Original Estimate

Name of work :- C/o Training Hostel/Facility including furniture and electrical work at CAFRI Campus Jhansi (U.P.)
(SH :- Civil Work)

SLNo	DSR No.	Description	Qty	Unit	Rate	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 for all lift, as directed by Engineer-in-charge.					
1.1.1	2.6.1	All kinds of soil	226	cum	177.50	40115.00	SR
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, for all lift, 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.	109	cum	260.30	28373.00	SR
1.3	2.9	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 soils as directed, within a lead of 50 m.					
1.3.1	2.9.2	Hard rock (requiring blasting)	259	cum	1049.80	271898.00	SR
1.4	2.10	Excavating trenches by mechinical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, 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:					
1.4.1	2.10.1	All kinds of soil					
1.4.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	191	metre	352.15	67261.00	SR
1.5	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 and for all lif.	306	cum	196.00	59976.00	SR
1.6	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	25	cum	2123.75	53094.00	SR
		Sub-Total				520717.00	
2	4	CEMENT CONCRETE (CAST IN SITU)					
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	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	16	cum	7878.50	126056.00	SR
2.1.2	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	75	cum	6518.60	488895.00	SR
2.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:					

2.2.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	4	cum	9895.20	39581.00	SR
2.2.2	4.2.8	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).	6	cum	8519.20	51115.00	SR
2.3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for:					
2.3.1	4.3.1	Foundations, footings, bases for columns	19	sqm	392.15	7451.00	SR
2.3.2	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	68	sqm	842.50	57290.00	SR
2.4	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	49	sqm	749.30	36716.00	SR
		Sub-Total				807104.00	
3	5	REINFORCED CEMENT CONCRETE					
3.1	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
3.1.1	5.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	6	cum	8583.40	51500.00	SR
3.2	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:					
3.2.1	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	8	cum	10852.95	86824.00	SR
3.3	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree 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) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	21	cum	11505.50	241616.00	SR
3.4	5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
3.4.1	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	72	sqm	392.15	28235.00	SR
3.4.2	5.9.3	Suspended floors, roofs, landings, balconies and access platform	520	sqm	927.25	482170.00	SR
3.4.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	637	sqm	736.40	469087.00	SR
3.4.4	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	427	sqm	961.30	410475.00	SR
3.4.5	5.9.7	Stairs, (excluding landings) except spiral-staircases	31	sqm	764.95	23713.00	SR
3.4.6	5.9.19	Weather shed, Chajjas, corbels etc., including edges	56	sqm	951.10	53262.00	SR
3.5	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
3.5.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	9890	kg	107.85	1066637.00	SR
3.6	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					

3.6.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	19650	kg	107.85	2119253.00	SR
3.7	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					
3.7.1	5.33.1	All works upto plinth level					
3.7.1.1	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	85	cum	9504.75	807904.00	SR
3.7.2	5.33.2	All works above plinth level upto floor V level					
3.7.2.1	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	153	cum	9860.40	1508641.00	SR
3.8	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	79	quintal	733.50	57947.00	SR
		Sub-Total				7407264.00	
4	6	MASONRY WORK					
4.1	6.34	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :					
4.1.1	6.34.2	Cement mortar 1:6 (1 cement: 6 Coarse sand)	243	cum	8752.55	2126870.00	SR
4.2	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	51	metre	60.85	3103.00	SR
		Sub-Total				2129973.00	
5	8	CLADDING 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 of edges to give high gloss finish etc. complete at all levels.					
5.1.1	8.2.3	Granite stone slab of all colour and texture except black, Cherry/Ruby red					
5.1.1.1	8.2.3.1	Area of slab upto 0.50 sqm	11	sqm	4170.70	45878.00	SR
5.1.1.2	8.2.3.2	Area of slab over 0.50 sqm	10	sqm	3848.70	38487.00	SR
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.					
5.2.1	8.3.2	Granite work	21	metre	510.95	10730.00	SR

