

## SCHEDULE OF ITEMS

**NIT No. : 03/2020-21 dated 05.08.2020**

**Name of the work: Item Rate Contracts for Miscellaneous works at NID Campus Ahmedabad & Gandhinagar**

Item No.	Description of Item	Unit	Rate
<b>A</b>	<b>EARTH WORKS</b>		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth :All kinds of soil	Cum	
2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil outside campus : All kinds of soil : <b>2(a)</b> Pipes, cables etc, not exceeding 80 mm dia.	metre	
2b	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	
2c	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm.	metre	
3	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 up to 1.5 m.	Cum	
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	
5	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish outside campus upto any lead and lift : All kinds of soil.	Sqm	
<b>B</b>	<b>CONCRETE WORKS</b>		
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - <b>6(a)</b> All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	
6b	1:3:6 (1 Cement : 3 coarse sand(zone-III) : 6 graded stone aggregate 20 mm nominal size).	Cum	
6c	1:4:8 (1 Cement : 4 coarse sand(zone-III) : 8 graded stone aggregate 40 mm nominal size).	Cum	
7	Centering and shuttering including strutting, propping etc. and removal of form work for : <b>7(a)</b> Foundations, footings, bases for columns.	Sqm	
7b	Columns, piers, abutments, pillars, posts and struts.	Sqm	

Item No.	Description of Item	Unit	Rate
8	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing. <b>8(a)</b> : 1:1½:3 (1 Cement : 1½ coarse sand(Zone III) : 3 graded stone aggregate 20 mm nominal size).	Cum	
9	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete. 9(a) 1:1½:3 (1 Cement : 1½ coarse sand(Zone III) : 3 graded stone aggregate 20 mm nominal size).	Cum	
10	Making plinth protection 50mm 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 necessary excavation leveling and dressing and finishing the top smooth. All works up to plinth level:	Sqm	
<b>C</b>	<b>RCC WORKS</b>		
11	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : <b>11(a)</b> : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	
11b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	
12	Centering and shuttering including strutting, propping etc. and removal of form for all heights: 12(a) Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	
12b	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	
12c	Suspended floors, roofs, landings, balconies and access platform.	Sqm	
12d	Shelves (Cast in situ).	Sqm	
12e	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	
12f	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	
12g	Stairs, (excluding landings) except spiral-staircases.	Sqm	
12h	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	Sqm	
12i	Cornices and mouldings	Sqm	
12j	Weather shade, Chajjas, corbels etc., including edges.	Sqm	
12k	Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12mm thick.	Sqm	
12l	Lintels, beams, plinth beams, girders, bressumers and cantilevers. with water proof ply 12mm thick.	Sqm	
12m	Grooves,Chamfers upto 12mm and Tapak upto 25mm	metre	
12n	Extra for Exposed finish as per requirement and pattern	Sqm	

Item No.	Description of Item	Unit	Rate
13	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured) <b>13(a)</b> Suspended floors, roofs, landing, beams and balconies (Plan area to be measured).	Sqm	
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto floor V Level 14(a) Thermo-Mechanically Treated bars of approved brand	Kg	
15	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand)	Sqm	
16	Add for plaster drip course/ groove/ chamfer in plastered surface or moulding to R.C.C. projections.	metre	
17	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, 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. 17(a) All works up to plinth level.	Cum	
17b	All works above plinth level up to floor V level.	Cum	
<b>D</b>	<b>BRICK WORKS</b>		
18	Brick work with common burnt clay F.P.S. (non modular) bricks in superstructure above plinth level up to floor V level in all shapes and sizes in : (i) Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	
18 (ii)	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	
19	Half brick masonry with common burnt clay F.P.S. (non modular) bricks in foundations and plinth in. (i) Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	
19 (ii)	Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	
20	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	
21	Brick work with common burnt clay modular bricks in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand). 21(a) From ground level upto plinth level.	Cum	
21b	Above plinth level upto floor V level.	Cum	
22	Exposed brick work for half brick masonry with common burnt clay upto to floor V level complete in CM (1:4)	Sqm	
23	Exposed brick work for brick on edge / cladding works upto floor V level complete in CM(1:4)	Sqm	
<b>E</b>	<b>MARBLE AND GRANITE WORKS</b>		

