

Schedule of Quantity

Name of work C/o Boundary wall with main gate at Campus of NFSU at Atal Nagar Nava Raipur (C.G.).

SLNo	Description	Qty	Unit	Rate	Rate i/c CI & GST	Amount	DSR No.
1	EARTH WORK						2
1.1	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.						2.6
1.1.1	All kinds of soil	360	cum	177.50	179.60	64656.00	2.6.1
1.2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						2.8
1.2.1	All kinds of soil.	8200	cum	260.30	263.40	2159880.00	2.8.1
1.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	6950	cum	196.00	198.35	1378533.00	2.25
				Sub Total		3603069.00	
2	CEMENT CONCRETE (CAST IN SITU)						4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						4.1
2.1.1	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)	550	cum	6518.60	6596.30	3627965.00	4.1.10
2.2	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:						4.2
2.2.1	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)	133	cum	9895.20	10013.15	1331749.00	4.2.3
2.3	Centering and shuttering including strutting, propping etc. and removal of form work for:						4.3
2.3.1	Foundations, footings, bases for columns	660	sqm	392.15	396.80	261888.00	4.3.1
2.4	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.	140	sqm	749.30	758.25	106155.00	4.17
				Sub Total		5327757.00	
3	REINFORCED CEMENT CONCRETE						5
3.1	Centering and shuttering including strutting, propping etc. and removal of form for						5.9
3.1.1	Foundations, footings, bases of columns, etc. for mass concrete	3300	sqm	392.15	396.80	1309440.00	5.9.1

3.1.2	Suspended floors, roofs, landings, balconies and access platform	150	sqm	927.25	938.30	140745.00	5.9.3
3.1.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers	3600	sqm	736.40	745.20	2682720.00	5.9.5
3.1.4	Columns, Pillars, Piers, Abutments, Posts and Struts	5500	sqm	961.30	972.75	5350125.00	5.9.6
3.1.5	Arches, domes, vaults up to 6 m span	22	sqm	2154.35	2180.05	47961.00	5.9.9
3.1.6	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	200	sqm	1296.70	1312.15	262430.00	5.9.13
3.1.7	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	150	sqm	392.15	396.80	59520.00	5.9.15
3.1.8	Edges of slabs and breaks in floors and walls						5.9.16
3.1.8.1	Under 20 cm wide	120	metre	208.55	211.05	25326.00	5.9.16.1
3.2	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).						5.11
3.2.1	Suspended floors, roofs, landings, beams and balconies (Plan area to be measured)	400	sqm	384.30	388.90	155560.00	5.11.1
3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						5.22
3.3.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.(Low alloy steel bar of bar set-II)	170000	kg	107.85	109.15	18555500.00	5.22.6
3.4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.						5.22A
3.4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.(Low alloy steel bar of bar set-II)	31500	kg	107.85	109.15	3438225.00	5.22A.6
3.5	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	19000	metre	78.40	79.35	1507650.00	5.3
3.6	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.						5.33
3.6.1	All works upto plinth level						5.33.1
3.6.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	1350	cum	9504.75	9618.05	12984368.00	5.33.1.1
3.6.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	85	cum	9655.70	9770.80	830518.00	5.33.1.2
3.6.2.1	All works above plinth level upto floor V level						5.33.2
3.6.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	180	cum	9860.40	9977.95	1796031.00	5.33.2.1
3.6.2.1.1	Concrete of M30 grade with minimum cement content of 350 kg /cum	115	cum	10011.35	10130.70	1165031.00	5.33.2.2
				Sub Total		50311150.00	