5.3	8.31	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.	232	sqm	1267.95	294164.00	SR
		Sub-Total				389259.00	
6	9	WOOD AND P. V. C. WORK					
6.1	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.					
6.1.1	9.20.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	19	sqm	3473.85	66003.00	SR
6.2	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).	19	sqm	462.35	8785.00	SR
6.3	9.46	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25 mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete:					
6.3.1	9.46.3	25 mm dia	57	metre	525.55	29956.00	SR
6.4	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.					
6.4.1	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	454	kg	238.35	108211.00	SR
6.5	9.83	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.	11	each	1124.85	12373.00	SR
6.6	9.88	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	11	each	998.35	10982.00	SR
6.7	9.134	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws:					
6.7.1	9.134.1	35 mm thick shutters					
6.7.1.1	9.134.1.1	with ISI marked M.S. pressed butt hinges bright finished of required size					
6.7.1.1.1	9.134.1.1.1	Second class teak wood	19	sqm	5024.15	95459.00	SR

6.8	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge.					
		Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds					
6.8.1	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.					
6.8.1.1	9.147.A4.2	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m).	35	sqm	10874.20	380597.00	SR
6.8.2	9.147.C2	Fixed window/ ventilator with mullion /transom.					
6.8.2.1	9.147.C2.1	Using R1 series with frame (33 mm & above) x (35 mm & above) & mullion (33 mm & above) x (50 mm & above). (Height upto 0.90 metre)	4	sqm	9155.20	36621.00	SR
6.9	9.165	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.					
6.9.1	9.165.1	125 mm	27	each	119.20	3218.00	SR
6.10	9.17	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.					
6.10.1	9.170.1	200 mm	27	each	186.65	5040.00	SR
		Sub-Total				757245.00	
7	10	STEEL WORK					
7.1	10.5	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 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.					
7.1.1	10.5.2	Using flats 30x6 mm for diagonal braces and central cross piece	5	sqm	5563.75	27819.00	SR

7.2	10.13	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.					
7.2.1	10.13.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	35	kg	141.70	4960.00	SR
7.3	10.16	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.					
7.3.1	10.16.1	Hot finished welded type tubes	1172	kg	194.40	227837.00	SR
7.4	10.17	Providing and fixing M.S. fan clamp type I or ll of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.	18	each	226.00	4068.00	SR
7.5	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	18	each	220.65	3972.00	SR
7.6	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	200	kg	97.20	19440.00	SR
7.7	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
7.7.1	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	901	kg	172.60	155513.00	SR
7.8	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/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.					
7.8.1	10.27.4	10 x 140 mm	172	each	182.20	31338.00	SR
7.9	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, bufing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	77	kg	772.40	59475.00	SR
		Sub-Total				534422.00	
8	11	FLOORING					
8.1	11.20	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).					
8.1.1	11.20.1	Light shade pigment using white cement	46	sqm	1402.00	64492.00	SR

8.2	11.40	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (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 Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	33	sqm	1439.40	47500.00	SR
8.3	11.41A	Providing and laying Vitrified tiles in floor in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					
8.3.1	11.41A.1	Double charge vitrified tile polished finish of size					
8.3.1.1	11.41A.1.1	Size of Tile 600 x 600 mm	271	sqm	1453.65	393939.00	SR
8.4	11.46	Providing and laying Vitrified tiles in diferent 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 @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.					
8.4.1	11.46.2	Size of Tile 600x600 mm	41	sqm	1623.05	66545.00	SR
8.5	11.55	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 :					
8.5.1	11.55.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	41	sqm	3186.70	130655.00	SR
8.6	11.56	Providing and laying Polished 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.					
8.6.1	11.56.1	Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	158	sqm	4481.30	708045.00	SR
		Sub-Total				1411176.00	
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	94	metre	305.15	28684.00	SR

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.	12	each	298.25	3579.00	SR
9.3	12.41	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.					
9.3.1	12.41.2	110 mm diameter	88	metre	377.40	33211.00	SR
9.4	12.42	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.					
9.4.1	12.42.5	Bend 87.5°					
9.4.1.1	12.42.5.2	110 mm bend	14	each	150.35	2105.00	SR
9.4.2	12.42.6	Shoe (Plain)					
9.4.2.1	12.42.6.2	110 mm Shoe	14	each	131.85	1846.00	SR
9.5	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
9.5.1	12.43.2	110 mm	42	each	371.30	15595.00	SR
9.6	12.46	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.	14	each	84.55	1184.00	SR
9.7	12.67	Designing, providing and fxing multiwall three or more layered polycarbonate sheet panel co-extruded Ultra Violet (UV) protective coating on external surface with standing seam on both the running ends, sheet shall be connected using polycarbonate connectors having grip lock double tooth locking mechanism and provided with endcap at the ends to ensure water and air tightness. The light transmission from transparent or translucent or opaque or in combination polycarbonate sheet, varies from 15 to 85%, shall be decided by engineer in charge as per requirement. The polycarbonate sheet shall have Dart drop impact value more than 60 Joules as per IS14434:2023 and confirm either flame retardancy of class Ul.-9411B/94V-0 category as per 1S14434:2023 or category VO & 1113 as per ASTM D635-I8 or 13S I DO classification as per EN1350 I for fire safety The yellowness index tested as per ASTM E313 (D1925) or AS'I'M [313 (1)1925) shall be equal to or more than 10 unit or 6 units respectively on a sample afer 5000 Hours of exposure of UV / sun light. The cross section ends of poly carbonate sheet shall be provided with self-adhesive aluminium impermeable tape at top and aluminium ventilated tape at bottom of the sheet and covered with polycarbonate / aluminium u-shaped protective profile.					