Item No.	Description of Item	Unit	Rate
24	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, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. (Basic Rate : Rs 2500/sqmt) : 24(a) Area of slab upto 0.50 sqm.	Sqm	
24b	Area of slab over 0.50 sqm.	Sqm	
25	Granite of any colour and shade (Basic Rate : Rs 2500/sqmt) : 25(a) : Area of slab upto 0.50 sqm	Sqm	
25b	Area of slab over 0.50 sqm.	Sqm	
26	Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. 26(a) Marble work	metre	
26b	Granite work.	metre	
27	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite / stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	No.	
28	Mirror polishing on marble work/Granite work/Kotahstone work where ever required to give high gloss finish complete	Sqm	
29	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with : 29(a) 4.0 mm thick glass panes	Sqm	
29b	5.5 mm thick glass panes.	Sqm	
<b>F</b>	<b>FINISHING WORKS</b>		
30	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 30(a) : 1:4 (1 cement : 4 coarse sand)	Sqm	
30b	1:6 (1cement : 6 coarse sand)	Sqm	
31	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. 31(a) : 40 mm thick with 20 mm	Sqm	
32	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : Thickness upto 20/25 mm thick 32(a) Upto 600	Sqm	
32b	Upto 600 mm x 600mm - Green polished Kotah Stone	Sqm	
33	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	

Item No.	Description of Item	Unit	Rate
34	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), 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 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	Sqm	
35	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,, complete.	Sqm	
36	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) 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 12 mm thick bed of cement Mortar 1:3 (1cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kgper sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	
37	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1stquality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4(1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	
<b>G</b>	<b>PLASTER WORKS</b>		
38	12 mm cement plaster of mix : <b>38.1</b> : 1:4 (1 cement: 4 fine sand)	Sqm	
38.2	1:6 (1 cement: 6 fine sand)	Sqm	
39	15 mm cement plaster on the rough side of single or half brick wall of mix : 39.1 : 1:4 (1 cement: 4 fine sand)	Sqm	
39.2	1:6 (1 cement: 6 fine sand)	Sqm	
40	20 mm cement plaster of mix : 40.1 : 1:4 (1 cement: 4 fine sand)	Sqm	
40.2	1:6 (1 cement: 6 fine sand)	Sqm	
41	12 mm cement plaster of mix : 41.1 : 1:4 (1 cement: 4 coarse sand)	Sqm	
41.2	1:6 (1 cement: 6 coarse sand)	Sqm	
42	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 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).	Sqm	

Item No.	Description of Item	Unit	Rate
43	6 mm cement plaster of mix : 1:3 (1 cement: 3 fine sand)	Sqm	
44	6 mm cement plaster 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	Sqm	
45	Rough cast plaster upto 10 m height above ground level with a mixture of sand and gravel or crushed stone from 6 mm to 10 mm nominal size, dashed over and including the fresh plaster in two layers, under layer 12mm cement plaster 1:4 (1 cement: 4 coarse sand) and top layer 10 mm cement plaster 1:3 (1 cement: 3 fine sand) mixed with 10% finely ground hydrated lime by volume of cement. Ordinary cement finish using ordinary cement	Sqm	
46	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement: 3 fine sand) : 46.1 : Flush / Ruled/ Struck or weathered pointing.	Sqm	
46.2	Raised and cut pointing	Sqm	
47	Extra for pointing on walls on the outside at height more than 10 m from ground level for every additional height of 3 m or part there of.	Sqm	
48	Washed stone grit plaster on exterior walls of height upto 10 metre above ground level, in two layers, under layer 12mm cement plaster 1:4 (1cement: 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement: 1/2 coarse sand :2 stone chipping 10mm nominal size), in panels with groove all around as per approved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-in- charge (Payment for providing grooves shall be made separately).	Sqm	
49	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge : 49.1 : 15 mm wide and 15 mm deep groove	Sqm	
49.2	20 mm wide and 15 mm deep groove	Sqm	
<b>H</b>	<b>REPAIRS TO BUILDINGS</b>		
50	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : 50.1 : With cement mortar 1:4 (1 cement : 4 fine sand).	Sqm	
50.2	With cement mortar 1:4 (1cement: 4 coarse sand).	Sqm	

