

## FINANCIAL BID (Part -B)

### (A) ABSTRACT OF COST

**A. Name of work:** A.R.M. of Civil & Electrical work at ESI Dispensaries Delhi/New Delhi.

### (B) ABSTRACT OF COST

**AR&M Civil Work (Annual) i.e. Horticulture & General Maintenance - Schedule of Quantity:-**

S.No.	Description of Items	Unit	Qty.	Rate per unit(Rs.)	Amount
	<b><u>Earth Work</u></b>				
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge: (A) All kinds of soil	100 Sqm	4		
2	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. (A) All kinds of soil.	Cum	40		
3	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 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 as directed, within a lead of 50 m. All kinds of soil (A) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	100		
4	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.	Cum	700		
5	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. (A) All kinds of soil	100 Cum	40		

### **Concrete**

6	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :</p> <p>(A) "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).</p> <p>(B) 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)</p>	Cum  Cum	60  60		
7	<p>Centering and shuttering including strutting, propping etc. and removal of form work for :</p> <p>(A) Columns, piers, abutments, pillars, posts and struts</p>	Sqm	180		
8	<p>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, levelling &amp; dressing &amp; finishing the top smooth.</p>	Sqm	100		
9	<p>Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, 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 the Engineer-in-charge. sand and aggregate derived from natural sources.</p> <p>Note : (1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC."</p> <p>4.19.1 All works upto plinth level:</p> <p>4.19.1.1 M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)</p>	Cum	4		

**R.C.C.**

10	<p>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 above plinth level 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 (zone-III) : 3 graded stone aggregate 20 mm nominal size).</p>	Cum	10		
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11	Centering and shuttering including strutting, propping etc. and removal of form for all heights :	Sqm	40		
	(A) Foundations, footings, bases of columns, etc. for mass concrete				
	(B) Suspended floors, roofs, landings, balconies and access platform	Sqm	40		
	(C) Shelves (Cast in situ)	Sqm	40		
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	Kg	2000		
	(A) Cold twisted bars				

**Brick/Stone Work**

13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: (A) Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	60		
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : (A) Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	60		
15	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. (A) Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	200		
16	Providing and fixing horizontal chajja of stone 40 mm thick and upto 80	Sqm	100		
	cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), including				
	pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with				
	an admixture of pigment matching the stone shade :				
	7.29.1 Red sand stone				

**Marble & Granite Work**

17	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded 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 20 mm 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.	Sqm	40		
	8.2.2 Granite of any colour and shade				
	8.2.2.1 Area of slab upto 0.50 sqm 8.2.2.2 Area of slab over 0.50 sqm				
18	Providing edge moulding to 18 mm thick marble stone counters, Vanities	metre	50		
	etc., including machine polishing to edge to give high gloss finish etc.				
	complete as per design approved by Engineer-in-Charge.				

	(A) Granite work				
19	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.  (A) Wedge expansion type, Fastener with threaded dia 10 mm	Each	40		
20	Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.  (A) 8mm thick, Granite of any colour and shade	Sqm	100		
21	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.  (A) White Agaria Marble Stone  Granite Stone of approved shade	Sqm	20		

**Wood and PVC Work**

22	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia& length ( hold fast lugs or dash fastener shall be paid for separately).  (A) Kiln seasoned and chemically treated hollock wood	Cum	3		
23	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.  9.5.1 Second class teak wood 9.5.1.1 35 mm thick shutters	Sqm	10		
24	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :  9.7.7 Float glass panes 9.7.7.1 4 mm thick glass pane 9.7.7.2 5.5 mm thick glass panes	Sqm	50		
25	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with	Sqm	60		

	<p>frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:</p> <p>(A) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws</p> <p>(B) 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws</p>	Sqm	40		
26	<p>Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :</p> <p>(A) 25 mm dia (heavy type)</p>	metre	150		
27	<p>Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :</p> <p>(A) 125 mm</p>	Each	120		
28	<p>Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :</p> <p>(A) 300x16 mm</p> <p>(B) 250x16 mm</p>	Each	48		
29	<p>Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :</p> <p>(A) 250x10 mm</p> <p>(B) 200x10 mm</p> <p>(C)150x10 mm</p>	Each	50		
		Each	50		
		Each	50		
30	<p>Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.</p> <p>(A) 300 mm weighing not less than 200 gms</p>	Each	24		
31	<p>Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.</p>	Each	36		
32	<p>Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:</p> <p>(A) 125x75x4 mm</p>	Each	20		
33	<p>Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :</p> <p>(A) 300x16 mm</p> <p>(B) 250x16 mm</p>	Each	120		
		Each	60		
34	<p>Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :</p> <p>(A) 300x10 mm</p>	Each	60		