		The poly carbonate sheet shall be held in position by using stainless steel (SS304 grade) trapezoidal cleat of 1 mm thick having minimum bottom width 35mm and top width 50mm or any other shape and size as per design requirement and manufacturer specification, cleat fixed with 2 or more stainless steel screws of 5 mm diameter with 25mm long with structural steel framework. The cleat shall be tested to withstand pull out force equal to wind speed of 50m/s as per IS: 875 and design test report shall be submitted to Engineer-in-charge for approval before use. The cost of ridge and gutters of pre-coated galvanized iron sheet of approved specifications and structural steel framework of shall be paid in respective item for separately.					
9.7.1	12.67.1	12 mm thick, 1000 (t10%) wide panel with U value not more than 2.50 W/m2K and weight not less than 2.25 kg/sm.	104	Sqm	3108.15	323248.00	SR
		Sub-Total				409452.00	
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)	1150	sqm	343.65	395198.00	SR
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)	647	sqm	395.35	255791.00	SR
10.3	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix:					
10.3.1	13.7.2	1:4(1 cement: 4 fine sand)	56	sqm	425.55	23831.00	SR
10.4	13.16	6 mm cement plaster of mix:					
10.4.1	13.16.1	1:3(1 cement :3 fine sand)	1091	sqm	300.45	327791.00	SR
10.5	13.18	Neat cement punning.	44	sqm	79.95	3518.00	SR
10.6	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade:					
10.6.1	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	920	sqm	160.60	147752.00	SR
10.7	13.50	Applying priming coat:					
10.7.1	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	100	sqm	67.40	6740.00	SR
10.8	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
10.8.1	13.61.1	Two or more coats on new work	142	sqm	155.90	22138.00	SR
10.9	13.80	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.	1915	sqm	156.05	298836.00	SR
10.10	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.					
10.10.1	13.83.2	Two coats	1915	sqm	142.80	273462.00	SR
		Sub-Total				1755057.00	
11	16	ROAD WORK					
11.1	16.68	Providing and laying 60 mm thick faciory 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 50 mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	93	sqm	972.00	90396.00	SR
		Sub-Total				90396.00	
12	17	SANITARY INSTALLATIONS					

12.1	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
12.1.1	17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	9	each	2226.35	20037.00	SR
12.2	17.22A	Providing and fixing CP Brass 32 mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	9	each	1034.80	9313.00	SR
12.3	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	9	each	53.25	479.00	SR
12.4	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	9	each	1607.95	14472.00	SR
12.5	17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	9	each	1083.50	9752.00	SR
12.6	17.34	Providing and fixing toilet paper holder :					
12.6.1	17.34.1	C.P. brass	9	each	803.70	7233.00	SR
12.7	17.35	Providing and fixing soil, waste and vent pipes :					
12.7.1	17.35.1	100 mm dia					
12.7.1.1	17.35.1.3	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	125	metre	1169.30	146163.00	SR
12.8	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. :					
12.8.1	17.37.1	For 100 mm dia pipe	126	each	362.85	45719.00	SR
12.9	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
12.9.1	17.38.1	100 mm dia					
12.9.1.1	17.38.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	18	each	567.20	10210.00	SR
12.10	17.39	Providing and fixing plain bend of required degree.					
12.10.1	17.39.1	100 mm dia					
12.10.1.	17.39.1.3	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	18	each	368.00	6624.00	SR
12.11	17.44	Providing and fixing single equal plain junction of required degree :					
12.11.1	17.44.1	100x100x100 mm					
12.11.1.	17.44.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	18	each	581.45	10466.00	SR
12.12	17.56	Providing and fixing terminal guard :					
12.12.1	17.56.1	100 mm					
12.12.1.	17.56.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	9	each	427.80	3850.00	SR
12.13	17.57	Providing and fixing collar :					
12.14	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe					
12.14.1	17.57A.1	100 mm dia					
12.14.1.	17.57A.1.1	SS 304 grade coupling with EPDM rubber gasket	87	each	432.05	37588.00	SR
12.15	17.60	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 :					
12.15.1	17.60.1	100 mm inlet and 100 mm outlet					
12.15.1.	17.60.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	18	each	854.55	15382.00	SR

