

<b>H.S.R. Items</b>					
<b>Name of Work:-</b>		<b>Estimate for Construction of wall and repairing work in Boosting Station and all other work in Sector 56 ward No 30</b>			
<b>Sr. No.</b>	<b>HSR Items</b>	<b>Description of items</b>	<b>Qty</b>	<b>Unit</b>	<b>Total Rate</b>
1	6.60	Earth work in excavation in foundations, trenches, etc. in all kinds of soils, not exceeding 2 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil, clear from the edge of excavation and subsequent filling around masonry, in 15 cm layers with compaction, including disposal of all surplus soil, as directed within a lead of 30 metres.	54.39	Cum	58.17
2	11.23	First class brick work laid in cement, stone dust (from crusher) mortar 1:5 in foundation and plinth.	25.98	Cum	3207.75
3	11.28	First class brick work laid in cement, stone dust (from crusher) mortar 1:5 in first storey upto 4 metres above plinth level.	49.68	Cum	3365.25
4	14.13	Conglomerate floor 45 mm thick cement concrete 1:2:4 on 100 mm cement concrete 1:8:16 and 100 mm sand or stone filling	32.29	Sqm	372.50
5	10.11	Damp proof course 40 mm thick of cement concrete 1:2:4 using stone aggregate 20 mm nominal size with 2 coats of bitumen 20/30 penetration, at 1.65 kg per sqm laid hot and sanded.	10.92	Sqm	192.77
6	14.45	Precast chequered tiles of 20 mm thickness In ordinary grey cement without chips laid on 20 mm thick bed of cement coarse sand mortar 1:3 with neat cement slurry between joints and over the base in floors, treads of steps and landings.	10.98	Sqm	506.75
7	14.92 (a)	Providing and Fixing 1st quality ceramic glazed wall tiles confirming to I.S. 15622 (thickness to be specified by the manu-facture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12mm thick bed of cement mortar 1:3 coarse and jointed with grey cement slurry including pointing in white cement mixed with pigment of matching shades complete :- size of ceramic glazed tiles 200x300mm	31.11	Sqm	501.75
8	10.86 + 10.95 (a)	Cement concrete 1:2:4 with stone aggregate 20mm nominal size for reinforced concrete works for walls exceeding 20mm thickness. (1187.90)	5.42	Cum	6533.45
9	29.84 (a)	(a) CONSTRUCTING BRICK MASONRY INSPECTION CHAMBER SIZES AS GIVEN BELOW UPTO 0.60 METRE AVERAGE DEPTH in cement Mortar 1:5 LIME CONCRETE with 40 percent lime mortar 2:3 in foundation Cement mortar 1:2:4 BENCHING 12 mm THICK CEMENT PLASTER 1:2 with a floating coat of 1 mm thick of neat cement R.C.C 1:2:4 SLAB 100 mm THICK/CC/ TOPPING 50 mm THICK WITH 455 MM x 455 MM X 610MM INSIDE LIGHT DUTY C.I. INSPECTION CHAMBER COVER AND FRAME Weight as per I.SI. specification painted WITH 3 COATS OF black bitumastic superior paint complete as per standard design.(a) Size 450 mm x 450 mm inside (with 455 mm x 455 mm cover and frame light duty single seal weighing 40 kg with C.C. topping )	10.00	Number	2277.00
10	30.40	(b) (I) (I) 25 mm thick marble backs 680mm x 330 mm (200+340%=880)	2.00	Each	880.00
11	9.13	-9.13 Shuttering for faces of concrete foundations and foundations beams (vertical or battering) 153.25	52.28	Sqm	153.25
12	31.36 (ii)	-HSR. 31.36 (ii) Light Point (c) (639+10%=702.9)SDS.	15.00	Each	702.90

13	30.50	-HSR. 30.5 Providing and Fixing in position best Indian Make(as approved by the Engineer-in-charge) European type water closet suite, syphonic type consisting of (i) Vitreous chinaware syphonic suite with 15 litres capacity matching chinaware cistern and all internal brass fittings complete with 'p' os 's' strap with or without vent (as approved by the Engineer-in-charge) (ii) One piece seat and lid in hollow black or white plastic fitted with chromium plated hinges and rubber buffers, (to the approval in Engineer-in-charge) complete in all respects including cutting and making good the walls and floors (a) single trap syphonic W.C. Suite (i) White (1542.00+340% = 6784.80) SDS.	4.00	Number	6784.80
14	10.28	Cement concrete 1 : 8 : 16 with stone aggregate 40 mm Nominal sie in foundation and plinth.	6.34	Cum	1752.57
15	14.96	Laying and Fixing Granite stone in all shades 15mm to 18mm thick in flooring laid in any pattern as specified over base of 20mm thick cement coarse sand mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade of granite stone. (Excluding the cost of granite stone).	11.42	Sqm	370.00
