



Name of Work:-Construction of Dining Facility for Visitor Hostal-II.

SCHEDULE OF QUANTITY

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	2	EARTH WORK				
1.1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
1.1.1	2.6.1	All kinds of soil	600	cum	125.95	75570.00
1.2	2.8	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.				
1.2.1	2.8.1	All kinds of soil.	450	cum	166.40	74880.00
1.3	2.25	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.				
			1050	cum	125.75	132038.00
1.4	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
1.4.1	2.26.1	All kinds of soil	255	cum	51.75	13196.00
1.5	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.				
			115	cum	917.75	105541.00
1.6	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
1.6.1	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	450	litre	185.95	83678.00
1.7	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
1.7.1	2.35.1	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:				
1.7.1.1	2.35.1.1	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	150	metre	16.80	2520.00
1.7.2	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:				
1.7.2.1	2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	430	sqm	131.90	56717.00

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		Sub-Total				544140.00
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	145	cum	4478.15	649332.00
2.2	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).	50	sqm	320.25	16013.00
2.3	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	16	kg cement	47.95	767.00
2.4	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	50	sqm	91.90	4595.00
		Sub-Total				670707.00
3	5	REINFORCED CEMENT CONCRETE				
3.1	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
3.1.1	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	155	sqm	193.95	30062.00
3.1.2	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	20	sqm	378.60	7572.00
3.1.3	5.9.3	Suspended floors, roofs, landings, balconies and access platform	625	sqm	422.30	263938.00
3.1.4	5.9.5	Lintels, beams, plinth beams, girders, bressumers and	830	sqm	342.90	284607.00
3.1.5	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	625	sqm	467.85	292406.00
3.1.6	5.9.7	Stairs, (excluding landings) except spiral-staircases	20	sqm	419.35	8387.00
3.1.7	5.9.14	Extra for shuttering in circular work (20% of respective centering and shuttering items)	40	sqm	20.00	800.00
3.1.8	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	10	sqm	193.95	1940.00
3.1.9	5.9.19	Weather shade, Chajjas, corbels etc., including edges	50	sqm	521.75	26088.00
3.2	5.11	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)				
3.2.1	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	180	sqm	171.50	30870.00
3.3	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
3.3.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	23000	Kg	56.60	1301800.00
3.4	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
3.4.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	35000	Kg	56.60	1981000.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
3.5	5.3	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	75	metre	34.15	2561.00
3.6	5.33	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. (Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately).				
3.6.1	5.33.1	All works upto plinth level	145	cum	6446.45	934735.00
3.6.2	5.33.2	All works above plinth level upto floor V level	212	cum	7250.05	1537011.00
		Sub-Total				6703777.00
4	6	BRICK WORK				
4.1	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
4.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	50	cum	4751.65	237583.00
4.2	6.4	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 :				
4.2.1	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	155	cum	5582.85	865342.00
4.3	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
4.3.1	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	15	sqm	593.50	8903.00
4.4	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth				
4.4.1	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	135	sqm	684.20	92367.00
4.5	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	135	sqm	56.85	7675.00
		Sub-Total				1211870.00
5	8	MARBLE AND GRANITE WORK				
5.1	8.2	Providing and fixing 18 mm 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 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.				
5.1.1	8.2.2	Granite of any colour and shade				
5.1.1.1	8.2.2.1	Area of slab upto 0.50 sqm	5	sqm	3351.95	16760.00
5.1.1.2	8.2.2.2	Area of slab over 0.50 sqm	15	sqm	3113.30	46700.00
5.2	8.3	Providing edge moulding to 18 mm 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.				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5.2.1	8.3.2	Granite work	30	metre	245.70	7371.00
5.3	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	31	metre	266.25	8254.00
5.4	8.5	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.	6	each	427.95	2568.00
5.5	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	165	sqm	231.50	38198.00
5.6	8.1	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.				
5.6.1	8.10.2	Granite Stone of approved shade	0.5	sqm	2831.95	1416.00
5.7	8.12	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :				
5.7.1	8.12.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	125	sqm	2887.85	360981.00
		Sub-Total				482248.00
6	9	WOOD AND P.V.C. WORK				
6.1	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	10	sqm	74.35	744.00
6.2	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with 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:				
6.2.1	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	40	sqm	1559.75	62390.00
6.3	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	110	sqm	365.85	40244.00
6.4	9.6	Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.				