12.16	17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	9	each	14999.15	134992.00	SR
		Sub-Total				472280.00	
13	18	WATER SUPPLY					
13.1	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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					
13.1.1	18.7.4	32 mm nominal dia Pipes	75	metre	518.75	38906.00	SR
13.1.2	18.7.6	50 mm nominal dia Pipes	100	metre	934.15	93415.00	SR
13.2	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 and 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.					
13.2.1	18.8.2	20 mm nominal dia Pipes	177	metre	537.60	95155.00	SR
13.3	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
13.3.1	18.17.2	32 mm nominal bore.	9	each	689.60	6206.00	SR
13.4	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
13.4.1	18.18.3	25 mm nominal bore	9	each	464.05	4176.00	SR
13.5	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :					
13.5.1	18.21.2	45 cm length					
13.5.1.1	18.21.2.1	15 mm nominal bore	18	each	97.75	1760.00	SR
13.6	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.	6750	per litre	11.00	74250.00	SR
13.7	18.58	Providing and fixing PTMT grating of approved quality and colour.					
13.7.1	18.58.1	Circular type					
13.7.1.1	18.58.1.2	125 mm nominal dia with 25 mm waste hole	18	each	51.85	933.00	SR
		Sub-Total				314801.00	
14	19	DRAINAGE					
14.1	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 x 300 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:					
14.1.1	19.4.1	100x100 mm size P type					
14.1.1.1	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	9	each	2707.65	24369.00	SR
14.2	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 :					
14.2.1	19.6.2	150 mm dia. R.C.C. pipe	15	metre	556.45	8347.00	SR
14.2.2	19.6.3	250 mm dia. R.C.C. pipe	50	metre	899.80	44990.00	SR

14.3	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 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 :					
14.3.1	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) :					
14.3.1.1	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	8	each	12770.55	102164.00	SR
		Sub-Total				179870.00	
15	21	ALUMINIUM WORK					
15.1	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 / panelling, 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) :					
15.1.1	21.1.1	For fixed portion					
15.1.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	87	kg	530.90	46188.00	SR
15.1.2	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)					
15.1.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	66	kg	634.45	41874.00	SR
15.2	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):					
15.2.1	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	62	sqm	1505.25	93326.00	SR
15.3	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.					
15.3.1	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	2	each	2823.85	5648.00	SR

15.4	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.					
15.4.1	21.8.1	Upto 5 mm depth and 5 mm width	19	metre	96.75	1838.00	SR
		Sub-Total				188874.00	
16	22	WATER PROOFING					
16.1	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	60	sqm	769.60	46176.00	SR
16.2	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.					
		IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of (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 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 specified by the Engineer-in-Charge”:					
16.2.1	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	300	sqm	1684.60	505380.00	SR
		Sub-Total				551556.00	
17	26	NEW TECHNOLOGIES AND MATERIALS					

17.1	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5 mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.					
17.1.1	26.86.3	Frame size 50 x 100 mm	110	metre	947.70	104247.00	SR
17.1.2	26.86.6	Frame size 65 x 125 mm	47	metre	1381.60	64935.00	SR
17.2	26.88	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)					
17.2.1	26.88.1	30 mm thick	71	sqm	4764.20	338258.00	SR
		Sub-Total				507440.00	
		NON SCHEDULED ITEMS(MARKET RATE ITEM)					
18.1	M-1	Supplying and filling with moorum, (excluding rock) at site to raise the ground level under floor and outer ground filling work etc. in flat/sloped form of filling and in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, including watering, ramming, consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lifts.	99	cum	667.30	66063.00	MR
18.2	M-2	Brick work with Fly Ash bricks of class designation 10 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	30	cum	6941.75	208253.00	MR
18.3	M-3	Providing and fixing roller blinds in series of ,contract series screen/blackout/translucent or equivalent all as per technical specification of Deck,Marvel or equivalent and all complete as direction of Engineer-in-charge. (The area shall be measured in closed position of roller blinds & No extra payment for aluminium channel & bracket.)	35	sqm	2650.90	92782.00	MR