4	MASONRY WORK						6
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						6.45
4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	10	cum	7132.25	7217.25	72173.00	6.45.1
				Sub Total		72173.00	
5	CLADDING WORK						8
5.1	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.						8.2
5.1.1	Granite stone slab of colour black, Cherry/Ruby red						8.2.2
5.1.1.1	Area of slab over 0.50 sqm	31	sqm	5136.30	5197.50	161123.00	8.2.2.2
				Sub Total		161123.00	
6	WOOD AND P. V. C. WORK						9
6.1	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.						9.2
6.1.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	8	sqm	3473.85	3515.25	28122.00	9.20.1
6.2	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.						9.48
6.2.1	Fixed to openings /wooden frames with rawl plugs screws etc.	232	kg	238.35	241.20	55958.00	9.48.2
6.3	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (Copper oxidised as per IS 1378)						9.62
6.3.1	300x16 mm	4	each	216.55	219.15	877.00	9.62.1
6.3.2	250x16 mm	4	each	193.70	196.00	784.00	9.62.2
6.4	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete (Copper oxidised as per IS 1378)						9.63
6.4.1	250x10 mm	12	each	83.90	84.90	1019.00	9.63.1
6.5	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete (Copper oxidised as per IS 1378)						9.66
6.5.1	125 mm	8	each	39.95	40.45	324.00	9.66.1
6.6	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.						9.101
6.6.1	Twin rubber stopper	3	each	72.35	73.20	220.00	9.101.2
				Sub Total		87304.00	

7	STEEL WORK						10
7.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike- plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer- in-charge:						10.14
7.1.1	Profile E						10.14.3
7.1.1.1	Fixing with adjustable lugs with split end tail to each jamb	9	metre	640.20	647.85	5831.00	10.14.3.1
7.2	Providing and fixing M.S. fan clamp type I or II 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.	3	each	226.00	228.70	686.00	10.17
7.3	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.						10.25
7.3.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	9800	kg	172.60	174.65	1711570.00	10.25.2
7.4	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.).	100	kg	772.40	781.60	78160.00	10.28
				Sub Total		1796247.00	
8	FLOORING						11
8.1	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (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.	14	sqm	1112.70	1125.95	15763.00	11.37A
8.2	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.	9	sqm	1439.40	1456.55	13109.00	11.4
				Sub Total		28872.00	

9	ROOFING						12
9.1	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) and finished neat complete.	15	sqm	709.75	718.20	10773.00	12.2
				Sub Total		10773.00	
10	FINISHING						13
10.1	12 mm cement plaster of mix:						13.1
10.1.1	1:6(1 cement: 6 coarse sand)	7700	sqm	343.65	347.75	2677675.00	13.1.2
10.2	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand).	7600	sqm	518.55	524.75	3988100.00	13.11
10.3	6 mm cement plaster of mix:						13.16
10.3.1	1:3(1 cement :3 fine sand)	2200	sqm	300.45	304.05	668910.00	13.16.1
10.4	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour:						13.41
10.4.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	200	sqm	185.65	187.85	37570.00	13.41.1
10.5	Finishing walls with Acrylic Smooth exterior paint of required shade:						13.46
10.5.1	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)	16800	sqm	160.60	162.50	2730000.00	13.46.1
10.6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						13.61
10.6.1	Two or more coats on new work	550	sqm	155.90	157.75	86763.00	13.61.1
10.7	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.	150	sqm	156.05	157.90	23685.00	13.80
				Sub Total		10212703.00	
11	ROAD WORK						16
11.1	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	2500	mtr	375.80	380.30	950750.00	16.53

11.2	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.						16.91
11.2.1	80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern.	900	sqm	1091.50	1104.50	994050.00	16.91.2
				Sub Total		1944800.00	
12	SANITARY INSTALLATIONS						17
12.1	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 :						17.2
12.1.1	W.C. pan with ISI marked white solid plastic seat and lid	1	each	6515.55	6593.20	6593.00	17.2.1
12.2	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:						17.7
12.2.1	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	1	each	2226.35	2252.90	2253.00	17.7.2
12.3	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.	1	each	1607.95	1627.10	1627.00	17.31
12.4	Providing and fixing soil, waste and vent pipes :						17.35
12.4.1	100 mm dia						17.35.1
12.4.1.1	Sand cast iron S&S pipe as per IS: 1729	10	metre	1151.90	1165.65	11657.00	17.35.1.1
12.4.1.2	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	2	metre	1169.30	1183.25	2367.00	17.35.1.3
12.4.2	75 mm diameter :						17.35.2
12.4.2.1	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	2	metre	964.25	975.75	1952.00	17.35.2.3
12.5	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.						17.38
12.5.1	100 mm dia						17.38.1
12.5.1.1	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	2	each	567.20	573.95	1148.00	17.38.1.3
12.6	Providing and fixing plain bend of required degree.						17.39
12.6.1	100 mm dia						17.39.1
12.6.1.1	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	2	each	368.00	372.40	745.00	17.39.1.3
12.7	Providing and fixing terminal guard :						17.56
12.7.1	100 mm						17.56.1
12.7.1.1	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	1	each	427.80	432.90	433.00	17.56.1.3
12.8	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe						17.57A
12.8.1	100 mm dia						17.57A.1
12.8.1.1	SS 304 grade coupling with EPDM rubber gasket	10	each	432.05	437.20	4372.00	17.57A.1.1
				Sub Total		33147.00	