6.4.1	9.60.1	150 mm	8	each	222.90	1783.00
6.5	9.83	Providing and fixing aluminium die cast body tubular type	13	each	414.45	5388.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6.6	9.95	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:				
6.6.1	9.95.3	100x75x4 mm	84	each	87.55	7354.00
6.7	9.96	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 :				
6.7.1	9.96.2	250x16 mm	8	each	189.20	1514.00
6.8	9.97	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 :				
6.8.1	9.97.3	200x10 mm	45	each	76.15	3427.00
6.8.2	9.97.4	150x10 mm	4	each	64.30	257.00
6.9	9.99	Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, 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.	2	each	184.45	369.00
6.1	9.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868)				
6.10.1	9.100.1	125 mm	32	each	51.10	1635.00
6.11	9.101	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.				
6.11.1	9.101.2	Twin rubber stopper	29	each	38.00	1102.00
6.12	9.102	Providing and fixing aluminium casement stays, 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.	44	each	49.50	2178.00
6.13	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete	2	each	622.15	1244.00
6.14	9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality				
6.14.1	9.127.1	1.5 mm thick	80	sqm	837.40	66992.00
6.15	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.				
6.15.1	9.135.2	With 12 mm mild steel U beading	10	sqm	1094.10	10941.00
		Sub-Total				207562.00
7	10	STEEL WORK				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7.1	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
7.1.1	10.27.3	10 x 120 mm	60	each	91.80	5508.00
7.1.2	10.27.4	10 x 140 mm	75	each	102.80	7710.00
		Sub-Total				13218.00
8	11	FLOORING				
8.1	11.26	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) :				
8.1.1	11.26.1	25 mm thick	165	sqm	1158.10	191087.00
8.2	11.27	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.	75	sqm	1238.20	92865.00
8.3	11.28	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush.				
8.3.1	11.28.1	Red sand stone	50	sqm	631.70	31585.00
8.4	11.31	Extra for pre finished nosing in treads of steps of Kota stone/sand stone slab.	25	metre	84.85	2121.00
8.5	11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	10	sqm	18.95	190.00
8.6	11.36	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 : 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.	185	sqm	744.80	137788.00
8.7	11.41	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.				
8.7.1	11.41.2	Size of Tile 600x600 mm	70	sqm	1119.40	78358.00
8.7.2	11.41.4	Size of Tile 1000x1000 mm	375	sqm	2057.85	771694.00

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8.8	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
8.8.1	11.46.2	Size of Tile 600x600 mm	320	sqm	1135.20	363264.00
8.8.2	11.46.4	Size of Tile 1000x1000 mm	15	sqm	2075.70	31136.00
8.9	11.53	Providing and fixing Glass mosaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in approved design. The glass mosaic tiles shall be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. All completed as per direction of Engineer-in- charge.	100	sqm	1603.75	160375.00
		Sub-Total				1860463.00
9	12	ROOFING				
9.1	12.21	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 :				
9.1.1	12.21.1	In 75x75 mm deep chase	240	metre	153.00	36720.00
9.2	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	11	each	187.60	2064.00
9.3	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	10	each	40.90	409.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
9.4	12.45	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. 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,				
9.4.1	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	230	sqm	806.20	185426.00
9.5	12.55	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.	700	sqm	1150.00	805000.00
		Sub-Total				1029619.00
10	13	FINISHING				
10.1	13.4	12 mm cement plaster of mix :				
10.1.1	13.4.2	1:6 (1 cement: 6 coarse sand)	300	sqm	168.25	50475.00
10.2	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
10.2.1	13.5.2	1:6 (1 cement: 6 coarse sand)	325	sqm	194.60	63245.00
10.3	13.6	20 mm cement plaster of mix :				
10.3.1	13.6.1	1:4 (1 cement: 4 coarse sand)	325	sqm	252.40	82030.00
10.4	13.16	6 mm cement plaster of mix :				
10.4.1	13.16.1	1:3 (1 cement : 3 fine sand)	750	sqm	143.80	107850.00
10.5	13.32	Pointing on tile brick work with cement mortar 1:3 (1 cement : 3 fine sand):				