16	15.90	15 mm thick cement plaster 1:3 on the rough side of single or half brick wall	64.43	Sqm	111.00
17	10.38	Cement concrete 1 : 4 : 8 with stone aggregate 20 mm Nominal size in foundation and plinth.	12.00	Cum	2310.00
18	16.10	Preparation of ply wood surface for painting including sand papering the surface and applying filling with approved quality filler consisting of white lead, linseed oil, varnish and chalk mitti including finishing the surface to required finish complete. 2nd quality paint	5.73	Sqm	15.18
19	17.93 (a) (iii)	(a) (iii)-commercial veneering with vertical grains or corss bands and face veneer on both sides commercial facing with laminated core and lipped edges:- 35 mm thick	7.53	Sqm	1344.00
20	24.10	Preparation of sub grade, including trenching, rough dressing of spoil final dressing of earth,to given levels and camber, watering, rolling with road roller, and compacting the bed (Labour Rate A)	120.00	Sqm	3.90
21	18.22	Cold twisted deformed (:ribbed/tor steel) bars for R.C.C. works, where not included in the complete rate of R.C.C including bending, binding and placing in positon complete.	14.58	Qtl	5502.30
22	30.77	Providing and fixing C.P brass liquid soap container of best quality (as required by the Engineer-in-charge)	4.00	Each	231.00
23	31.17 (a)(i)	Supply and erection of miniature circuit breaker/isolator 240/415V in the existing distribution board including making necessary connections :- Miniature Circuit Breakers of 9 K.A. breaking capacity - 0.5 amp to 4 amp. Single Pole	4.00	Each	156.80
24	30.41	Indian make lavatory suites (WHITE) (iv) 550x400mm	2.00	Nos	1790.80
25	13.13	Terracing consisting of tiles 22.86 cm X 11.43 cm X 3.81 cm, laid over 87.50 mm mud filling, on a layer of 25 mm mud plaster and an other layer of mud mortar for laying the tiles over a polythene film of 100 micron (0.1 mm) thickness with 25 mm thick layer of of fine sand, above and below the polythene film, laid on top of R.C.C., slab, including grouting with cement sand mortar 1:3 and top surface to be left clean.	46.84	Sqm	370.65
26	30.26	Providing and fixing in position best Indian make a range of two urinals flat back or angular lipped front 610 high in vitreous china-ware with 5 litres capacity best Indian make C.I automatic flushing cistern with fittings and flush pipe etc., complete as fully described in item no. 30.25 above (i) White. M. Toilet = 6 No.	2.00	Each	8038.80

27	30.84	Providing and fixing in position H.C.I soil waste vent or antisiphonage pipes to ISI specification of E.L.C Mannufacture or of any other reputed firm including cutting and wastage etc and cutting holes in walls,roofs or floor etc and macking good to its original condition but excluding cost of lead jointing soil waste pipe-100mm Dia.	20.00	Meter	438.75
28	14.89	Providing and fixing vitrified tiles of size 600 x 600mm of approved make in flooring laid in any pattern as specified over base of 20mm thick cement coarse sand mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade to tiles. Note:-Tile shall be of premium quality (first quality) of reputed manufacturer like NITCO, KAJARIA, SOMANI, ORIENT & JOHNSONS	32.29	Sqm	785.66
29	30.71	Providing and fixing in position best Indian make bevelled edge 5.5mm thick mirron mounted on asbestos sheet ground fixed in position by means of 4 nos. chromium plated brass screws and washers over rubber washers and rawl plug embedded in the wall or chromium plated brass clamps with C.P brass screws (as required by the Engineer-in-charge) Complete including and making good the walls etc.(a) Indian make (i)White 600mmx450mm	4.00	Number	470.80
30	4.1(a)+5.2(b)+6.13(b)	Loading, unloading and carriage of malba 10km lead as per HSR+ earth work (exclusive of compensation for earth) in excavation, in ordinary soil, and filling, in 15 cm layers, in foundation and plinth including ramming, watering and consolidation under floor with earth brought from a distance not exceeding 30 metres	42.40	Cum	182.88
