead and disposal of unserviceable materials with all leads all complete as per								
		Area above item no 1					307.35	M2	24.26	7456.31
4	5.10.7	Dismantling old plaster and pointing in cement or lime and raking out joints to 15mm depth, watering and disposal of unserviceable materials with all leads all complete as per direction of E/L								
		Inner								
		Inner side small Room	4	12.00	10.00		480.00	sft		
		Room	2	10.25	18.50		379.25	sft		
		Ver	2	7.00	18.50		259.00	sft		
		RM1	2	12.00	10.00		240.00	sft		
			2	12.00	18.50		444.00	sft		
			2	9.00	18.50		333.00	sft		
		RM2	4	9.00	18.50		666.00	sft		
			4	12.00	13.50		648.00	sft		
		Inner side ver	2	17.00	13.50		459.00	sft		
			2	8.33	9.00		149.94	sft		
		Courtyard	2	17.83	8.00		285.28	sft	A	
							4343.47	sft		
			2	31.83	8.00		509.28	sft		
			2	12.82	8.00		205.12	sft		
			2	7.42	8.00		118.72	sft		
			2	10.16	18.50		375.92	sft		
							9895.98	sft	A	
		Deduction for opering								
		D1	4	3.83	6.83		104.64			
		D2	10	3.50	6.50		227.50			

		D3	4	3.00	6.50		78.00			
		W1	2	3.00	5.00		30.00			
		W2	14	3.00	4.00		168.00			
		W3	2	2.50	2.91		14.55			
		V1	2	2.00	2.00		8.00			
							630.69			
		Outer side								
			2	5.16	18.25		188.34			
			4	7.83	9.50		297.54			
			2	9.83	14.25		280.16			
		Courtyard								
			2	31.83	8.00		509.28			
			2	12.82	8.00		205.12			
			2	7.42	8.00		118.72			
			2	10.16	18.50		375.92			
							1480.44			
		TOTAL (ABC)					10745.73			
		Taken 10%					1074.57			
							99.87	M2	20.86	2083.23
5	5.10.4									
		Floor area RM	6	12.00	9.00		648.00			
			2	10.25	7.00		143.50			
		Inner Side Ver	2	17.00	6.00		204.00			
		Inner ver	2	8.33	4.00		66.64			
		Servant Room	2	6.83	4.00		54.64			
		Kitchen	2	6.83	6.83		93.30			
		Stone	2	6.83	4.00		5.64			
		W.C	4	3.50	4.50		63.00			
			2	27.50	5.50		302.50			
			2	23.00	6.58		302.68			
			2	13.00	6.66		173.16			
		Outer Door	2	3.50	4.50		31.50			
							2137.56			
		Taken 15%					320.63			
							29.80	M2	40.72	1213.40
6	12.45	Providing and fixing false ceiling at all heght including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and								
	12.45.1	12.5 mm thick lapered edge gypsum plain board contorming to Is : 2011 (Board with BIS certification Marks)								
		RM	6	12.00	9.00		648.00	Sft		
		Ver	2	7.00	10.25		143.50	Sft		
							791.50	Sft		
							73.56	M2	995.44	73224.05
7	5.9.6	Providing single layer Naria tiles in roof including cost of all labour and materials, taxe. All complete as per building specification and								
		Direction of E/I								
		Area v item no 1					307.35	M2		
		Taken 30%					92.20	M2	207.24	19108.47
8	5.10.29	Labour for telaying double layer naria tiles roof with old and new departmental tiles at all places								