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10.5.1	13.32.1	Flush/ Ruled/ Struck or weathered pointing	625	sqm	158.45	99031.00
10.6	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
10.6.1	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	350	sqm	93.70	32795.00
10.7	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
10.7.1	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	325	sqm	96.80	31460.00
10.8	13.6	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
10.8.1	13.60.1	Two or more coats on new work	1600	sqm	84.45	135120.00
10.9	13.79	Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kgs. cement used in cement mortar as per directions of Engineer-in-Charge.	160	Per Bag of 50 Kg of cement	58.10	9296.00
10.1	13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1700	sqm	87.35	148495.00
		Sub-Total				759797.00
11	15	DISMANTLING & DEMOLISHING				
11.1	15.6	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.	500	cum	120.55	60275.00
		Sub-Total				60275.00
12	16	ROAD WORK				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12.1	16.81	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50m x 2.00m made of 40 x 40 x 6 mm angle iron or 50 x 50 x 3 mm hollow MS tube posts/ horizontal members/ bracings covered with 1.63 mm thick MS sheet. The sheet shall be fixed with 30 x 5 mm MS flat by suitable welding/ riveting. The panels shall be made so that gap of 50 cm above the ground is available making overall height as 2.5m. MS channel ISLC 75 @ 5.70 kg/ m, 50 cm long shall be provided as the bottom having oval shaped holes of size 50 x 25 mm at both ends with 50 cm long MS angle 40 x 40 x 6 mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250 mm long expansion fasteners at both ends. The work shall be executed as per drawing/ direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work i/c shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	180	metre	1579.40	284292.00
		Sub-Total				284292.00
13	17	SANITARY INSTALLATIONS				
13.1	17.1	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:				
13.1.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1	each	3494.20	3494.00
13.2	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 :				
13.2.1	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	5	each	3418.70	17094.00
13.3	17.1	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 :				
13.3.1	17.10.1	Kitchen sink with drain board				
13.3.1.1	17.10.1.1	510x1040 mm bowl depth 250 mm	1	each	4120.80	4121.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13.4	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer- in-charge.	6	each	795.15	4771.00
13.5	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
13.5.1	17.32.4	Rectangular shape 1500x450 mm	6	each	1323.10	7939.00
13.6	17.34	Providing and fixing toilet paper holder :				
13.6.1	17.34.1	C.P. brass	5	each	385.35	1927.00
13.7	17.35	Providing and fixing soil, waste and vent pipes :				
13.7.1	17.35.1	100 mm dia				
13.7.1.1	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	125	metre	921.65	115206.00
13.7.2	17.35.2	75 mm diameter :				
13.7.2.1	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	50	metre	794.55	39728.00
13.8	17.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc :				
13.8.1	17.37.1	For 100 mm dia pipe	10	each	167.35	1674.00
13.9	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
13.9.1	17.38.1	100 mm dia				
13.9.1.1	17.38.1.2	Sand cast iron S&S as per IS - 3989	5	each	384.90	1925.00
13.9.2	17.38.2	75 mm dia				
13.9.2.1	17.38.2.2	Sand cast iron S&S as per IS- 3989	5	each	317.85	1589.00
13.1	17.39	Providing and fixing plain bend of required degree.				
13.10.1	17.39.1	100 mm dia				
13.10.1.1	17.39.1.2	Sand cast iron S&S as per IS : 3989	32	each	334.95	10718.00
13.10.2	17.39.2	75 mm dia				
13.10.2.1	17.39.2.2	Sand cast iron S&S as per IS - 3989	10	each	248.20	2482.00
13.11	17.44	Providing and fixing single equal plain junction of required degree :				
13.11.1	17.44.1	100x100x100 mm				
13.11.1.1	17.44.1.2	Sand cast iron S&S as per IS - 3989	3	each	575.40	1726.00
13.11.2	17.44.2	75x75x75 mm				
13.11.2.1	17.44.2.2	Sand cast iron S&S as per IS - 3989	3	each	405.00	1215.00
13.12	17.56	Providing and fixing terminal guard :				
13.12.1	17.56.1	100 mm				
13.12.1.1	17.56.1.2	Sand cast iron S&S as per IS - 3989	5	each	333.80	1669.00
13.12.2	17.56.2	75 mm				
13.12.2.1	17.56.2.2	Sand cast iron S&S as per IS - 3989	5	each	265.60	1328.00
