



## Schedule 'B' – Bill of Quantity (BOQ)

Name of Work: **Construction of Office Buildings for Project Management Unit at Shisham**  
**Bagh, Sector-19, Indira Nagar, Lucknow.**

S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
<b>(A)</b>	<b>CLEARING OF SITE</b>				
1	Clearing jungle including uprooting of trunk vegetations grass, bush, wood trees an saplings of girth upto 30cm. Measured at a height of 1metre above ground level and removal of rubbish upto a distance of 50 metres out side the periphery of area cleared. Analysis of rates on the basis of item 41 of CPWD analysis of IS-55 schedule. <b>(SOR-LKO-2010-11, 259/13)</b>	3316.28	Sq.Mt.	2.75	9119.77
<b>(B)</b>	<b>CIVIL WORK</b>				
2	Layout of building and making reference pillars etc. complete with all respect as per instruction of engineer-in-charge. <b>(CMR)</b>	2255.52	Sq.Mt.	8.00	18044.17
3	Excavation in foundations in ordinary soil (Loam clay or sand) including lift upto 1.5m. (5fts) and lead upto 30m. (100fts.) & including filling, watering and ramming of excavated earth into the trenches or into the space between the building and the sides of foundation trenches or into the plinth and removal and disposal of surplus earth as directed by the Engineer-incharges upto a distance of 30m. (100fts.) from the foundation trenches. <b>(SOR-LKO-2010-11, 251/chapter-4)</b>	6972.21	Cu.Mt.	70.00	488054.60
4	Add extra to items 251 and 252 for every additional lift or 1.5m or 50m or part there of. <b>(SOR-LKO-2010-11, 254/12)</b>	457.83	Cu.Mt.	10.00	4578.25
5	Supply & filling of good earth in plinth under floors including watering, ramming, consolidating and dressing complete including supply of all material, labour ,T&P, royalties and duties etc required for proper completion of work. <b>(CMR)</b>	568.03	Cu.Mt.	175.00	99405.85
6	Sand filling in plinth including supply of necessary quantity of sand from a distance not exceeding 8km. (5 miles) from the site of work and including watering, ramming, dressing etc. rate to include cost of all materials, labour and T & P etc. required for proper completion of the work. <b>(SOR-LKO-2010-11, 255/Chapter-4)</b>	238.31	Cu.Mt.	40.00	9532.54



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
7	Providing and laying cement concrete 1:3:6 (1cement : 3 coarse sand : 6 graded stone ballast 20mm nominal size) including supply of all materials, labour and T & P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation and floor. <b>(SOR-LKO-2010-11, 280/14)</b>	91.57	Cu.Mt.	4000.00	366260.00
8	Providing and laying cement concrete 1:4:8 (1cement : 4 coarse sand : 8 graded stone ballast 20mm nominal size) including supply of all materials, labour and T & P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation and floor. <b>(SOR-LKO-2010-11, 281/14)</b>	144.27	Cu.Mt.	3700.00	533801.20
9	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete , improve workability without impairing strength and durability as per direction of Engineer - in - charge. M-25 grade reinforced cement concrete by using 410kg. of cement per cum of concrete. All work up to floor V level. <b>(DSR-2007, 5.33/93)</b>				
(a)	<b>Column Footing</b>	344.27	Cu.Mt.	3983.75	1371502.74
(b)	<b>Grade Beam</b>	124.56	Cu.Mt.	3983.75	496197.73
(c)	<b>Column</b>	44.65	Cu.Mt.	3983.75	177884.26
(d)	<b>Projection</b>	10.28	Cu.Mt.	3983.75	40935.48
(e)	<b>Slab level beam</b>	170.99	Cu.Mt.	3983.75	681182.47
(f)	<b>Lintel over door window</b>	15.26	Cu.Mt.	3983.75	60788.06
(g)	<b>RCC slab</b>	228.40	Cu.Mt.	3983.75	909869.19
(h)	<b>Stair</b>	7.36	Cu.Mt.	3983.75	29335.85