		Qty v item no 1 item no 7					92.20	M2	48.51	4472.84
9	Supply 179 m1671 p45	Supplying GCI sheet roofing with old & new sheet 0.8 mm thick								
		Taken 15% item no. 1					46.10	M2		
		7.03					324.10	Kg	50.22	16276.25
10	5.9.11	Labour for fitting and fixing G.C.I or C.A sheet roofing in proper stope including washers, carriage								
		As per item no. 1					46.10	M2	166.51	7676.49
11	5.9.11	Labour for fitting and fixing G.C.I or C.A sheet ridge including the cost of "J" or "L" hooks, limpet and bitumen washers, carriage of sheet to work								
			1	1.00	197.00		197.00	Sft		
							18.31	M2	61.99	1134.95
12	5.4.57	Supplying fitting and fixing glass panes including supplying putty. Beads and nails alther taking out old and broken glass panes and disposal of								
	5.4.57.1	3mm plain	10	1.00	0.75		7.50			
							0.70	M2	488.53	340.52
13	5.6.9	Providing 50 mm thick 2 nd class patent stone flooring (1:2:4) with 20mm, to 6mm size graded stone chips finshed with flooring coat of neat								
		Courtyard	2	27.50	5.50					
			2	23.00	6.58		302.68	Sft		
			2	13.00	6.66		173.16	Sft		
		Outer Door	2	3.50	4.50		31.50	Sft		
							Total	809.84	Sft	
							75.26	M2	505.28	38029.36
14	5.6.7	Providing 25 mm thick first class patent stone flooring (1:2:4) with stone chips in two layers, botton layears 19mm thick (1:2:4) with 12mm								
		Qty v item no 13					75.26	M2	326.60	24581.20
15	5.7.3	Providing 12 mm cement plaster (1:6) with clean coarse sand of F.M 1.5 including screening, curing with all leads lifts of water, scaffolding								
		Qty v item no4					99.87	M2	165.80	16558.01
16	13.80 DSR	Providing and applying plaster of paris (POP) putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete								
		Qty v item no 4 D					10745.73	Sft		
		Or					998.67	M2	107.58	107437.32
17	5.8.17	Providing two coats of oil bound distemper of approved shade and make over old surface including washing, cleaning and papering the								
		Qty vide item 4 (A-B)					9265.29	Sft		
							Or	860.77	M2	74.27
18	13.47	Finishing walls with premium acrylic smooth exterior paint with								
		New work (Two or more coats applied @ 143 lte/10 sqm over and including priming coat of								
		Qty v item no 4 C					1480.44	Sft		

Annexure - II

Estimate For Internal Electrification (C TYPE)

The rate of items are based on schedule of rate Energy Deppt. W.e.f. 28th July-2022

1	1.3	Wiring for lig/fan point/exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed conduit							
	1.3.1	Group –A	2.00			20	Point	40.00	800.00
2	1.23	S/F Piano type switch/socket:-							
		Supplying and fixing following piano type switch/socket on the existing switch box/ cover including connections etc. as required.							
	1.23.1	5/6 amps, one way switch				6	Each	32.00	192.00
	1.23.4	3 pin 5/6 amps, socket outlet				6	Each	43.00	192.00
	1.23.3	15/16 amps, one way switch				6	Each	92.00	552.00
	1.23.5	15/16 amps, 6 pin socket outlet				6	Each	90.00	540.00
3	1.7	Wiring for circuit submain wiring along with earth wire with the following sizes of PVC insulated copper conductor single core cable in surface of recessed PVC conduit as reqd.							
A	1.7.1	2 x 1.5 sq mm + 1x 1.5 sq mm earth wire				20.00	Mtr	147.00	2940.00
B	1.7.2	2 x 2.5 sq mm + 1x 2.5 sq mm earth wire				10.00	Mtr	196.00	1960.00
C	1.7.4	2 x 6 sq mm + 1x 6 sq mm earth wire				8.00	mtr	351.00	2808.00
4	1.25	S/F modular type stepped tube electronic fan regulator on the existing plate switch box including connection but excluding modular plate etc as required				6	Each	293.00	1758.00
5	1.30	S/F metal box of 180 x 100 x 60 m deep on surface/recessed with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 and 15/16 amp socket outlet and 15/16	4.00			8	Each	32.00	256.00
6	1.34	S/F brass batton/Angle holder including connection etc. as reqd.	4.00			8	Each	32.00	256.00
7	1.33	S/F 3 point 5 Amp ceiling rose on the existing junction Box wooden block including connection etc. as reqd.	4.00			6	Each	24.00	144.00
8	9.5.2	20/22 watt LED Tube Light	4.00			10	Each	40.00	400.00
9	2.8	S/F the following way single pole and nutral sheet steel M.C.B.D.B consumer unit 240 V on surface/recess							
	2.8.4	2+8 way				1	Each	841.00	841.00
10	2.11	S/F 'B' series S.P. MCB:-							
		Supply and fixing 6 amps to 32 amps rating 240 volts, 'B' series, miniature circuit breker suitable for lighting							
	2.11.1	6/32 amps, single pole, "B" series				1	Each	182.00	182.00
11	2.12	S/F 'C' series MCB:-							
		Supply and fixing ollowing, 240 volts, 'C' series, miniature circuit breker suitable for inductive loads of							
	2.12.3	6/32 amps, SPN				1	Each	443.00	443.00
	2.12.10	50/63 amps, DP				1	Each	1308.00	1308.00
12	9.4.1	supply of 48" (1200 mm) ceiling fan Bajaj/Crompton or any other approved make etc without regulator				6	Each	1748.00	10488.00
13	M846	LED flood Light 50/60 W				2.00	Each	2553.10	5106.20
Sub-Total Rs.									31232.00