31	15.30	12 mm thick cement plaster 1:2	119.33	Sqm	33.00
32	16.30	Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work or metallic or plastered or concrete surfaces to give an even shade.Ist quality paint	5.73	Sqm	31.02
33	17.71	Cost of iron fittings, complete for doors and windows, such as tower bolts, handles, etc and screws for these fitting (excluding sliding bolt)	10.04	Sqm	6.40
34	17.13	Teak wood chowkats of doors and windows including hold fasts, cornerstraps, screws, bolts for hold fasts, etc., complete fixed in position.	0.17	Sqm	94748.00
35	10.159	Providing & laying 80 mm thick ISI marked interlocking paver Blocks (conforming to IS 1568 2006) IRC SP 63-2004 of all shapes & colours in design mix cement M- 40 over a bed of 30mm thick fine sand complete in all respect	120.00	Sqm	567.00
36	ADD ITEM	Providing and fixing G.I pipes complete with G.I fitting and clamps including cutting and good the walls etc. (Internal work) concealed pipes including painting with anot corrosino bitumastic paint, cutting chases and making good the wall (15MM)	30.00	Meter	180.00
37	ADD ITEM	Providing and fixing G.I pipes complete with G.I fitting and clamps including cutting and good the walls etc. (Internal work) concealed pipes including painting with anot corrosino bitumastic paint, cutting chases and making good the wall (20MM)	30.00	Meter	250.00
38	29.95	Providing salt glazed stone ware pipes grade A in standered length of 600 mm each pipe marked with IS 651 and their lowering cutting jointing and testing as described in HSR item materials as well as carriage loading unloading stacking handling rehandeling etc. complete in all respects to the satisfaction of engineer in Charge 100mm pipe line	33.00	Meter	134.40
39	30.75 (a)	Providing and fixing in position 15 mm i/d C.P brass bib Cocks of best quality (as required by Engineer-in-charge) (a) Bib cock long body	15.00	Number	510.40

40	10.82+10.95(a)	Providing RCC slab in Cement concrete 1:1 1/2: 3 with stone aggregate 20 mm nominal size for rainforced concrete work in slab with inclination not exceeding 25 degree with horizontal excluding steel reinforcement but including centring and shuttering	8.66	Cum	5966.40
41	30.68	Providing AND FIXING in POSITION BEST INDIAN MAKE TOWEL RAILS FIXED in with rawslugs embedded in walls with C.P brass screws. Complete in all respect INCLUDING CUTTING AND MAKING GOOD THE walls ETC	4.00	Nos	67.00
42	31.36 (vii)	(vii) 3-pin 5 amp. Plug point including earthing the 3rd. pin etc. (b) Medium Point	4.00	Each	512.60
43	16.24 + 16.26	Preparation of plastered or concrete surfaces for painting, including sand papering the surface, applying one coat of linseed oil and filling with approved quality filler, consisting of white lead, linseed oil, varnish and chalk mitti including finishing surface to the required finish, complete.	84.00	Sqm	81.18
44	30.119	HDPE Water Storage Tank (1000ltr Capacity)	2.00	Nos	5263.00
45	30.76	(Providing and fixing in position CP brass stop cocks)as approved by Er (a)15mm stop cock (ii)Concealed stop cock with flange	10.00	Nos	572.00
46	30.89	PROVIDING AND FIXING H.C.I FLOOR TRAPS I.S.I MARKED OF THE SELF CLEANING DESIGN WITH C.P BRASSHINGED GRATING WITH FRAME WITH OR WITHOUT VENT ARM AND INCLUDING CEMENT CONCRETE 1:2:4 under the around the floor trap where required upto floor level COMPLETE IN ALL RESPECTS INCLUDING CUTTING AND MAKING GOOD THE WALLS AND FLOORS, ETC, minimum depth of water should be 150 mm with a minimum seal of 50 mm	10.00	Nos	130.00
47	31.36 (viii)	(viii) 3-pin 15 amp. Plug point including earthing the 3rd. Pin etc. with 4 sqmm PVC insulated copper conductor cable (b) Medium Point	6.00	Each	733.70
48	31.36	(1) Fan point (b)	6.00	Each	576.40
49	9.9	Centering and shuttering for columns (square or rectangular or polygon in plan)	11.00	Sqm	247.25
50	30.67	Providing and fixing in position best Indian make paper holders fixed into wall with C.P. brass screws complete in all respects including cutting and making good the walls etc. ( c ) recessed vitroues chinaware (i) White	4.00	Nos	220.00
51	13.90	Providing and fixing P.V.C Bend ISI mark 100 mm dia. (a) 100 mm dia	15.00	Each	116.88