18.4	M-4	Providing and fixing SS-304 grade sliding door bolts (having square/Round nuckles) Doorset, Suzu, Dorma, Ess Emm Prayag or equivvalent with all fitting/fixing accessories etc. complete.	19	each	899.15	17084.00	MR
18.5	M-5	Providing and fixing Stainless steel tower bolts Square 200 x 10 mm, Make- Kitc Doorset,Suzu, Dorma, Ess Emm Prayag or equivvalent with all fitting/fixing accessories etc. complete :	18	each	685.75	12344.00	MR
18.6	M-6	Providing and fixing SS-304 grade 200 x 16 mm long Latch Make Kitc- PRT1208C, Godrej, Doorset, Suzu, Dorma, Ess Emm Prayag or equivvalent with all fitting/fixing accessories etc. complete :	27	each	467.40	12620.00	MR
18.7	M-7	Providing and fixing SS-304 double door buffer floor door stopper , Make Kitc- PRDB32DS Godrej, prayag, Dorma, Doorset, Ess emm, suzu with all fitting/fixing accessories etc. complete :	18	each	284.95	5129.00	MR
18.8	M-8	Providing and fixing fly proof wire gauze of Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides, to uPVC windows(all types) & doors etc. Complete incl all necessary arrangements. (Note:- fixing charges included in upvc window doors items)	22	sqm	738.55	16248.00	MR
18.9	M-9	Providing and laying design mix cement concrete of M-25 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer- in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-25 is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.	38	cum	11026.00	418988.00	MR
18.10	M-10	Providing and fixing stainless steel single towel rail 600mm long make of Jaquar Cat. No. ACN-SSF-1111SM or Kohle cat no. K-17521T-CP or Grohe cat no. 40 509 001 etc complete as per direction Engineer-in-Charge	9	each	2831.25	25481.00	MR
18.11	M-11	Providing and fixing 3 in 1 single lever Wall Mixer with Provision for Overhead Shower with 115mm Long Bend Pipe On Upper Side, Connecting Legs & Wall Flanges. Complete with flanges and fitting accessories of approved quality & make; of Jaquar FUP-CHR-29273PM, Kohler, Grohe, Johnson Pedder, Roca, or equivalent or as per NIT material list, to be approved by Engineer in charge. Conceptual ,Make - Jaquar FUP-CHR-29273PM	9	each	7632.60	68693.00	MR
18.12	M-12	Providing and fixing C.P. brass Over head Shower Dia 105mm of Jaquar cat no. OHS-CHR-1603 or Kohler cat no. K-16356IN-CP or Grohe cat no. 26 267 000 etc Complete as per direction of Engineer-in-charge	9	each	3529.45	31765.00	MR
18.13	M-13	Providing and fixing 15mm C.P. brass Shower Arm Casted 450mm long shape for over head shower with flange make of Jaquar cat no. SHA-CHR-479L450 or Kohler cat No. K-16346IN-CP or Ghrohe cat no. 28 576 000 Complete as per direction of Engineer-in-charge	9	each	1044.65	9402.00	MR
18.14	M-14	Providing and fixing 15mm C.P. brass angular stop cock with wall flage make of Jaquar cat no OPP-CHR-15053PM or Grohe cat no. 26 021 000 or Kohler cat no. K - 37317IN-4A-CP With wall flange etc complete for mixer and geyser points as directed by Engineer-in-charge	36	each	1932.60	69574.00	MR