	(B) 250x10 mm	Each	60		
35	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (A) 125 mm (B) 100 mm	Each	120		
36	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. (A) Twin rubber stopper	Each	120		
37	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	10		
38	P/F 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm ( $\pm 0.2$ mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm 0.2$ mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	50		

**Steel Work**

39	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	3500		
40	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	Sqm	20		
41	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6	Sqm	32		

	mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. (A) Using flats 30x6mm for diagonal braces and central cross piece				
42	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	5000		
43	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	50		
44	Providing and fixing bolts including nuts and washers complete.	Kg	50		
45	Welding by gas or electric plant including transportation of plant at site etc. complete.	Cm	6000		
46	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. (A) Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides	Sqm	180		

**Flooring**

47	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. (A) 40 mm thick with 20 mm nominal size stone aggregate	Sqm	250		
48	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: (A) 1:4 (1 cement : 4 coarse sand)	Sqm	300		
49	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) : (A) 25 mm thick	Sqm	100		
50	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	100		
51	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	Sqm	50		
52	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved	Sqm	1000		

	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 : 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.				
53	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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of 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 pigments etc., complete.	Sqm	1000		
54	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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 (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. (A) Size of Tile 600x600 mm	Sqm	2500		
55	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 11.13.1 40 mm wide and 4 mm thick	Sqm	50		

**Roofing**

56	10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar with bhusha @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks, grouted with cement mortar 1:3 ( 1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat. (A) With machine moulded common burnt clay F.P.S. (non modular) brick tiles of class designation 12.5, conforming to IS 2690	Sqm	300		
57	Providing high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	Sqm	1200		



58	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : (A) In 75x75 mm deep chase	metre	400		
59	Providing and fixing on wall face unplasticised 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. (A) 75 mm diameter (B) 110 mm diameter	metre	100		
60	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised 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. (A) 75 mm bend (B) 110 mm bend	metre	200		
60	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised 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. (A) 75 mm bend (B) 110 mm bend	Each	50		
61	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. (A) 0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	Each	50		
61	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. (A) 0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	Each	300		
62	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 25x10x0.50 mm of required length with nuts & 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.	Sqm	100		

	<p>wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm 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, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p> <p>12.45.2 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I</p>				
63	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main T at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main T runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>	Sqm	750		

	(A) 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC ( Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.				
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**Finishing**

64	12 mm cement plaster of mix : (1 cement: 4 fine sand)	Sqm	2000		
65	15 mm cement plaster on the rough side of single or half brick wall of mix : (1 cement: 4 fine sand)	Sqm	1000		
66	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	5000		
67	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : (A) New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	20000		
68	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : (A) Water thinnable cement primer	Sqm	25000		
69	Finishing walls with water proofing cement paint of required shade : (A) New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	4000		
70	Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	10000		
71	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. (A) 20 mm cement plaster	Sqm	700		
72	Painting with aluminium paint of approved brand and manufacture to give an even shade . 13.63.1 Two or more coats on new work	Sqm	500		
73	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	Sqm	1000		

**Repairs To Building**

74	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, all complete as per directions of Engineer-In-Charge. 14.1.1 With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	1200		
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75	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: 14.5.1 Float glass panes of thickness 4 mm 14.5.1 Float glass panes of thickness 5.5 mm	Sqm	150		
76	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work : 14.51.1 75 mm diameter pipes 14.51.2 100 mm diameter pipes	Sqm	160		
77	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	40000		
78	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska : 14.18.1 With F.P.S. brick tiles	Sqm	300		
79	White washing with lime to give an even shade : 14.42.2 Old work (one or more coats)	Sqm	10000		
80	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : 14.54.1 One or more coats on old work	Sqm	13000		
81	Finishing walls with water proofing cement paint of required shade : 14.64.1 Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	Sqm	15000		
82	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, all complete as per directions of Engineer-In-Charge. 14.2.1 Door chowkhats	Each	50		
83	Polishing on wood work with ready made wax polish of approved brand and manufacture : 14.59.1 Old work	Sqm	200		
84	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working	Sqm	750		

<p>platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. sqm 160.15</p> <p>Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.</p>			
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**Dismantling and Demolishing**