13.13	17.57	Providing and fixing collar :				
13.13.1	17.57.1	100 mm				
13.13.1.1	17.57.1.2	Sand cast iron S&S as per IS - 3989	10	each	351.20	3512.00
13.13.2	17.57.2	75 mm				
13.13.2.1	17.57.2.2	Sand cast iron S&S as per IS - 3989	10	each	219.15	2192.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13.14	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe				
13.14.1	17.57A.1	100 mm dia				
13.14.1.1	17.57A.1.1	SS 304 grade coupling with EPDM rubber gasket	2	each	360.50	721.00
13.15	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :				
13.15.1	17.58.1	100 mm	25	each	309.95	7749.00
13.15.2	17.58.2	75 mm	15	each	263.60	3954.00
13.16	17.6	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
13.16.1	17.60.1	100 mm inlet and 100 mm outlet				
13.16.1.1	17.60.1.1	Sand cast iron S&S as per IS: 3989	10	each	1034.45	10345.00
13.16.2	17.60.2	100 mm inlet and 75 mm outlet				
13.16.2.1	17.60.2.1	Sand cast iron S&S as per IS - 3989	5	each	1072.80	5364.00
13.17	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :				
13.17.1	17.61.1	100 mm dia	10	metre	355.70	3557.00
13.17.2	17.61.2	75 mm dia	10	metre	254.65	2547.00
13.18	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work :				
13.18.1	17.65.1	100 mm diameter pipe	125	metre	40.65	5081.00
13.18.2	17.65.2	75 mm diameter pipe	50	metre	31.00	1550.00
13.19	17.8	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.	2	each	5162.20	10324.00
		Sub-Total				275502.00
14	18	WATER SUPPLY				
14.1	18.7	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				
14.1.1	18.7.1	15 mm nominal outer dia Pipes	10	metre	142.95	1430.00
14.1.2	18.7.2	20 mm nominal outer dia Pipes	20	metre	179.95	3599.00
14.1.3	18.7.3	25 mm nominal outer dia Pipes	39	metre	216.20	8432.00
14.1.4	18.7.4	32 mm nominal outer dia Pipes	20	metre	289.05	5781.00
14.1.5	18.7.5	40 mm nominal outer dia Pipes	4	metre	385.50	1542.00
14.1.6	18.7.6	50 mm nominal outer dia Pipes	10	metre	548.55	5486.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14.2	18.8	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.				
14.2.1	18.8.1	15 mm nominal outer dia Pipes	21	metre	246.20	5170.00
14.2.2	18.8.2	20 mm nominal outer dia Pipes	44	metre	284.85	12533.00
14.2.3	18.8.3	25 mm nominal outer dia Pipes	3	metre	333.60	1001.00
14.2.4	18.8.4	32 mm nominal outer dia Pipes	3	metre	412.90	1239.00
14.3	18.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. INTERNAL WORK - EXPOSED ON WALL				
14.3.1	18.10.4	32 mm dia nominal bore	13	metre	308.35	4009.00
14.3.2	18.10.5	40 mm dia nominal bore	3	metre	394.15	1182.00
14.3.3	18.10.6	50 mm dia nominal bore	8	metre	472.40	3779.00
14.4	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
14.4.1	18.12.3	25 mm dia nominal bore	20	metre	205.85	4117.00
14.4.2	18.12.6	50 mm dia nominal bore	20	metre	342.70	6854.00
14.4.3	18.12.8	80 mm dia nominal bore	20	metre	576.30	11526.00
14.5	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
14.5.1	18.13.1	25 to 40 mm nominal bore	5	each	394.15	1971.00
14.6	18.16	Providing and fixing brass stop cock of approved quality :				
14.6.1	18.16.2	20 mm nominal bore	1	each	280.40	280.00
14.7	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
14.7.1	18.17.1	25 mm nominal bore	2	each	428.20	856.00
14.7.2	18.17.1A	20 mm nominal bore	1	each	396.55	397.00
14.7.3	18.17.2	32 mm nominal bore.	2	each	500.75	1002.00
14.7.4	18.17.3	40 mm nominal bore	1	each	584.70	585.00
14.7.5	18.17.4	50 mm nominal bore	1	each	749.90	750.00
14.8	18.18	Providing and fixing ball valve (brass) of approved quality, High				
14.8.1	18.18.3	25 mm nominal bore	1	each	331.95	332.00
14.9	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
14.9.1	18.21.2	45 cm length				
14.9.1.1	18.21.2.1	15 mm nominal bore	10	each	67.80	678.00
14.1	18.4	Painting G.I. pipes and fittings with two coats of anti-corrosive				
14.10.1	18.40.3	25 mm diameter pipe	20	metre	9.10	182.00
14.10.2	18.40.4	32 mm diameter pipe	13	metre	10.85	141.00
14.10.3	18.40.5	40 mm diameter pipe	3	metre	12.35	37.00
14.10.4	18.40.6	50 mm diameter pipe	8	metre	14.80	118.00
14.11	18.41	Providing and filling sand of grading zone V or coarser grade, allround the G.I. pipes in external work :				
14.11.1	18.41.3	25 mm diameter pipe	20	metre	69.50	1390.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14.12	18.48	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 pipes but without fittings and the base support for tank.				