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
9	Mild steel or iron in plan work such as reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage bend hooks and authorized overlapping shall be measured up to floor two level. <b>(SOR-LKO-2010-11,504/20)</b>	939.98	Quintal	4700.00	4417926.64
10	First class brick work 1:6 in cement and fine sand of 1.25 FM mortar in foundation and plinth including supply of all materials, labour and T&P etc. required for proper completion of the work. <b>(SOR-LKO-2010-11,303/Chapter-6)</b>	50.00	Cu.Mt.	2975.00	148748.81
11	Centering and shuttering including strutting, propping etc. and removal of form for:				
(a)	Foundations, footings, bases of columns, etc. for mass concrete. <b>(DSR-2007, 5.9.1./89)</b>	387.72	Sq.Mt.	119.25	46235.61
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers. <b>(DSR-2007, 5.9.5./89)</b>	2772.06	Sq.Mt.	162.65	450876.34
(c)	Columns, pillars, piers, abutments, posts and struts. <b>(DSR-2007, 5.9.6./89)</b>	725.76	Sq.Mt.	238.40	173021.90
(d)	Suspended floors, roofs, landings, balconies and access platform. <b>(DSR-2007, 5.9.3./89)</b>	1918.83	Sq.Mt.	187.35	359492.75
(e)	<b>Stair, (excluding landings) except spiral-staircases (DSR-2007, 5.9.7/89)</b>	274.11	Sq.Mt.	204.00	55918.51
12	First class brick work 1:6 in superstructure including necessary cutting and moulding of bricks as required and also including honey comb brick, work thickness of wall of one brick thick add for extra labour. <b>(SOR-LKO-2010-11,303+310/16)</b>	459.73	Cu.Mt.	3115.00	1432064.01
13	First class brick work 1:4 cement and coarse sand mortar in superstructure including supply of all materials, labour and T & P etc. required for proper completion of work but for wall of half brick (4½") thick add for extra labour. <b>(SOR-LKO-2010-11,305(b)+310(a)/chapter-6)</b>	55.46	Cu.Mt.	3330.00	184672.07
14	12mm thick plaster with cement mortar in proportion of 1:4 with cement and fine sand of 1.25FM mortar. Add for extra labour to all item of plaster if done in ceiling. <b>(SOR-LKO-2010-11,584+587/Chapter-13)</b>	2091.13	Sq.Mt.	94.50	197611.95



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
15	12mm thick plaster with cement mortar in proportion of 1:6 cement and fine sand of 1.25F.M.(SOR-LKO-2010-11,586/Chapter-13)	4071.04	Sq.Mt.	75.00	305328.09
16	15mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1cement : 6 fine sand) (DSR-2007, 13.2.2/201)	1099.88	Sq.Mt.	78.55	86395.61
17	Providing and laying polishd vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 60x60cm. (DSR-2007, 11.41.2/178)	1238.15	Sq.Mt.	1448.55	1793517.72
18	Providing and laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of aproved make in colours such as white, Ivory, Grey, Fume, Red Brown, Laid on 20mm thick cement mortar 1:4 (1cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete. (DSR-2007, 11.37/177)	169.01	Sq.Mt.	598.65	101178.09
19	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edgte to give high gloss finish etc. complete at all levels. Granite of any colour and shade. (DSR-2007, 8.2.2.1/120)	583.45	Sq.Mt.	2480.20	1447069.31