85	<p>Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 15.2.1 Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)</p>	Cum	40		
86	<p>Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.</p>	Cum	20		
87	<p>Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. 15.7.1 In mud mortar</p>	Cum	50		
88	<p>Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : 15.13.2 Of area beyond 3 sq. metres</p>	Each	50		
89	<p>Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. 15.23.1 For thickness of tiles 10 mm to 25 mm</p>	Sqm	1000		
90	<p>Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.</p>	Sqm	500		
91	<p>Demolishing mud phaska in terracing and disposal of material within 50 metres lead.</p>	Cum	800		
92	<p>Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead</p>	Cum	1000		
93	<p>Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.</p>	Sqm	2500		

94	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	Sqm	1000		
95	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, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	500		

**Road Work**

96	Providing and fixing at or near ground level factory made RCC pavement slab of M-30 grade of size 450x450x50 mm, including reinforcement with 6 mm dia M.S. bars 4 nos on each side, including setting in position in footpath to the required level and line over a bed of 20 mm average thick cement mortar 1:5 (1 cement : 5 coarse sand), having joint thickness not more than 5mm except on curve, including filling of joints with same cement mortar and making grooves etc. complete as per direction of Engineer-in-charge.	Sqm	200		
97	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	2000		

**Sanitary Installation**

98	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC 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 : 17.5.1 Single half stall urinal with 5 litre P.V.C. automatic flushing cistern each 6187.40 17.5.2 Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern each 9317.60 17.5.3 Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern	Each  Each  Each	8  8  8		
99	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC	Each	12		

	flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : 17.6.3 Range of three squatting plates with 10 litre P.V.C. automatic flushing cistern				
100	Providing and fixing white vitreous china water closet squatting pan (Indian type) : 17.13.1 Long pattern W.C. pan of size 580 mm	Each	8		
101	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	8		
102	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete : 17.20.1 White solid plastic seat with lid	Each	48		
103	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	Each	8		
104	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : 17.25.2 Flat back wash basin of size 550x400 mm 17.25.4 Angle back wash basin of size 400x400 mm	Each Each	12 12		
105	Providing and fixing kitchen sink including making all connections excluding cost of fittings. 17.26.1 White glazed fire clay sink of size 600x450x250 mm	Each	8		
106	Providing and fixing Stainless Steel A ISi 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 : 17.10.1.2 510x1040 mm bowl depth 225 mm 17.10.1.3 510x1040 mm bowl depth 200 mm	Each Each	6 6		
107	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. 17.18.1 10 litre capacity - White	Each	48		
108	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 17.28.2 Flexible pipe 17.28.2.1 32 mm dia 17.28.2.2 40 mm dia	Each Each	150 150		
109	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved	Each	48		

	make and shade with 6 mm thick hard board backing : 17.32.2 Rectangular shape 453x357 mm				
110	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. 17.69.1 Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms 17.69.2 Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	Each	30		
111	Providing and fixing PTMT Bottle Trap for Wash basin and sink. 17.70.1 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	Each	24		
112	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.	Each	12		
113	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 17.73.2 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	18		

**Water Supply**

114	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 18.10.1 15 mm dia nominal bore 18.10.2 20 mm dia nominal bore 18.10.3 25 mm dia nominal bore 18.10.4 32 mm dia nominal bore 18.10.5 40 mm dia nominal bore 18.10.6 50 mm dia nominal bore	metre metre metre metre metre metre	60 20 20 20 20 20		
115	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 18.12.1 15 mm dia nominal bore 18.12.2 20 mm dia nominal bore 18.12.3 25 mm dia nominal bore 18.12.4 32 mm dia nominal bore 18.12.5 40 mm dia nominal bore metre 301.05 18.12.6 50 mm dia nominal bore	metre metre metre metre metre metre	120 80 40 12 12 60		
116	Providing and fixing brass bib cock of approved quality :	Each	20		



	18.15.1 15 mm nominal bore				
117	Providing and fixing brass stop cock of approved quality :	Each	12		
	18.16.1 15 mm nominal bore				
	18.16.2 20 mm nominal bore	Each	12		
118	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	Each	24		
	18.17.1 25 mm nominal bore				
119	Providing and fixing uplasticised PVC connection pipe with brass unions :	Each	50		
	18.21.1 30 cm length				
	18.21.1.1 15 mm nominal bore				
	18.21.2 45 cm length	Each	50		
	18.21.2.1 15 mm nominal bore				
120	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.	metre	40		
	18.7.1 15 mm nominal outer dia Pipes	metre	120		
	18.7.2 20 mm nominal outer dia Pipes	metre	40		
	18.7.3 25 mm nominal outer dia Pipes	metre	40		
	18.7.4 32 mm nominal outer dia Pipes	metre	20		
	18.7.5 40 mm nominal outer dia Pipes	metre	20		
	18.7.6 50 mm nominal outer dia Pipes	metre	20		
121	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :	metre	500		
	18.38.1 15 mm diameter pipe				
	18.38.2 20 mm diameter pipe	metre	500		
	18.38.3 25 mm diameter pipe	metre	500		
	18.38.4 32 mm diameter pipe	metre	500		
122	Providing and fixing gun metal non- return valve of approved quality (screwed end) :	Each	8		
	18.19.1 25 mm nominal bore				
	18.19.1.1 Horizontal				
	18.19.2 32 mm nominal bore	Each	4		
	18.19.2.1 Horizontal				
123	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow	Litre	20000		