Item No.	Description of Item	Unit	Rate
51	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground within 50 meters lead : 51.1 : Door chowkhats .	No.	
51.2	Window chowkhats .	No.	
51.3	Clerestory window chowkhats .	No.	
52	Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners/Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.	No.	
53	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/rubbish to the nearest municipal dumping ground. For door/ window/ clerestory window.	Sqm	
54	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: 54.1 clear glass panes of thickness 4 mm.	Sqm	
54.2	clear glass panes of thickness 5.5 mm .	Sqm	
55	Renewing glass panes, with wooden fillets wherever necessary: 55.1 : clear glass panes of thickness 4 mm .	Sqm	
55.2	clear glass panes of thickness 5.5 mm .	Sqm	
56	Renewing glass panes and refixing existing wooden fillets: 56.1 : clear glass panes of thickness 4 mm .	Sqm	
56.2	clear glass panes of thickness 5.5 mm .	Sqm	
56.3	Fixing old glass panes with wooden fillets (excluding cost of fillets) .	Sqm	
57	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with : 57.1 : 4.0 mm thick glass panes.	Sqm	
57.2	5.5 mm thick glass panes.	Sqm	
58	Providing and fixing 85x42mm chromium plated brass pull bolt lock with necessary chromium plated brass screws, nuts, bolts and washers etc. complete.	No.	
59	Providing and fixing 6mm thick wire glass (replacing broken wire glass) refixing existing wooden fillets etc. complete	Sqm	
60	Providing and fixing 6mm thick plain cement sheet (replacing broken sheet) refixing existing wooden fillets etc. complete	Sqm	
I	<b>DEMOLISHING &amp; DISPOSAL WORKS</b>		

Item No.	Description of Item	Unit	Rate
61	Demolishing lime concrete manually/ by mechanical means and disposal of material out of the Campus as per direction of Engineer in-charge	Cum	
62	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 62.1 : Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	
62.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	
63	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material out of the Campus as per direction of Engineer - in-charge.	Cum	
64	Demolishing R.B. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material out of the Campus as per direction of Engineer-in-charge.	Cum	
65	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material outside NID Campus as per direction of Engineer-in-charge.In cement mortar	Cum	
66	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, including all leads & all lifts involved.	Cum	
67	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	
68	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	Sqm	



Item No.	Description of Item	Unit	Rate
69	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, allcomplete as per manufacturer's specifications & direction of Engineer in-Charge. 69.1 80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern.	Sqm	
70	Taking out of existing kerb stones of all types from footpaths / central verge , including removal of mortar etc. disposal of unserviceable material to the dumping ground, for which payment shall be made saperately and staking of serviceable material within 50 meter lead as per direction of Engineer- In Charge	metre	
71	Laying at or near ground level old kerb stones of all typesin position to the required line, level and cruvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand ), including making joints with or without grooves (thickness of joints, except at sharp cruve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment).	metre	
72	Providing and Laying at or near ground level new kerb stones of all typesin position to the required line, level and cruvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand ), including making joints with or without grooves (thickness of joints, except at sharp cruve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment).	metre	
<b>J</b>	<b>PLUMBING ITEMS</b>		
73	Providing and fixing on wall face unplastiscised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes. Including all requierd fittings i.e , pipe clips, elbow, tee, coupler etc. 73 (a) : 75 mm diameter	rmt	
73b	110 mm diameter	rmt	
73c	150 mm diameter	rmt	

