

Bill of quantity for the work Provision of Check-post in view of up-coming Lok-Sabha election at River side under Bhurkunda Project, Barka-Sayal Area.

S. N.	Description	Qty	Unit	Justified Rate	Justified Amount
1	<b>Part A ( Room )</b> 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. All kinds of soil.	9.00	cum	215.88	<b>1942.92</b>
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	7.05	cum	179.92	<b>1268.44</b>
3	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	1.28	cum	1247.06	<b>1596.24</b>
4	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:4:8 (1cement : 4 fine sand : 8graded stone aggregates 40 mm nominal size).	2.55	cum	5613.67	<b>14314.86</b>
5	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	5.10	cum	6101.36	<b>31116.94</b>
6	Providing and laying damp proof course, 40 mm thick with cement concrete 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates 12.5 mm nominal size).	4.00	sqm	296.76	<b>1187.04</b>
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	14.67	cum	6436.24	<b>94419.64</b>
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	0.77	cum	9150.89	<b>7046.19</b>
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	61.60	Kg	90.29	<b>5561.86</b>

10	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	4.80	sqm	481.12	<b>2309.38</b>
11	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	2.68	sqm	595.73	<b>1596.56</b>
12	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	46.97	sqm	212.12	<b>9963.28</b>
13	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	59.04	sqm	327	<b>19306.08</b>
14	12mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1cement : 4fine sand).	7.88	sqm	278.26	<b>2192.69</b>
15	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 thinnable priming coat with cement primer	46.97	sqm	123.64	<b>5807.37</b>
16	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	59.04	sqm	74.7	<b>4410.29</b>
17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	8.50	sqm	548.14	<b>4659.19</b>
18	Steel work in riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	225.00	kg	106.07	<b>23865.75</b>
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	14.78	sqm	106.63	<b>1575.99</b>
20	Providing and fixing circular / hexagonal M.S. sheet box for ceiling fan clamp of internal dia 140mm, 73 mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron / MS sheet box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia. M.S. bar bent to shape as per standard drawing.	2.00	each	168.21	<b>336.42</b>
21	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.	98.60	kg	90.58	<b>8931.19</b>

22	<p>12.50 Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as 5% total coated thickness (TC T), Zinc coating 120gsm as per IS:277 in approved by Engineer-in-charge) 0.05 mm. 240 mpa mm 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 while 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 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead 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.</p>	21.00	sqm	765.6	<b>16077.60</b>
23	<p>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 galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings,</p>	13.50	sqm	1038.64	<b>14021.64</b>

	grills, diffusers, cutouts made with frame of perimeterchannels suitably fixed, all complete as per drawings, specification anddirection of the Engineer in Charge but excluding the cost of painting with 12.5 mm thick tapered edge gypsum moisture resistant board				
24	Cement concrete flooring 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates) 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 aggregates.	9.28	sqm	457.75	<b>4247.92</b>
25	<b>PART B (Barrier)</b> 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. All kinds of soil.	1.73	cum	215.88	<b>373.47</b>
26	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates 20 mm nominal size).	1.73	cum	6653.34	<b>11510.28</b>
27	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.	252.20	kg	90.58	<b>22844.28</b>
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	5.84	sqm	106.63	<b>622.75</b>
		Total=			313106.23
		Add GST @18%=			56359.12
		Total Amount=			369465.35