	pipes but without fittings and the base support for tank.				
124	Providing and fixing PTMT bib cock of approved quality and colour. 18.54.2 15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	120		
125	Providing and fixing PTMT stop cock of approved quality and colour. 18.55.1 15 mm nominal bore, 86 mm long, weighing not less than 88 gms 18.55.2 20 mm nominal bore, 89 mm long, weighing not less than 88 gms	Each Each	60 24		
126	Providing and fixing PTMT pillar cock of approved quality and colour 18.56.1 15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	120		
127	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 18.49.1 15 mm nominal bore	Each	12		
128	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 18.50.1 15 mm nominal bore	Each	12		
129	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 18.51.1 15 mm nominal bore	Each	12		
130	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 18.53.1 15mm nominal bore	Each	12		
131	Providing and fixing PTMT grating of approved quality and colour. 18.58.1 Circular type 18.58.1.1 100 mm nominal dia 18.58.1.2 125 mm nominal dia with 25 mm waste hole	Each Each	60 40		
132	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. 18.62.1 15 mm nominal bore, 105 mm long, weighing not less than 138 gms 18.62.2 20 mm nominal bore, 120 mm long, weighing not less than 198 gms	Each Each	20 12		
133	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	40		
134	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete	Each	20		

	wherever required : 18.47.1 15 mm nominal bore 18.47.2 20 mm nominal bore				
		Each	20		
135	Cutting holes up to 30x30 cm in walls including making good the same: 18.76.1 With common burnt clay F.P.S. (non modular) bricks	Each	50		

**Drainage**

136	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1 L D- 2.5 19.19.1.1 Rectangular shape 600x450 mm internal dimensions 19.19.1.2 Square shape 450 mm internal dimensions 19.19.2.2 Circular shape 500 mm internal diameter (MD 10)	Each    Each Each	24   24 24		
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**Aluminium Work**

137	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) : 21.1.1 For fixed portion 21.1.1.1 Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) 21.1.2 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) 21.1.2.1 Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg           Kg	1000           600		
138	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket	Sqm	50		

	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): 21.3.1 With float glass panes of 4.0 mm thickness				
139	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. 21.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 21.2.2 Pre-laminated particle board with decorative lamination on both sides	Sqm	50		
140	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. 21.8.1 Upto 5mm depth and 5 mm width	metre	300		
141	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	Kg	25		
142	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. 21.4.2 With brass cover plate minimum 1.25 mm thickness	Each	12		
143	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making	Sqm	30		

necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).				
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**Water Proofing**

144	Grading roof for water proofing treatment with 22.14.1 Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	100		
145	Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane. 22.18.1 2mm (for corrugated roof sheets)	Sqm	4000		

**None DSR Rate**

146	P/F Garware make glass sun film to existing window or door glass panels as per the direction of EnginnerinCharge.	Sqm	20		
147	P/F cera make oval & circular shape wash basin with one C.P.Pillar cock, waste bottle trape etc. complete in 540 mm X 400 mm size as per the direction of Engineer incharge.	Each	4		
148	Taking out of existing steel gate & re-fixing the same after get the new level & P/F new fitting welding etc. if damaged during taking out complete as per the direction of Engineer incharge(Cement concrete-Block shall pay separately).	Each	4		
149	P/F Stainless steel handle of size 12" in toughen glass door shutter of ozone or NEXIA complete as per the direction of engineer incharge.	Set	4		
150	P/F Stainless steel lock & floor spring in toughen on each glass door shutter of ozone or NEXIA as per the direction of engineer incharge.	Set	4		
151	Supply of water storage tank's PVC Cover (lid) in black color.	Each	100		
152	Mechanically cleaning of water storage tank of capacity 500-1000 litre.	Per job	200		
153	P/F CP brass jet pressure in WC toilet as per the direction of engr. In-	Each	100		