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
20	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacture) 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 (1cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. <b>(DSR-2007, 11.36/177)</b>	456.57	Sq.Mt.	556.60	254128.87
21	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete. <b>(DSR-2007, 13.26/203)</b>	6162.17	Sq.Mt.	47.20	290854.56
22	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work. <b>(DSR-2007, 13.60.1/206)</b>	6162.17	Sq.Mt.	33.25	204892.25
23	Finishing wall with Premium Acrylic smooth exterior paint with Silicone additives "Snowcyl - XT" of M/s. Snowcem India Ltd., or equivalent of required shade. New work (Two or more coats applied @ 1.43 ltr/10 sqm. Over and including base coat of water proofing cement paint Snowcem plus or equivalent applied @ 2.20 kg/ 10 sqm). <b>(DSR-2007, 13.47.1/205)</b>	1099.88	Sq.Mt.	60.10	66102.82
24	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance $\pm$ 1mm) with wall thickness 2.0mm $\pm$ 0.2mm, corners of the door frame to be mitred and welded of plastic, galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized MS tube of size 19x19mm and 1mm $\pm$ 0.10mm wall thickness and 3nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge: Extruded section profile size 48x40mm. <b>(D.S.R. - 2007, 9.117.1/152)</b>	168.30	Rmt.	141.00	23730.30



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
25	Providing and fixing to existing door frames. 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm +0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised MS tube of size 20x20mm and 1mm +0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24mm and 2mm +0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanised MS 'U' cleats. the shutter frame filled with a UPVC multi-chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm +0.10mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For WC and bathroom door shutter). <b>(DSR-2007, 9.118.1/152-153)</b>	53.55	Sq.Mt.	2190.50	117301.28
26	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position: Sal wood <b>(DSR-2007,9.1.2/136)</b>	12.18	Cu.Mt.	30511.90	371663.55
27	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled MS butt hinges with necessary screws excluding, panelling which will be paid for separately. Second class teak wood. 35mm thick shutters. <b>(DSR-2007,9.5.1.1/136)</b>	124.74	Sq.Mt.	1373.65	171349.10
28	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled MS butt hinges with necessary screws excluding, panelling which will be paid for separately. Second class teak wood. 30mm thick shutters. <b>(DSR-2007,9.5.1.2/136)</b>	260.28	Sq.Mt.	1219.10	317307.35
29	Renewing panes of glass including supply of glass 4.3mm with putty and brads including supply of materials, labour, tools and plants etc. required for proper completion of the work. <b>(SOR-Varanasi-2009-10, 806/Chapter-21)</b>	260.28	Sq.Mt.	380.00	98906.40



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
30	Providing and fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63 mm for doors, windows and clerestory windows including ISI marked bright finished or /and black enamelled M.S. butt hinges with necessary screws :				
(a)	Second class teak wood <b>(DSR-2007, 9.30.1/141)</b>	245.70	Sq.Mt.	1365.70	335552.49
31	Mild steel or iron work in heavy sizes such as trusses; built up gates, door frames, record racks, roof work, gates etc., wrought to required form including drilling holes, rivetting or welding where necessary and also including suply of steel, bolts nuts etc. & their fixing required for proper completion of the work. <b>(SOR-LKO, 2010-11,503/Chapter-10)</b>	7808.40	Kg.	53.00	413845.20
32	Painting or varnishing on iron works in small areas or new wood work with one coat of ready mixed priming paint and one coat of aproved superior quality ready ixed paint of clear synthetic varnish including suply of all materials, labour and T & P etc. required for proper completion of work. Paint to be used should confirm to the ISI No. 103-1950. <b>(SOR-LKO, 2010-11, 641/Chapter-15)</b>	650.70	Sq.Mt.	46.00	29932.20
33	Wax polishing new wood work with approved ready made wax polish or approved French polish after rubbing down with sand paper includign supply of all materials, labour and T & P etc. required for proper completion of the work. <b>(SOR-LKO-2010-11,658/Chapter-15)</b>	962.55	Sq.Mt.	36.00	34651.80
34	Providing and fixing bright finished brass but hinges with necessary screws etc. complete.				
(a)	D 125x70x4mm (ordinary type) <b>(DSR-2007, 9.72.2/146))</b>	177.00	Nos.	69.15	12239.55
(b)	W 75x65x4mm (heavy type) <b>(DSR-2007, 9.72.5/146))</b>	678.00	Nos.	62.60	42442.80
35	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete.				
(a)	D 250 x 10mm <b>(DSR-2007, 9.74.1/147)</b>	184.00	Nos.	155.15	28547.60
(b)	W 150x10mm <b>(DSR-2007, 9.74.3/147)</b>	276.00	Nos.	97.20	26827.20
36	Providing and fixing bright finished brass door latch with necessary screws etc. complete. 300x16x5mm <b>(DSR-2007,9.75.1/147)</b>	86.00	Nos.	109.20	9391.20