Item No.	Description of Item	Unit	Rate
74	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : 74.1 : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	No.	
75	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 & C.P. flush bend with fittings & C.I. brackets, 40 mm 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 : 75.1 : W.C. pan with ISI marked white solid plastic seat and lid	No.	
76	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: 76.1 : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	No.	
76.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap.	No.	
76.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.	No.	
76.4	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	No.	
77	White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.	No.	
78	Providing and fixing Stainless Steel A Isis 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510 mm bowl depth 200 mm.	No.	
79	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	No.	
79.1	Rate for labour charges for fixing of White vitreous china pedestal type (European type/ wash down type) water closet pan.	No.	
80	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	No.	
81	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 81(a) 10 litre capacity - White	No.	
82	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	No.	

Item No.	Description of Item	Unit	Rate
82a	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	No.	
83	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 83.1 : Semi rigid pipe : 32 mm dia	No.	
83.1	40 mm dia	No.	
83	Flexible pipe 83.1 32 mm dia	No.	
83.2	40 mm dia	No.	
84	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 30/40 mm	No.	
85	Providing and fixing PTMT Bottle Trap for Wash basin and sink. 13.1 : Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	No.	
85.1	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms	No.	
86	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	No.	
87	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	No.	
88	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall <b>88.1</b> 15 mm nominal outer dia. Pipes.	metre	
88.2	20 mm nominal outer dia. Pipes.	metre	
88.3	25 mm nominal outer dia .Pipes.	metre	
88.4	32 mm nominal outer dia. Pipes.	metre	
88.5	40 mm nominal outer dia. Pipes.	metre	
88.6	50 mm nominal outer dia. Pipes.	metre	

Item No.	Description of Item	Unit	Rate
87	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. :Concealed work, including cutting chases and making good the walls etc. <b>87.1</b> 15 mm nominal outer dia .Pipes.	metre	
87.2	20 mm nominal outer dia .Pipes.	metre	
87.3	25 mm nominal outer dia .Pipes.	metre	
87.4	32 mm nominal outer dia .Pipes.	metre	
88	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge : External work : <b>88.1</b> : 15 mm nominal outer dia. Pipes.	metre	
88.2	20 mm nominal outer dia. Pipes.	metre	
88.3	25 mm nominal outer dia. Pipes.	metre	
88.4	32 mm nominal outer dia. Pipes.	metre	
88.5	40mm nominal outer dia.pipes.	metre	
88.6	50mm nominal outer dia.pipes	metre	
89	Providing and fixing brass stop cock of approved quality : <b>89.1</b> 15 mm nominal bore	No.	
89.2	20 mm nominal bore	No.	
90	Providing and fixing uplasticised PVC connection pipe with brass unions : 90.1 : 30 cm length : 15 mm nominal bore	No.	
90.1.2	30 cm length : 20 mm nominal bore	No.	
90.2	45 cm length : 15 mm nominal bore	No.	
90.2.1	45 cm length : 20 mm nominal bore	No.	
91	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 91.1 : 100 mm diameter	No	
91.2	150 mm diameter	No.	
92	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement :5 fine sand:10 graded stone aggregate 40mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design : <b>92.1</b> : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	No.	

Item No.	Description of Item	Unit	Rate
93	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size ) , i/c necessary excavation, foundation concrete 1:5:10 (1cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	No.	
94	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	No.	
95	Providing and fixing brass bib cock of approved quality :95.1 : 15 mm nominal bore	No.	
95.2	20 mm nominal bore	No.	
96	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. : 15 mm nominal bore.	No.	
97	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. : 15 mm nominal bore	No.	
98	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore.	No.	
99	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore	No.	
100	Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology. 15 mm nominal bore.	No.	
<b>K</b>	<b><u>Waterproofing works in toilet sunk slabs</u></b>		
101	Waterproofing treatment to toilet sunk slabs including its sides using water proof mortar and covering it with one coat of Dischtament DS of MC Bouchemie or SIKKA or Pidilite or Fosroc make.	Sqm	