	charge.				
154	P/F P-Trap of PVC made 110 mm as per the direction of engr. In-charge.	Each	10		
155	P/F CP wash basin mixture (Heavy duty) for existing wash basing 15 mm dia bore as per the direction of engineer incharge.	Each	10		
156	P/F CP brass hand shower (heavy duty) or health fasult 15 mm dia bore as per the direction of engineer incharge.	Each	10		
157	P/F Soap tray of CP brass made near wash basin as per the direction of engineer In-charge.	Each	10		
158	Supply water tanker 5000 Ltrs. Capacity (A)Tigri (B) Factory Road	Each Each	180 180		
159	P/F Commercial Board & ply of ISI mark for covering of any opening etc. with nails & screws wherever necessary as per the direction of Engineer-in-Charge. A) 19 mm thick commercial board. B) 12 mm thick commercial Ply. C) 6 mm thick commercial Ply	Sqm  Sqm Sqm	25  25 25		

## HORTICULTURE AND LANDSCAPING

S.No.	DSR	Description of Items	Unit	Qty.	Amount	Amount
1	2.29.1	Providing Circular Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size), reinforced with 7 nos. (3 nos. horizontal & 4 nos. vertical "U" shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows and height, all complete as per direction of Officer-in-Charge. Top inside dia 35 cm, outer bottom dia 25 cm, total height 35 cm with wall thickness of 25.4 mm	Each	250		
2	2.29.2	Top inside dia 30 cm, outer bottom dia 20 cm, total height 30 cm with wall thickness of 25.4 mm	Each	120		
3	2.30.1	Providing Square Cement Concrete posts of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size), reinforced with 7 nos. (3 nos. horizontal & 4 nos. vertical "U" shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows & height, all complete as per direction of Officer-in-Charge. Top inner width 35 cm, outer bottom width 25 cm, total height 35 cm and wall thickness 25.4 mm	Each	120		
4	2.2	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	Cum	1000		
5	2.3	Supplying and stacking sludge at site including royalty and carriage up to 1 km (sludge measured in stacks will be reduced by 8% for payment).	Cum	150		
6	2.25	Supplying and stacking of well decayed cow dung manure at site including royalty and carriage upto 1 km (Cow dung manure measured in stacks will be reduced by 8% for payment).	Cum	150		
7	2.9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer—in-Charge	Cum	300		

8	2.8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of Officer-in-Charge (Cost of sludge, dump manure and/or good earth to be paid separately).	Cum	80		
9	2.12	Uprooting rank vegetation and weeds by digging the area to a depth of 60 cm, removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growth after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts.	Cum	3600		
10	NDSR	Supply of seasonal flower plants like roses, dog flower, marigold, dahlia, calendula, Chrysanthemum, gladiolus etc	Each	720		
11	NDSR	Supply of earthen/PVC gamla 30 cm	Each	240		
12	NDSR	Supply of Fertilizer (urea) etc.	Kg	60		
13	NDSR	Painting of RCC Gamla with approved shade of enamel paint including priming coat	Each	240		
14	NDSR	Painting of gamla with terracotta paint	Each	480		
15	NDSR	Providing and planting ground cover hedge plants	Each	360		

### **GENERAL MAINTENANCE WORKS**

S.No.	Non DSR	Description of Items	Unit	Qty.	Rate per unit(Rs.)	Amount
1	NDSR	Supply of GI Unioun	Each	180		
		(A) 15 mm				
		(B) 20 mm				
		(C) 25 mm				
2	NDSR	Supply elbow 15 mm	Each	180		
3	NDSR	Supply elbow 20 mm	Each	120		
4	NDSR	Supply Nipple 15 mm*50 mm	Each	120		
5	NDSR	Supply Nipple 15 mm* 100 mm	Each	160		
6	NDSR	Supply Nipple 20 mm * 50 mm	Each	60		
7	NDSR	Supply Nipple 20 mm * 100 mm	Each	60		
8	NDSR	Supply Tee 15 mm * 15 mm	Each	120		
9	NDSR	Cleaning of septic tank sludge sewer tank etc. by tanker 6000 ltr capacity at Mangolpuri or at any other dispensary including disposal at authorized dumping place	Each	12		
10	NDSR	Cleaning of sludge from existing sewer tank (once in a year)	L.S.	3		



11	NDSR	Cleaning of existing manholes/guly chambers by taking out silt from existing sewer and storm water lines, including disposal of all silt etc in Municipal dump.	L.S.	80		
12	NDSR	Cleaning and disinfecting of UGR water storage tank including its chlorination etc. complete.	Each	25		
13	NDSR	Testing of water from Shri Ram Institute, lab for physical, chemical and bacteriological test confirming water portability as per BIS standard	Each	20		
14	NDSR	Re-fixing or replacement minor items only, related to bathroom items	Each	100		