13	WATER SUPPLY						18
13.1	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						18.7
13.1.1	25 mm nominal dia Pipes	27	metre	401.55	406.35	10971.00	18.7.3
13.2	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.						18.8
13.2.1	20 mm nominal dia Pipes	4	metre	537.60	544.00	2176.00	18.8.2
13.3	Providing and fixing uplasticised PVC connection pipe with brass unions :						18.21
13.3.1	45 cm length						18.21.2
13.3.1.1	15 mm nominal bore	3	each	97.75	98.90	297.00	18.21.2.1
13.4	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :						18.49
13.4.1	15 mm nominal bore	1	each	506.80	512.85	513.00	18.49.1
13.5	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931						18.53
13.5.1	15 mm nominal bore	2	each	574.30	581.15	1162.00	18.53.1
				Sub Total		15119.00	
14	DRAINAGE						19
14.1	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 :						19.1
14.1.1	150 mm diameter	15	metre	695.80	704.10	10562.00	19.1.2
14.2	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 :						19.2
14.2.1	150 mm diameter S.W. pipe	15	metre	1179.85	1193.90	17909.00	19.2.2
14.3	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:						19.4
14.3.1	100x100 mm size P type						19.4.1
14.3.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each	2707.65	2739.95	2740.00	19.4.1.1

14.4	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 :						19.7
14.4.1	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) :						19.7.1
14.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each	12770.55	12922.75	12923.00	19.7.1.1
				Sub Total		44134.00	
15	ALUMINIUM WORK						21
15.1	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) :						21.1
15.1.1	For fixed portion						21.1.1
15.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	205	kg	530.90	537.25	110136.00	21.1.1.2
15.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)						21.1.2
15.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	240	kg	634.45	642.00	154080.00	21.1.2.2
15.2	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):						21.3
15.2.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	30	sqm	1505.25	1523.20	45696.00	21.3.2
				Sub Total		309912.00	
16	WATER PROOFING						22
16.1	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:						22.7

	(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 specified by the Engineer-in-Charge":						
16.1.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	32	sqm	1684.60	1704.70	54550.00	22.7.1
16.2	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 kg/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 litre/10 sqm, complete as the direction of Engineer -in-Charge.	700	sqm	700.00	708.35	495845.00	22.24A
				Sub Total		550395.00	
17	Non Schedule						
17.1	Brick work with Fly ash F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
17.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	695	cum	6183.45	6183.45	4297498.00	NS
17.2	Brick work with Fly ash 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 :						
17.2.1	Cement mortar 1:6 (1 cement : 6 Coarse sand)	1035	cum	7868.78	7868.78	8144187.00	NS
17.3	Half brick masonry with Fly ash F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.						
17.3.1	Cement mortar 1:4 (1 cement :4 coarse sand)	25	Sqm	990.45	990.45	24761.00	NS

17.4	Providing and fixing stainless steel English & Hindi (Capital) letter in standard pattern hollow type made with 1.20mm thick stainless steel (ASI Grade – 304) Jindal or equivalent . Depth of letter shall not be less than 30mm and rate includes welding /soldering of joints polishing , buffing and fixing with necessary nut and bolts/fastener wherever is required complete as per direction of Engineerincharge. (Escape Folding will be paid separately).	4000	per letter per cm height	81.19	81.19	324760.00	NS
17.5	Providing and fixing 2mm thick MS sheet Jali, CNC (Computer numeric control) routed of approved design by Engineer in charge fixing in welded and SS screw's etc. all complete as per direction of Engineer in charge. (Note MS (Mild steel) frame work with priming coat and necessary SS fasteners and SS screws shall be paid separately).	220	sqm	4458.50	4458.50	980870.00	NS
				Sub Total		13772076.00	
				Total		88280754.00	