Annexure - III

Detailed Estimate for Construction of Septic Tank (C TYPE)

Sl.No	DESCRIPTION	NOS	L	W	H	QTY	Rate	AMOUNT (Rs.)
1	2	3	4	5	6	7	8	9
1/ 5.1.1 + 5.1.2	Earth work in excavation in foundation trenches in ordin all complete as per direction of E/I							
		1	12.00	6.00	6.00	432.00		
					Cum	12.23	167.33	2047.00
2/ 5.1.10	Providing coarse clean Sand filling in foundation trenches or in plinth all complete as per direction of E/I							
		1	12.00	6.00	0.50	36.00		
					Cum	1.02	589.51	601.00
3/ 5.6.3	Providing designation 75B brick flat solling in foundation and plinth all complete as per direction of E/I							
		1	12.00	6.00		72.00		
					sqm	6.69	330.34	2210.00
4/ 5.3.1.2	Providing P.C.C M150 with nominal mix of (1:2:4) in foundation- all complete as per direction of E/I							
		1	12.00	6.00	0.50	36.00		
					Cum	1.02	4598.23	4687.00
5/ 5.2.6	Providing designation 75B brick work in C.M. (1:6) in foundation and plinth all complete as per direction of E/I							
	L/W	2	12.00	0.83	6.00	119.52		
	S/W	2	4.34	0.83	6.00	43.23		
	B/W	2	4.34	0.42	6.00	21.87		
	Total				Cft	184.62		
					Cum	5.23	5110.26	26715.00
6/ 5.3.11	Providing R.C.C. M 200 with nominal mix of (1:1½:3) in lintel- all complete, as predilection of E/I							
		1	6.00	0.42	0.50	1.26		
					Cum	0.04	6308.87	225.00
7/ 5.7.1 +5.7.11	Providing 12 mm thick C.P. (1:3) with 1.5 mm neat cement punning – all complete job as per direction of E/I							
	In side – base	2	10.34	4.34		89.75		
	In side – Wall	2	10.34	6.00		124.08		
		2	4.34	6.00		52.08		
	Buffle Wall	4	4.34	6.17		107.11		
	Top of Wall	2	12.00	0.83		19.92		
	"	2	4.34	0.83		7.20		
	"	2	4.34	0.42		3.65		
	Total				Sft	403.79		
					Sqm	37.53	235.03	8820.00
8/ 5.3.11	Providing R.C.C. M 200 with nominal mix of (1:1.5:3) in slab –all complete, as per direction of E/I							
	Cover	1	12.00	6.00	0.50	36.00		
					Cum	1.02	6308.87	6431.00
9/ 5.5.4	Providing Tor T.M.T. steel Reinforcement as approved design and drawing all complete as per direction of E/I							
	Main Ba 8 mm dia Main Bar	48.00	6.00			288.00		

	Distribution Bar 8mm dia	13.00	12.00			156.00		
	Total				Rft	444.00		
					Rm	135.37		

	Quantity @ 0.39 kg/Rm	1.00	135.37	0.39	kg	52.79			
			s		MT	0.05	83314.02	4398.00	
10/ DSR 19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8mm long complete as per standard design.								
		1.00			Each	1.00	24347.76	24348.00	
11/ 3.3.8	Supplying materials and labours for construction of I.C. of size 750mm deep, 600 x 450 internal dimension do... all complete as per specification and direction of E/I.								
		2				2.00	8636.35	17273.00	
12/	Carriage cost of materials -								
(i)	Sand av. Lead 8km				Cum	4.35	227.64	990.00	
(ii)	Stone chips lead 22 km				Cum	1.83	424.76	777.00	
(iii)	Bricks Lead 8 km (1k+7P)				%	2337	755.20	1765.00	
							Total Rs.	101287.00	