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
37	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality) <b>(DSR-2007,9.76/147)</b>	58.00	Nos.	332.65	19293.70
38	Providing and fixing bright finished brass handles with screws etc. complete.				
(a)	125mm. <b>(DSR-2007,9.81.1/147)</b>	184.00	Nos.	103.65	19071.60
(b)	75mm. <b>(DSR-2007,9.81.3/147)</b>	332.00	Nos.	68.55	22758.60
39	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws etc. complete. <b>(DSR-2007, 9.82/148)</b>	58.00	Nos.	56.05	3250.90
40	Providing and fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete. <b>(DSR-2007, 9.83/148)</b>	58.00	Nos.	610.60	35414.80
41	Providing and injecting chemical emulsion for Preconstructional antitermite treatment and creating a chemical barrier under and around the column pits, wall trenches, basement excavation top surface of plinth, filling junction of walls and floors, along the external perimeter of building, expansion joints, surrounding of pipes and conduit etc. complete plinth area of the building at ground floor only shall be measured as per IS 6313 (part II 1981) Aldrine emulsifiable concrete or any other approved material such as chloropyriphos or Heptrachlor or chlordance will be used. The rate of application of chemical emulsion shall be as follows: <b>(SOR-VNS-2009, NS1/28)</b>				
	(1) Treatment for masonry and foundation 5 liters per Sq.M.	2255.52	Sq.Mt.	100.00	225552.10
	(2) Back fill in immediate contact with foundation 7.5 liters per Sq.Mt.				
	(3) Treatment of top surface of plinth filling 5 litres per Sq.Mt.				
	(4) Treatment of junctions of wall and the floors 7.5 litres per Sq.Mt.				
	(5) Treatment of soil along External perimeter of building 7.50 litres per Sq.Mt.				
	(6) Treatment of soil under apron along external perimeter 5 liters per Sq.Mt.				



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
42	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs .	1383.81	Sq.Mt.	541.05	748710.09
	c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-Charge d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS:2645 and approved by Engineer-in-Charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300 x300mm square 3m deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge: With average thickness of 120mm and minimum thickness at khurra as 65mm. (DSR-2007, 22.7.1/346-347)				



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
43	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400 micron, finished with 12mm cement plaster 1: 3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete. <b>(D.S.R. - 2007, 12.22/189)</b>	31.00	Nos.	108.00	3348.00
44	Supply and fixing of 10cm internal dia AC down pipes complete with rose heads bends, and gratings and including supply of necessary MS clamp 25cm x 3mm fixed to walls with and including supply of 15cm. Long 6mm dia. Nails all materials, labour and T & P etc. required for proper completion of the work and also including repair of plaster, pointing etc. if damaged during fixing of the pipes. <b>(SOR-VNS-2009,730/45)</b>	155.95	Rmt.	103.00	16062.85
45	Providing and fixing of box type fan hooks (minimum 10cm dia.) with and including fixing of 12mm dia. Plain bar in position. <b>(SOR-VNS-2009, NS4/33)</b>	48.00	Nos.	100.00	4800.00
46	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of WC, kitchen and the like consisting of: <b>(DSR-2007, 22.3/345)</b> <b>(i)</b> Ist course of applying cement slurry @4.4Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. <b>(ii)</b> IInd course of 20mm cement plaster 1:3 (1cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. <b>(iii)</b> IIIrd course of applying blown or residual bitumen applied hot at 1.7Kg. Per sqm of area. <b>(iv)</b> Ivth course of 400 micron thick PVC sheet . (Overlaps at joints of PVC sheet should be 100mm wide and pasted to each other with bitumen @1.7kg/sqm)	336.61	Sq.Mt.	272.50	91725.58
47	Supply and filling in sunken portion with cinder filling complete with all respect. <b>(CMR)</b>	76.05	Cu.Mt.	2650.00	201544.93