14.12.1	18.48.A	Circular tank	5000	litre	7.25	36250.00
14.13	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
14.13.1	18.49.1	15 mm nominal bore	10	each	371.70	3717.00
		Sub-Total				126366.00
15	19	DRAINAGE				
15.1	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
15.1.1	19.1.2	150 mm diameter	5	metre	327.05	1635.00
15.1.2	19.1.3	200 mm diameter	18	metre	423.35	7620.00
15.2	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all round S.W. pipes including bed concrete as per standard design :				
15.2.1	19.2.2	150 mm diameter S.W. pipe	5	metre	761.85	3809.00
15.2.2	19.2.3	200 mm diameter S.W. pipe	18	metre	888.10	15986.00
15.3	19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :				
15.3.1	19.3.4	250 mm diameter S.W. pipe	90	metre	656.60	59094.00
15.4	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
15.4.1	19.4.2	150 x 100 mm size P type				
15.4.1.1	19.4.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each	1623.25	4870.00
15.5	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
15.5.1	19.6.3	250 mm dia. R.C.C. pipe	90	metre	482.05	43385.00
15.6	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15.6.1	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
15.6.1.1	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each	8634.10	25902.00
15.6.2	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				
15.6.2.1	19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each	18422.40	55267.00
15.7	19.9	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :				
15.7.1	19.9.1	0.91 m deep with SFRC cover and frame (heavy duty, HD- 20 grade designation) 560 mm internal diameter conform- ing to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 ce- ment : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :				
15.7.1.1	19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each	8683.75	26051.00
15.8	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	20	each	327.90	6558.00
15.9	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15.9.1	19.21.1	For pipes 100 to 250 mm diameter	3	each	391.15	1173.00
15.1	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				
15.10.1	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	10	each	4043.10	40431.00
15.11	19.28	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with precast R.C.C. vertical grating complete as per standard design :				
15.11.1	19.28.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	each	4384.50	21923.00
		Sub-Total				313704.00
16	21	ALUMINIUM WORK				
16.1	21.1	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) :				
16.1.1	21.1.1	For fixed portion				
16.1.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	1025	kg	384.50	394113.00
16.1.2	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)				
16.1.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	525	kg	444.90	233573.00
16.2	21.3	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):				
16.2.1	21.3.2	With float glass panes of 5.50 mm thickness	165	sqm	1003.95	165652.00
16.3	21.4	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.				
16.3.1	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	10	each	2054.40	20544.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
16.4	21.8	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.				
16.4.1	21.8.1	Upto 5mm depth and 5 mm width	221.2	metre	62.45	13816.00
16.5	21.1	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float 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.	22	sqm	3176.20	69876.00
16.6	21.11	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.				
16.6.1	21.11.1	205 X 19 mm	88	each	211.60	18621.00
16.6.2	21.11.2	255 X 19 mm	12	each	269.65	3236.00
16.6.3	21.11.3	355 X 19 mm	12	each	237.15	2846.00
16.7	21.12	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.				
