

GENERAL ABSTRACT

Name of the Works :	Detail Estimate for the Renovation of B Type Quarter - one 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 1 units B Type Quarter	227100.93
2	Internal Electrification	22471.10
3	Septic Tank	101287.00
	Sub-total (A)	350859.03
	Add GST @ 18% of Sub-total (B)	63154.63
	Sub-total (B)	414013.66
	Add Labour cess @ 1% of Sub-total (A)	4140.14
	Grand Total	418153.79
	Say Rs.	418154.00

Annexure – I

Renovation of Staff Quarter Slope Roof (Nariya tiles & G.C.I Sheet) Buildings of 1 Block-b(1 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								
		Slope length	1	27.33	14.25		389.45	sft		
		Kitchen/Bath/store	1	23.33	11.33		264.33	sft		
		Toilet	1	11.00	7.25		79.75	sft		
							733.53	sft		
							68.17	M2	.	826.93
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					68.17	M2		
		Taken 5%					3.41	M2	24.26	82.69
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					68.17	M2	24.26	1653.80
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	2	17.58	10.75		377.97	sft		
		side	1	5.58	1.63		9.07	sft		
			1	12.00	3.25		39.00	sft		
		RM	2	23.00	10.00		460.00	sft		
			1	12.00	3.25		39.00	sft		
		Side trangle	1	11.00	4.58		50.42	sft		
		Inner ver	1	27.50	10.00		275.00	sft		
		Side trangle	1	6.58	7.50		49.35	sft		
		Wall	1	12.00	3.50		42.00	sft		
		Room	2	22.00	10.00		440.00	sft		
			1	12.00	3.50		42.00	sft		
		Side trangle	1	10.00	7.50		75.00	sft		
		store	1	18.00	11.75		211.50	sft		
		Kichen	1	18.00	8.50		153.00	sft		
		Bath	6	6.00	8.00		288.00	sft		
		Trangle	3	6.00	3.25		58.50	sft		

		Toilet	2	3.50	11.00		77.00	sft		
			2	3.50	8.00		56.00	sft		
		Trangle	2	1.63	3.00		9.75	sft		
			2	3.25	8.00		52.00	sft		
		courtyard	1	25.33	10.50		265.97	sft		
			1	59.65	8.00		477.20	sft		
			1	14.16	3.75		53.10	sft		
							3600.82	A		
		Deduction for opening								
		opening	2	9.25	10.00		185.00	sft		
		D2	2	2.75	6.25		34.38	sft		
		D3	2	2.50	6.25		31.25	sft		
		D4	1	4.00	6.25		25.00	sft		
		W1	1	4.75	4.00		19.00	sft		
		W2	6	3.00	4.00		72.00	sft		
		W3	1	2.50	3.50		8.75	sft		
		V1	1	2.00	2.00		4.00	sft		
							379.38	B		
		Outer side								
		Front	1	27.33	12.00		327.96	sft		
		Kichen	1	23.33	10.00		233.30	sft		
		side room	1	11.33	33.50		379.56	sft		
		Side Store	2	7.33	17.50		256.55	sft		
		TOILET	1	7.33	16.50		120.95	sft		
							1318.31	C		
		TOTAL (A-B+C)					4539.75	sft		
		Taken 10%					453.98	sft		
							42.19	M2	20.86	880.10
5	5.10.4	Dismantling patent stone floor including stacking serviceable materials in countable stacks within 15M. Lead and disposal of								
		Floor Area Rm	1	12.00	10.00		120.00	sft		
		RM	1	12.00	11.00		132.00	sft		
		RM	1	12.00	5.58		66.96	sft		
		Inner ver	1	12.00	6.58		78.96	sft		
		Store Kitchen	1	6.00	6.50		39.00	sft		
		Kitchen	1	6.00	7.50		45.00	sft		
		Bath	1	6.00	4.00		24.00	sft		
		Toilet	1	3.25	3.50		11.38	sft		
		Courtyard	1	25.33	17.16		434.66	sft		

		Outer door	1	3.50	7.50		26.25	sft		
							978.21	sft		
		Taken 15%					146.73	sft		
							13.64	M2	40.72	555.29
6	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. Sheets and galyanized with zinc coating								
	12.45.1	12.5mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)								
		RM	1	12.00	10.00		120.00	sft		
		RM	1	12.00	11.00		132.00	sft		
		RM	1	12.00	5.58		66.96	sft		
							252.00	sft		
							23.42	M2	995.44	23313.28
7	5.9.6	Providing single layer Naria-tiles in roof including cost of all labour and materials, taxes, all complete as per buildings specification an direction of E/L								
		Area v item no 1					68.17	M2		
		Taken 30%					20.45	M2	207.24	4238.27
8	5.10.29	Labour for relaying double layer naria tiles roof with old and new departmental tiles at all places including disposal of derbis with all leade as per direaction of E/L								
		QTY v item no 1- item no 7					47.72	M2	48.51	2314.85
9	Supply 179 M1671 F 45	Supplying GCI sheet roofing with old & new sheet 0.8 mm thick								
		Taken 15% of item no 1					10.23	M2		
		7.03					71.89	KG	50.22	3610.08
10	5.9.10	Labour for fitting and fixing G.C.I. or C.A. Sheet roofing in proper slope including the cost of "J" or "L" hooks, limpet and bitumen washers, carriage of sheet to work site, and								
		As per item no 1					68.17	M2	166.51	11350.99
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 site, and taxes all complete as								
			1	1.00	27.33		27.33	sft		
							2.54	M2	61.99	157.45
12	5.4.57	Supplying fitting and fixing glass panes including supplying putty. Beads and nails after taking out old and broken glass panes and disposal of debris all complete as per building								
	5.4.57.1	3mm plain	12	1.00			9.00	sft		
							0.84	M2	488.53	408.62
13	5.6.9	Providing 50mm thick 2 nd class patent stone flooring (1:2:4) with 20mm, to 6mm size graded stone chips finished with flooring coat courtyard								
			1	25.33	17.16		434.66	sft		