18.15	M-15	Providing and fixing C.P. brass 2-way Bib cock make of Jaquar Cat. No. OPP-CHR-15041PM or Grohe cat no. 20 248 000 or Kohler cat no. K - 37320IN-4-CP With wall Flange complete as directed by Engineer-in-Charge	9	each	2563.90	23075.00	MR
18.16	M-16	Providing and fixing C.P. brass Hand shower (Health Faucet with 1.00 metre long flexible tube) with wall hook Make Jaquar Cat No. ALD-CHR-577 or Kohler cat no. K - 12927IN-CP or Grohe cat no. 27 513 000 etc including cutting and making good the walls wherever required complete as directed by Engineer-in-Charge	9	each	1781.25	16031.00	MR
18.17	M-17	Providing and fixing 15mm C.P. brass bib cock of Jaquar cat no. OPP-CHR-15037PM or Ghrohe cat no. 20 238 000 or Kohler cat no. K - 37319IN-4-CP With wall flange Complete as per direction of Engineer-in-charge	9	each	2393.60	21542.00	MR
18.18	M-18	Supplying and placing in position a Mid-Century Modern King Size Bed having overall dimensions of 1900 mm (W) × 2130 mm (D) × 1085 mm (H) Make - Godrej, Wipro,Durian, MMPL and Steelcase.with a seating height of 345 mm. The bed shall be manufactured from Solid Steam Beech Wood, ensuring superior strength, stability, and long service life. The headboard shall be upholstered in premium velvet fabric, while the frame and legs shall be constructed from solid wood. Finished in an elegant combination of Walnut Brown and Cloud Beige with a smooth matte finish, the bed shall complement modern and mid-century interiors. The bed shall be designed to accommodate a King Size mattress and shall be supplied in knock-down construction, complete with all necessary hardware and fittings for installation. Fsc. The OEM Should Be A Member Of Bifma and BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	77416.90	696752.00	MR
18.19	M-19	Supplying and placing in position of , a King Size Mattress having overall dimensions of 1830 mm (W) × 1980 mm (D) × 200 mm (H). Make - Godrej, Wipro,Durian, MMPL and Steelcase The mattress shall be upholstered in premium polyester fabric in White colour with a smooth matte finish, providing a soft, breathable, and durable sleeping surface. The mattress shall be designed to deliver balanced comfort and ergonomic body support, ensuring enhanced sleeping comfort and pressure distribution. Suitable for King Size beds,The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	38069.20	342623.00	MR
18.20	M-20	Supplying and Placing in Position of Rick 2 Door Interior Wardrobe size : (W) 760mm X (D) 450mm X (H) 1800mm. Make - Godrej, Wipro,Durian, MMPL and SteelcaseSpace With Style Is The New Mantra. Rick Is A Contemporary Design 2 Door Wardrobe For The Compact Urban Home. The Two Doors Open To Reveal A Single Hangar Unit Combined With Shelves For Sectioned Spaces To Stove Your Clothes And Apparel. This Compact Wardrobe Is Perfect To Be Put Into A Corner Aside The Vanity In Your Bedroom. Get Rick To Add Space To Your Bedrooms. 2 Door Compact Storage. Sleek Wooden Handle. Shelving Storage. Rich Finish. The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	39525.90	355733.00	MR

18.21	M-21	Supplying and placing in position a Contemporary 2-Seater Sofa having overall dimensions of 1400 mm (W) × 930 mm (D) × 890 mm (H) Make - Godrej, Wipro,Durian, MMPL and Steelcasewith a seating height of 440 mm. The sofa shall be constructed with a sturdy solid wood frame, ensuring excellent strength, stability, and long service life. The seat, backrest, and armrests shall be upholstered in premium linen fabric with polyester composition in an elegant Pecan Beige shade over high-density foam cushioning for superior comfort and durability. The sofa shall be supported on durable PVC legs and finished with a smooth matte finish. It shall be supplied with 2 matching throw cushions for enhanced comfort and aesthetics.The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	11	Nos.	61878.70	680666.00	MR
18.22	M-22	Centre Table: 1050L x 600D x 400H Make - Godrej, Wipro,Durian, MMPL and Steelcase Rectangular shape Centre Table made of 10mm Thk. clear toughened glass Top supported on 30mm Thk. Steam Beech wooden Loop legs and 30 Dia x 50mm H - SS Stude for glass top & D-brackets for frosted glass shelf fixing. Complete table will be supplied in Knock-Down assembly.TOP: 10mm Clear Toughened Glass and SHELF: 8mm Frosted GlassLEGS: 30mm Thk. Steam beech wooden Loop legs in Walnut finish .The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	28077.20	252695.00	MR
18.23	M-23	ZEE/A/ST (Side Table): 600L x 600D x 450H Square shape Side Table made of 10mm Thk. Make - Godrej, Wipro,Durian, MMPL and Steelcase clear toughened glass Top supported on 30mm Thk. Steam Beech wooden Loop legs (Plus shaped assembly) and 30 Dia x 50mm H - SS Stude for glass top fixing. Complete table will be supplied in Knock-Down assembly. TOP: 10mm Clear Toughened Glass and LEGS: 30mm Thk. Steam beech wooden Loop legs (Plus shaped assembly) in Walnut finish.The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	18	Nos.	21262.60	382727.00	MR
18.24	M-24	Supplying and Placing in Potision Office Desk Size Should Be 1200mm(L)X 600mm(D)X 750mm(H) Make - Godrej, Wipro,Durian, MMPL and Steelcase In Brown-Wenge Colour, Table Top Made 25 mm Thick Made In Prelaminated Particle Board.With The Exposed Edges Shall Be Finished With 2mm Thick Edge Binding Tape Of Matching Colour And Shade With The Hot Melt Glue.Construction Below Table Top Right Side On 1 Drawer With Lock Right & Left Side Table Top Based On A 18mm Thick Side Panel.The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	13902.20	125120.00	MR