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
48	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-charge. <b>(DSR-2007, 13.76/208)</b>	708.40	Rmt.	13.30	9421.72
49	Making drip course in sun shade or facia as per direction of engineer-in-charge including supply of all materials labour etc. required for proper completion of the work. <b>(CMR)</b>	92.10	Rmt.	15.00	1381.50
50	Providing and making in ceiling cornice including mouldings with POP <b>(CMR)</b> .	190.00	Rmt.	115.00	21850.00
51	Providing & fixing Stainless Steel Railing manufactured from 50mm dia SS-304 tubular balustred (column) and Top rail of 50mm dia SS-304 tubular section, Intermediate members will be 3 rows of SS-304 tube of 19mm diameter. Grouting of Baulstred (Column) will be done by suitable fitting and Hardner's welding is to be done by Argon Arc Weld. Finish will be either Matt or Gloss. Measurement work will be done by measuring Top rail (50mm dia tube) length only. All the work to be completed as per the direction of Engineer-in-Charge. <b>(CMR)</b>	17.00	Rmt.	5000.00	85000.00
52	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality.L D- 2.5. Rectangular shape 600x450mm internal dimensions.	4.00	Nos.	883.25	3533.00
53	Supply and fixing of PVC pipe 225mm dia. for inlet, outlet and over flow complete with all respects.	18.00	Mt.	455.92	8206.56
54	Bore hole 400 mm dia. 50m depth complete with all respects.	100.00	Rmt.	295.00	29500.00
55	Supply and installation of 200 mm dia. Perphorated PVC pipe complete with all respects.	100.00	Rmt.	469.04	46904.00
56	2.00 to 4.75mm size pea Gravel supply and filling in between bore hole and perphorated PVC pipe.	9.42	Cu.Mt.	1500.00	14130.00
57	2.00 to 4.75mm size Gravel, supply duly screened and washed.	10.80	Cu.Mt.	1500.00	16200.00
<b>(C)</b>	<b>SANITARY</b>				



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
	<b>Supply and Fixing Sanitary items as per following item description including all accessories, specials, bends etc.and including all material, labour, T&amp;Ps according to manufacturer's specification, drawings and as approved and directed by engineer.</b>				
58	Providing & fixing water closet_ <b>Squatting Pan(Indian type W.C. Pan)</b> with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device(handle lever)conforming to IS:7231, with all fittings and fixtures complete inclding cutting and making good the walls and floors wherever required ( PARRYWARE, HINDUSTAN or approved equivalent make)White Vitreous china Orissa pattern W.C. pan of size 580 x 440mm with integral type foot rests. <b>(DSR-2007, 17.1.1/263)</b>	2.00	Nos.	2304.65	4609.30
59	Providing & fixing White Vitreous China Flat back half stall urinal of 580x380x350mm ( PARRYWARE, HINDUSTAN or approved equivalent make) with 5ltrs white PVC two way electronic controlled automatic flushing cistern with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. Brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required. <b>(DSR-2007, 17.5.1 / 264)</b>	22.00	Nos.	3720.30	81846.60
60	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and CP flush bend with fittings and CI brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : WC pan with ISI marked white solid plastic seat and lid. <b>(DSR-2007,17.3.1/263)</b>	22.00	Nos.	3282.95	72224.90
61	White Vitreous China <b>Wash Basin ( PARRYWARE, HINDUSTAN or approved equivalent make)</b> _of size 630x450 with CS/MS brackets, 15mm C.P. brass Waste of standard pattern, including painting of fittings and brackets, with a pair of <b>15mm C.P. Brass Pillar Cock.</b> <b>(DSR-2007, 17.7.1/264)</b>	22.00	Nos.	1332.90	29323.80