		Outer Door	1	3.50	7.50		26.25	sft		
							2.44	M2	505.28	1232.68
14	5.6.7	Providing 25mm thick first class patent stone flooring (1:2:4) with stone chips in two layers, bottom layers 19mm. Thick (1:2:4) with 12mm								
		Qty v item no 13					2.44	M2	326.60	796.90
15	5.7.3	Providing 12mm cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of								
		QTY v item no 4					114.92	M2	165.80	19053.74
16	13.80 DSR	Providing and applying plaster of paris (POP) putty of 2 mm thickness over plastered surface to prepare the surface even and smooth								
							QTY v item no 4 D	4539.75	sft	
							or	421.91	M2	107.58 45389.06
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 no 4(A-B)						3221.44	sft	
		or						299.28	M ²	74.27 22227.53
18	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with								
		New work (Two or more coats applied @ 1.43 ltr/10sqm over and including priming coat of								
		Qty v item no 4 C						3520.72	sft	
								327.20	M2	141.02 46142.37
19	5.8.31	Providing two coats of synthetic enamel paint of approved shade and make over old wooden surface including cleaning the								
		Qty v item no 4 B						379.38	sft	
							Total	379.38	sft	
							Or	35.25	M ²	120.82 4258.91
20	3.2.1	Supplying fitting and fixing vitreous white glazed earthen ware I.W.C. of parry Hindustan or any other I.S.S								
		(A) 580 mm. long								
		(B) With 12.5 lit. low level C.I. cistern						1.00	Each	4487.90 4487.90
21	3.2.5	Supplying fitting and fixing vitreous white glazed earthen ware wash hand basin of Parry						1.00	Each	2084.36 2084.36
22	18.8 DSR	18.8 Providing and fixing Chlorinated Polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply,								
	18.8.1	15 mm nominal outer dia pipes						10.00	M	383.51 3835.1
	18.8.3	25 mm nominal outer dia Pipes						8.00	M	543.82 4350.56
23	3.1.4.1	Supplying and fixing G.M. ferrule of approved						2.00	M	766.00 1532.00

		make in existing C.I main including drilling and taning C.I main all complete as								
24	3.1.5.2	Providing and fixing 15mm dia male ended C.I. body brass spindle valve and seat bib cock of approved quality (wt Not less then 400gms)								
						4.00	Each	199.58	798.32	
25	DWSD M079	Supplying Polythene water storage tand of ISI mark (e.g. sintex/Sinter/Himgiri/Gangotri etc.) with cover and locking system.								
			1			1000	1000.00	ltr.	7.43	7430.00
26	5.3.8	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm								
			1	40.00	2.50		100.00	sft		
							or 9.29	M ²	351.75	3267.76
30	5.10.34	Providing 150mm. wide brick drain in cement mortar (1:6) with av. 125 mm. clear depth and 250mm. apron including cost of earthwork								
			1	40.00			40.00			
							Total 40.00	Ft.		
							or 12.20	M	718.17	8761.67
		(a) Sand lead 10 km					2.42	m ³	255.80	618.78
		(b) Brick Lead-8km(1k+7p)					345.000	%0 Nos.	755.20	260.54
		(c) Stone chips Lead-22km					2.419	m ³	424.76	1027.49
		(d) Stone metals Lead-20km					0.360	m ³	424.76	152.91
									Sub-Total Rs.	227100.93

Annexure – II

Estimate For Internal Electrification (B TYPE)

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

1	1.3	Wiring for light/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	4.00				20	Point	80.00	1600.00
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	258.00
	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		147.00	2940.00
B	1.7.2	2 x 2.5 sq mm + 1x 2.5 sq mm earth wire					10.00		196.00	1960.00
C	1.7.4	2 x 6 sq mm + 1x 6 sq mm earth wire					8.00		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 mm 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					12	Each	48.00	576.00
6	1.34	S/F brass button/Angle holder including connection etc. as reqd.					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.					6	Each	24.00	144.00
8	9.5.2	20/22 watt LED Tube Light					4	Each	16.00	64.00
9	2.8	S/F the following way single pole and neutral 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 breaker 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 following, 240 volts, 'C' series, miniature circuit breaker 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					2	Each	1748.00	3496.00
13	M846	LED flood Light 50/60 W					1.00	Each	2553.10	2553.00
Sub-Total Rs.									22471.00	22471.00

Annexure – III

Detailed Estimate for Construction of Septic Tank (B 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	7777.00
(iii)	Bricks Lead 8 km (1k+7P)				%	2337	755.20	1765.00
							Total Rs.	101287.00