18.25	M-25	Supplying and Placing in Position : medium back mesh chair in black colour with matte finish specification : Make - Godrej, Wipro,Durian, MMPL and Steelcase - - office seating - - zurich chair , Type : Medium back 360° degre revolving chair sku : define/mb/eco , All over size is : 610mm(l)x 470mm(d)x 1040mm(h) , The chair made of full mesh in black colour . It will comes in matte finsih about style type is gf nylon structure with nylon net on back . Details : Arms : fixed pp armsrest . Use of ply: 12 mm thick hot pressed bwr plywood (is grade - 303 for seat). Seat: 40 ± 2 mm thick polyurethane foam with density 32 (±3) kg per cu meter for best quality cushioning in seat , Back : frame of design shall be curved made of two pieces injection moulded frame cover with mesh .backrest support adjustable lumbar support, Mechanism : single locking mechanism . Gas lift 100 mm telescopic haudraulic , Base : 650mm nylon base with smooth castors The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	11994.50	107951.00	MR
18.26	M-26	Supplying and placing in position of GARNER/G1, a Steel Storage Cupboard having overall dimensions of 916 mm (W) × 486 mm (D) × 1980 mm (H) (height excluding 15 mm M8 adjustable leveler). Make - Godrej, Wipro,Durian, MMPL and SteelcaseThe cupboard shall be of welded construction and manufactured from high-quality CRCA steel sheet conforming to IS 513 Grade CR2. The top, sides, bottom, and doors shall be made from 0.9 mm thick CRCA sheet, while the back panel and adjustable shelves shall be made from 0.8 mm thick CRCA sheet. The legs shall be fabricated from 1.0 mm thick CRCA sheet, and all other components shall be made from 0.8 mm thick CRCA sheet. The cupboard shall be provided with 4 adjustable shelves, each having a uniformly distributed load (UDL) capacity of 40 kg. It shall be fitted with an aluminium alloy die-cast handle with buff finish and a 3-way locking mechanism with shooting bolts for enhanced security. The complete unit shall be epoxy polyester powder coated to a DFT of 60–80 microns (±5 microns) for superior corrosion resistance and durability, complete with all necessary hardware and adjustable levelers.The OEM Should Have Fsc. The OEM Should Be A Member Of Bifma And BIS the OEM Should have Bifma Compliant And Bifma Level 2/3 certificate, With An Official Link/Screenshot Of any Product Listing Must Be Provided From Www.Bifma.Org"	9	Nos.	55064.10	495577.00	MR
18.27	M-27	Providing and fixing of Galvanised iron chiken mesh of 15 mm Hexagonal apparature and 22 gauze Dia of wire at the junction of two dissimilar surfaces like RCC and Masonary fixing with necessary G.I. /SS nails etc. at all levels and height all complete as per direction of Engineer -In -Charge	500	sqm	205.86	102930.00	MR
		Sub-Total (MR)				4657848.00	
		Total				23084734.00	
		Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 * 18103638 = 17614840(Except Item no 9.7.1 & NS items)				22595936.00	
		(0%)=0% (As per circular No. 68/SE/(TAS)/Cost Index/20/456-H, dt 24-11-20				0.00	
		Total				22595936.00	

Assistant Engineer
Jhansi Sub-Division
CPWD,Jhansi

Executive Engineer
Gwalior Project
CPWD,Jhansi