16.7.1	21.12.2	Powder coated minimum thickness 50 micron aluminium tubular handle bar	24	each	509.30	12223.00
16.8	21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	9	each	359.00	3231.00
16.9	21.14	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).	450	kg	315.10	141795.00
		Sub-Total				1079526.00
17	22	WATER PROOFING				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
17.1	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and				
17.1.1	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	775	sqm	1034.65	801854.00
17.2	22.14	Grading roof for water proofing treatment with				
17.2.1	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	10	cum	5583.80	55838.00
17.3	22.24A	Providing & Applying high quality acrylic modified resin based texture of Dholpur/Red sand stone Pattern with anti algae and UV resistance properties to be applied as intermediate finish in desired pattern @ 43.04 kgs/10 sqm to form film of 1- 1.5 mm thickness after scrapping and properly cleaning the surface to remove loose particles from the plaster surface, followed by top coating with Premium Acrylic Smooth exterior paint with Silicone additives of required shade by two or more coats @ 1.43 litres/10 sqm, complete as the direction of Engineer -in-Charge.	700	sqm	391.80	274260.00
		Sub-Total				1131952.00
18	26	NEW TECHNOLOGIES AND MATERIALS				

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
18.1	26.23	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter- locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6 mm reveal profile (white/black), comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
18.1.1	26.23.1	With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles	65	sqm	1777.75	115554.00
		Sub-Total				115554.00
19	50	MINOR CIVIL MAINTENANCE WORK				
19.1	50.64	Centering and shuttering i/c strutting, propping etc. and removal of form work for mullions upto floor five levels etc complete.	26.5	sqm	1391.00	36862.00
19.2	50.139	P/f Plastic body PVC finish fully automatic NO TOUCH hand drier suitable to operate on 220 Volts, sinle phase 50hz. A.C power supply and directly plugged to power point of 240mm x 235mm x 195mm heater wattage 1800 with fixing on wall complete.	3	Each	6413.80	19241.00
19.3	50.2	Providing and fixing CP Liquid soap Dispenser (Container) of standared mark fix on the wall with screw etc. Complete. ☑	5	each	562.20	2811.00
19.4	50.205	P/f of White vitreous china Under counter oval wash basin 560x450mm of Jaquar make (cat no. CNS-WHT-705) or equivalent with CP brass waste assembly, wall falnges and rubber adapters for waste connection complete incl. CI/MS brackets duly painted, nuts, wasjers, cutting and making good the walls floors wherer required as per direction of Engineer incharge.☑	6	Each	2636.90	15821.00
19.5	50.206	P/f Glass Body liquid soap dispenser (Make : Jaquar ACN-CHR-1135N or equivalent) with simple push lever fitted with liquied soap (One time) includidng cutting and making good the walls wherever required.☑	6	Each	1030.80	6185.00
19.6	50.207	P/f CP Brass sink cock with normal swivel spout (Jaquar make model no 5357ND or approved equivalent) complete to the satisfaction of Engineer in charge.☑	1	Each	1670.00	1670.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
19.7	50.208	P/f of CP brass pressmatic self closing pillar tap (Jaquar make model no PRS-031 or equivalent) as per directio of Engineer in charge.☑	5	Each	1631.90	8160.00
19.8	50.209	P/f SS Bottle Trap Jaquar make Model no ALD-CHR-769 or equivanent and other ancillary fittings, cutting and making good the walls wherever required complete as per direction of Engineer - Incharge.☑	6	Each	1103.40	6620.00
19.9	50.21	P/f CP Brass waste coupling for Urinal Make of Jaquar ALD-CHR-705. or equvalant SS body as suitable to wash basin drain connection and other ancillary fittings, cutting and make good the same wherer required complete as per direction of Engineer-Incharge.☑	2	Each	412.30	825.00
19.1	50.211	P/f C.P Hand spray with lever control (health faucet) of Jaquar make ALD-CHR-585 or equivalent and flexible hose 1m / 1.2m long connection with C.P holder for hand spray complete in all respects as per direction of Engineer-incharge.☑	5	Each	2410.10	12051.00
19.11	50.212	Providing and fixing SS COAT Hook of (Jaquar cat no. AKP-35791P or approved equivalent)complete including consumable items, cutting and making good the walls where required.☑	5	Each	493.60	2468.00
19.12	50.213	Providing & Fixing of 15 mm dia angle valve of (Jaquar cat no. FLR-5053N or approved equivalent) with C.P. brass wall flange with any other items complete including unplasticised PVC connection pipe with brass unions of 45cm length & 15mm nominal bore complete in all respect.☑	19	Each	1800.30	34206.00
