

**Estimate for repair & maintenance of RCMU union office at hospital colony under
Bhurkunda Project Barka-sayal Area.**

S.N	Description of work	Qty.	Unit	Rate	Amount	Remarks
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8.1 All kinds of soil.	5.344	cum	₹ 188.45	₹ 1,007.03	2.8.1
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	0.178	cum	₹ 1,844.00	₹ 328.46	2.27
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	0.542	cum	₹ 5,167.75	₹ 2,798.34	4.1.8
4	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	20.250	sqm	₹ 159.55	₹ 3,230.89	16.64
5	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.00 in foundation and plinth in: 6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand).	4.275	cum	₹ 5,322.15	₹ 22,752.19	6.1.2
6	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	2.185	sqm	₹ 318.65	₹ 696.25	4.10
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.00 in superstructure above plinth level up	22.557	cum	₹ 6,494.75	₹ 146,503.70	6.4.2
8	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to four five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size	1.026	cum	₹ 8,797.65	₹ 9,026.39	5.3
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bars.	82.080	Kg	₹ 75.20	₹ 6,172.42	5.22.1
10	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	170	kg	₹ 77.95	₹ 13,251.50	10.1
11	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	174.000	sqm	₹ 571.00	₹ 99,354.00	12.50
12	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	88.900	kg.	₹ 96.45	₹ 8,574.41	10.13.1

13	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using flats 30x6mm for diagonal braces and central cross piece.	9.360	sqm.	₹ 3,730.40	₹ 34,916.54	10.5.2
14	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In	26.88	kg	₹ 116.80	₹ 3,139.58	10.25.2
15	12 mm cement plaster of mix :: 1:6 (1 cement: 6 fine sand).	120.615	sqm	₹ 217.70	₹ 26,257.89	13.1.2
16	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate.	20.25	sqm	₹ 452.50	₹ 9,163.13	11.3.1
17	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	29.00	m	₹ 138.75	₹ 4,023.75	12.11
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	28.90	sqm	₹ 99.90	₹ 2,887.11	13.61.1
19	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water tinna ble priming coat with cement primer.	47.34	sqm	₹ 115.00	₹ 5,444.10	13.41.1
20	Colour washing such as green, blue or buff to give an even shade New work (two or more coats) with a base coat of whitening .	73.28	sqm	₹ 32.95	₹ 2,414.41	13.39.2

TOTAL= ₹ 401,942.08
Add Gst 18%= ₹ 72,349.57
TOTAL= ₹ 474,291.65