Item No.	Description of Item	Unit	Rate
102	Laying of Light weight cinder concrete in toilet sunk areas in 1:5:10 by using waterproofing compound of Pidilite/Sikka/Fosroc make	Sqm	
103	Core Cutting upto 150mm dia. In RCC OR Brickwork work completed including all material ,labour T&P etc. as per instruction of Engineer Incharge.	No.	
<b>L</b>	<b>Aluminium works</b>		
104	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : (a) <b>For fixed portion :</b> <b>(i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic</b>	Sqm	
104 (ii)	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Sqm	
104 b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Sqm	
104 b (ii)	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Sqm	
105	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): (a) With clear glass panes of 4.0 mm thickness	Sqm	
105 b)	With clear glass panes of 5.50 mm thickness	Sqm	
105 c)	With clear glass panes of 8 mm thickness	Sqm	
105 d)	With clear glass panes of 12mm thickness	Sqm	

Item No.	Description of Item	Unit	Rate
106	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg., for doors, including cost of cutting floors ,embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. (a) With stainless steel cover plate minimum 1.25 mm thickness.	No.	
107	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear clear glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Sqm	
108	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete. (a) 205 x 19 mm	No.	
108 (b)	255 x 19 mm	No.	
108 (c)	355 x 19 mm	No.	
109	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. (a) Anodized (AC 15 ) aluminium tubular handle bar	No.	
109 b)	Powder coated minimum thickness 50 micron aluminium tubular handle bar.	No.	
110	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	No.	
111	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. (a) Anodized (AC 15) aluminium	No.	
111 b)	Powder coated minimum thickness 50 micron aluminium.	No.	
112	Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-charge (a) Anodized (AC 15 ) aluminium	No.	
112 b)	Powder coated minimum thickness 50 micron aluminium	No.	

Item No.	Description of Item	Unit	Rate
113	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick /Stone /wood /Ceramic/Gypsum work by providing weather /structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete complying to ASTM C920, DIN 18540-F & ISO 11600. (a) Upto 5mm depth and 5 mm width	Rmt	
113 b)	Upto 10 mm depth and 10 mm width	m	
113 c)	Upto 20 mm depth and 20 mm width	m	
114	Removing, refixing and alteration of existing aluminum fixed glass partition, sliding window type partition, doors etc. (Labor charges)	Sqm	
115	Supply and fixing 12mm thick Toughened clear glass	Sqm	
116	Supply and fixing 12mm thick Toughened clear glass (replacing broken glass)	Sqm	
117	Supply and fixing 12mm thick clear glass (replacing broken glass)	Sqm	
<b>M</b>	<b>Painting works</b>		
118	White washing with lime to give an even shade: New work (three or more coats)	Sqm	
119	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work.	Sqm	
120	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer.	Sqm	
121	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. (a) On steel work	Sqm	
121 b)	On concrete work	Sqm	
122	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (a) New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution.	Sqm	
123	Polishig on wooden work, wooden glass partitions (old work)		
<b>N</b>	<b>Steel work</b>		
124	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.	Kg	



Item No.	Description of Item	Unit	Rate
125	Structural steel work 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.	Kg	
125	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. (a) Hot finished welded type tubes.	Kg	
125 b)	Hot finished seamless type tubes.	Kg	
126	Supply and Fixing carbon steel galvanised dash fastners (Mechanical Type) (a) : 10mm x 80mm	Nos.	
126 b)	10mm x 60mm	Nos.	
126 c)	12mm x 80mm	Nos.	
126 d)	12mm x 100mm	Nos.	
127	Supply and Fixing G.I. chain link fencing with 50 x 50mm opening of 3mm dia GI wire. With required nut, bolt, washer, pins etc.	Sqm	
128	Supply and Fixing GI barbed wire 12x14g with all required nut, bolt, washers, pins or binding wire etc. complete	Rmt	
129	Supply and fixing concertina blade wire fencing of 600mm dia	Rmt	