19.13	50.214	Providing and fixing push fit type WC pan connector (Kohler Cat No.1036902 or approved equivalent) with high quality polypropylene plastic with rubber sealing washer. The internal rubber gasket in EASI-fit pan connectors and extremely water tighsupplied spring loaded seal guard. single mould sealing fins made of flexible EVA body, including bush/adaptor. complete in all respect.☑	5	Each	930.00	4650.00
19.14	50.215	Providing & Fixing hand drier of best quality, to be operated with 230 volts, single phase, with fully hygienic condition, with all accessories of (TOSHI Model no PRO4841 or approved equivalent) including cutting and making good the walls, wherever required. ☑	2	Each	4849.35	9699.00
19.15	50.216	Providing & Fixing Aerosol Perfume Dispenser (Digital programming) of (Euronics, Cat no : EA03 or approved equivalent) fixed to wooden cleats with C.P brass screws, complete including cutting and making good the walls wherever required. ☑	2	Each	1666.75	3334.00
19.16	50.217	Providing and fixing SS body paper towel dispenser capacity 450-500paper Towels) of (Euronics cat no EP01 or approved equivalent) complete with brackets fixed to wall with PVC rawl plug with CP brass screws complete in all respects, including cutting and making good the wall wherever required.☑	6	Each	2733.00	16398.00
19.17	50.218	Providing & fixing CP brass Basin Mixer (Make Jaquar model no CON167KNB) for wash basin without propup waste system complete including cutting and making good the walls where required.☑	1	Each	2308.50	2309.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
19.18	50.219	Providing & fixing CP Overhead shower with arm (Jaquar make Model no OHS1989 & SHA447) or equivalent complete including cutting and making good the walls wherever	1	Each	1637.70	1638.00
19.19	50.22	Providing and fixing CP shower Mixture (Jaquar make Model No CON-273KNUPR) or equivalent complete including cutting and making good the walls wherever required.☒	1	Each	3060.55	3061.00
19.2	50.221	Providing and fixing CP brass towel rack (Jaquar make Model no ACN1181N) or equivalent of length 25" complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.☒	1	Each	2166.20	2166.00
19.21	50.222	Providing and fixing wall mounted CP sink mixer (Jaquar make Model no CON-309KN) or equivalent with swivel spout complete including cutting and making good the walls wherever required.☒	1	Each	2288.20	2288.00
19.22	50.223	Supply Installation, testing and commissioning of water Heater complete with Heavy gauge hot and cold water flexible pipe connection, Nano polymer coated tank, 8 bar pressure, of approved make complete with all necessary materials as directed by Engineer-in-charge. 25 Liter capacity (Bajaj make Model no BAJAJ CALENTA 150761 or equilant make)☒	1	Each	7207.10	7207.00
19.23	50.224	Supply Installation, testing and commissioning of water Heater complete with Heavy gauge hot and cold water flexible pipe connection, Nano polymer coated tank, 8 bar pressure, of approved make complete with all necessary materials as directed by Engineer-in-charge. 15 Liter capacity (Bajaj make Model no BAJAJ CALENTA 150760 or equilant make)☒	1	Each	8548.60	8549.00
19.24	50.225	Providing & fixing of Grab bar of (Jaquar make Model no AHS-1507 or equivalent) non slipping grip as per standard specification of use in disabled toilet complete with brackets suitable for wall installation as per approved sample complete in all respect.☒	1	Each	1292.20	1292.00
19.25	50.226	Providing and fixing cast brass floor clean out plug 100mm with suitable insert key for opening, make threaded joint with G.I socket lead caulked to soil pipe/ waste pipe of C.I and C.I(LA) Pipe as required complete a per instruction of the Engineer-in-charge.☒	1	Each	3049.20	3049.00
19.26	50.227	Brick tile of size 230mm x 40mm x50mm in wall cladding at all heights, with selected brick tiles of class designation 100, in the exposed work, in cement mortar 1:3 (1 cement :3 coarse sand) with making horizontal and vertical grooves 10mm wide & 12mm deep complete and fixing over existing recessed brick surface with cement mortar 1:3 (1 cement : 3 coarse sand) with necessary scaffolding and machine cutting or brick tile in length etc complete all as per drawing & dirction of Engineer-in-charge.	570	sqm	1190.00	678300.00
19.27	50.228	25mm thick rough kota stone flooring as per approved pattern laid over 20mm (avarage) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) and jointed with grey cement slurr mixed with pigment to match the shade of the slab.	124.9	sqm	901.00	112544.00

Code	DRS.No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
19.28	50.229	P/f Bright finished door PVC sylencer with necessary screws, etc complete.	20	Each	110.00	2200.00
19.29	50.231	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :☐	3.92	sqm	1688.00	6617.00
		Sub-Total				1012221.00
		Total (Estimated Cost)				17882793.00
		Add Cost Index @25.49% (On SR&DR Total 168,70,572.00)				4300308.80
		Total				22183101.80