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
62	Providing & fixing PVC Flexible <b>waste Pipe, of 32mm dia.</b> for sink or wash basin coupling etc. complete. (DSR-2007, 17.28.2.1/267)	22.00	Nos.	46.80	1029.60
63	Providing & fixing PVC Flexible <b>waste Pipe, of 40mm dia.</b> for sink or wash basin coupling etc. complete. (DSR-2007, 17.28.2.2/267)	1.00	Nos.	49.10	49.10
64	Providing & fixing <b>PTMT Grating of approved quality and colour. 100mm Nominal dia.</b> (DSR-2007, 18.58.1.1/301)	38.00	Nos.	39.70	1508.60
65	Providing & fixing <b>Mirror</b> of superior quality and size <b>600mmx450mm with bevelled edge</b> with 6mm thick hard board back fixed to wall with wooden cleats and C.P. brass screws & washers complete. (DSR-2007, 17.31/267)	22.00	Nos.	493.65	10860.30
66	Providing and fixing toilet paper holder : C.P. Brass (DSR-2007, 17.34.1/268)	24.00	Nos.	147.10	3530.40
67	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms. (DSR-2007, 17.73.1/274)	22.00	Nos.	294.65	6482.30
68	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105gms. (DSR-2007, 17.71/274)	24.00	Nos.	164.65	3951.60
69	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with CP brass brackets and guard rail complete fixed with 40mm along screws, rawl plugs etc., complete. (DSR-2007, 17.33/268)	22.00	Nos.	218.80	4813.60
70	Providing & fixing 100mm dia. Inlet & 75mm dia outlet, Sand cast Iron <b>Nahani Trap</b> of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm complete. (DSR-2007, 17.60.2.1/272-273)	38.00	Nos.	573.35	21787.30
71	Providing & fixing <b>Cutting holes</b> in brick masonry or R.C.C. for 100/75mm dia sand cast iron pipes and making good the same with cement concrete 1:3:6 cement, coarse sand and 12.5mm nominal size grit and plastering the surface with 1:4 mortar. (DSR-2007, 17.61.1/273)	20.00	Nos.	152.45	3049.00



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
72	Providing & fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:- Kitchen sink without drain board-610 x510 mm bowl depth 200mm.(DSR2007,17.10.2.1/265)	1.00	Nos.	3439.20	3439.20
<b>(D)</b>	<b>WATER SUPPLY</b>				
	<b>Supply and Fixing Water supply items as per item description including all material, labour, T&amp;Ps according to manufacturer's specification, drawings and as approved and directed by engineer-in-charge.</b>				
73	Providing & fixing <b>Concealed G.I. pipe fitting of 15mm dia.</b> Nominal bore including G.I. fittings as required and making good the chase. (DSR-2007, 18.11.1/292)	350.00	Rmt.	144.75	50662.50
74	Providing & fixing <b>Concealed G.I. pipe fitting of 20mm dia.</b> Nominal bore including G.I. fittings as required painting with anti-corrosive bitumastic paint and making good the chase.(DSR-2007, 18.11.2/292)	225.00	Rmt.	170.15	38283.75
75	Providing and fixing <b>32mm dia. bore gun metal Gate Valve</b> ISI marked (IS: 778 Class 1, PN-1 Mpa) with CI wheel of approved quality (screwed end) 20 mm nominal bore. (DSR-2007, 18.17.2/293)	4.00	Nos.	358.00	1432.00
76	Providing and fixing 15mm dia. Nominal bore <b>Plasticized P.V.C. connection pipe</b> with brass union 45 cms. Length. (DSR-2007, 18.21.2.1/294)	40.00	Nos.	44.75	1790.00
77	Providing and fixing <b>150mm dia. C.P. Brass Shower Rose</b> with 15mm dia inlet. (DSR-2007, 18.22.2/294)	16.00	Nos.	55.80	892.80
78	Providing and fixing 15mm dia. Nominal bore <b>C.P. Brass long body Bib Cock</b> of approved quality confirming to IS:8931 weighing not less than 690 gms. (DSR-2007, 18.51.1/300)	35.00	Nos.	253.95	8888.25
79	Providing and fixing 15mm dia. Nominal bore <b>C.P. Brass Stop Cock (concealed)</b> of approved quality confirming to IS:8931. (DSR-2007, 18.52.1/300)	35.00	Nos.	262.55	9189.25



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
80	Supply and fixing <b>150mm internal dia S.W. Pipe</b> over a concrete bed laid in 1:5:10 Cement, fine sand (F.M. 1.25) and 40mm gauge stone aggregate including jointing of pipes with Jute and 1:1 cement and fine sand. <b>(DSR-2007, 19.3.2/315)</b>	275.00	Rmt.	255.10	70152.50
81	Supply and fixing <b>200mm internal dia S.W. Pipe</b> over a concrete bed laid in 1:5:10 Cement, fine sand (F.M. 1.25) and 40mm gauge stone aggregate including jointing of pipes with Jute and 1:1 cement and fine sand. <b>(DSR-2007, 19.3.3/315)</b>	35.00	Rmt.	299.85	10494.75
82	Supply and fixing 150x100mm size <b>square mouth S.W. Gully Trap</b> P type, with C.I. grating, brick masonry chamber, and water tight C.I. cover frame 300x300mm size inside The wt. of cover & frame to be not less than 7.2 kg. <b>(DSR-2007, 19.4.2.1/316)</b>	20.00	Nos.	961.95	19239.00
83	Constructing brick masonry <b>Man holes chamber</b> in 1:4 cement mortar of inside size 900x800 and 450mm, with circular C.I. cover & frame (Medium Duty) of size 560 internal diameter along with inside plaster 15mm thick with 1:3 cement mortar along with providing galvanised rungs as per drawing with a floating coat of neat cement and making channels in cement conc. 1:2:4 mix and finishing smooth including curing and testing. <b>(DSR-2007, 19.7.1.1/317)</b>	16.00	Nos.	5383.70	86139.20
84	Constructing brick masonry <b>Man holes</b> in 1:4 cement mortar of inside size <b>1200x900 and 900mm deep</b> with C.I. cover & frame (Heavy Duty) of size 560 internal diameter. Total wt. of cover and frame to be not less than 208 kg. and inside plaster 15mm thick with 1:3 cement mortar with a floating coat of neat cement along with providing galvanised rungs as per drawing and making channels in cement conc. 1:2:4 mix and finishing smooth including curing and testing <b>(DSR-2007, 19.7.2.1/317)</b>	4.00	Nos.	11882.20	47528.80
<b>E.</b>	<b>ELECTRICAL WORKS</b>				
85	Tube Light Box Fitting 40 watt wall mounting	105.00	Nos.	800.00	84000.00
86	Tube Light Box Fitting 80 watt ceiling mounting	20.00	Nos.	1900.00	38000.00
87	Bracket Light CFL 18 watt wall mounted	75.00	Nos.	145.00	10875.00
88	Celing Light 25 Watt	35.00	Nos.	250.00	8750.00



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
89	Celing Fan 1200 mm with Electronic Regulator	87.00	Nos.	1750.00	152250.00
90	Fan Box C.I. Big Size	87.00	Nos.	45.00	3915.00
91	Point 5 amp - 5 Pin moduler type with Switch	85.00	Nos.	400.00	34000.00
92	Power Point 16 amp - 5 Pin moduler type with Switch	15.00	Nos.	600.00	9000.00
93	Power Point 32 amp - 5 Pin moduler type with Switch	42.00	Nos.	650.00	27300.00
94	Exhaust Fan 12" Ball Bearing Type	27.00	Nos.	1750.00	47250.00
95	Call Bell point Buzzer type 230 V AC indicator option Re-set type with moduler Call Bell Switch Supply and fixing.	21.00	Nos.	350.00	7350.00
96	Supply and fixing 2 mm thk. PVC Pipe dia 25 mm.	1300.00	Mtr.	27.50	35750.00
97	Supply and fixing 2 mm thk. PVC Junction Box 25 mm	1850.00	Nos.	55.00	101750.00
98	Supply and fixing 2 mm thk. PVC Long Band Box 25 mm	1850.00	Nos.	85.00	157250.00
99	Supply and fixing 2 mm thk. PVC Tee 25 mm	1850.00	Nos.	78.00	144300.00
100	Supply and fixing Ceiling rose 5 Amp.	400.00	Nos.	22.00	8800.00
101	Supply and fixing of Copper Wire 6.0 sq mm <b>YELLOW</b> multi-stand/multi layer	630.00	Mtr.	42.00	26460.00
102	Supply and fixing of Copper Wire 1.5 sq mm <b>BLACK</b> multi-stand/multi layer	5550.00	Mtr.	8.50	47175.00
103	Supply and fixing of Copper Wire 1.0 sq mm <b>Green</b> multi-stand/multi layer	5550.00	Mtr.	6.00	33300.00
104	Supply and fixing of telephone wire 4 pair scree protected suitable for connecting telephone jack flush mounted	550.00	Mtr.	12.00	6600.00
105	Supply and fixing of Internet wire 4 pair scree protected suitable for connecting Internet jack flush mounted	550.00	Mtr.	12.00	6600.00
106	Supply and fixing GI Box 12" × 10" factory made with UPVC sheet & bras screw of matching colors	87.00	Nos.	115.00	10005.00
107	8 Modul Switch Box Moduler type	61.00	Nos.	85.00	5185.00
108	4 Modul Switch Box Moduler type	26.00	Nos.	60.00	1560.00



S. N.	Description of Work	Total Qty.	Unit	Rate	Total Amount (Rs.)
109	Main Light Control Panel shall be made CRCA sheet 2 mm thk. Powder Coated Comprise Pattern each MCCB Feeder Details as under I/C - 250 A MCCB Micro Proccesor - O / L, S / C & E / F equiped, O/G - 63 A, 4-Pole, BC 25 KA 6 Nos, Make - L & T, Semiens And Shainder	1.00	Nos.	75000.00	75000.00
(a)	Supply and fixing <b>MLDB</b> 4-ways TPN Double Door Powder Coated IP 54 Insulated surface Mounted with Transparrent Cover Door Incomer 63 A 4-Pole MCB, BC 20 KA and Out-Going 10 A SP 12 Nos. BC 10 KA ( 4- Nos each Phase)	13.00	Nos.	6000.00	78000.00
(b)	Cable 95 sq mm x 4 Core Al. AR. X 1 Run From Main to Building MLDB (Approx)	100.00	Mtr.	812.00	81200.00
110	Grid Earthing BFC Chemical 70 mm, 3 Mtr. Lg. with Earth Chamber - Earting Strip G.I. 25 x 6 mm. shall be used from Earth Grid to Equipments.	5.00	Nos.	8000.00	40000.00
				<b>Total</b>	<b>22848699.43</b>
	<b>Add labour cess @1%</b>				228486.99
				<b>Total</b>	<b>23077186.42</b>
			<b>Say Rs (In Lacs)</b>		<b>230.77</b>