

DETAILED ESTIMATES REDEVELOPMENT OF INDIAN BANK OWNED PROPERTIES AT C-12 & C-15, INDERPURI, NEW DELHI

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
	NOTE:				
	i Where ever basic prices are given they shall ex -godown/shop in Delhi/NCR inclusive of cartege, loading, unloading , all taxes and GST etc				
	(A) CIVIL WORKS				
	SECTION-A EARTH WORK				
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 .				
	i All kind of soil	Cum	1050		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lift.	Cum	800		
3	Extra for every additional lift of 1.5 m or part there of in:				
	i All kind of soil	Cum	1050		
4	Supplying and filling in plinth with (River)Jamuna sand under floors including ,watering ,ramming consolidating and dressing complete.	Cum	98		
5	Supplying chemical emulsion in sealed containers including delivery as specified : Chlorpyriphos/ Lindane emulsifiable concentrate of 20 %	Litre	55		
6	Diluting and injecting chemical emulsion (Excluding the cost of Chemical emulsion) for PRE - CONSTRUCTION ANTI - termite treatment and creating a continuous chemical barrier under and alround the column pits, wall trenches, excavation, top surface of plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. Complete as per specifications (Plinth area of the building at ground floor only shall be measured for payment) : Chlorpyriphos E mulsifiable concentrate/ Lindane E.C. 20% with 1% concentration	Sqm	548		
7	Supply and stacking of Fly ash conforming to IRC- 58 at site, including carriage, loading , unloading & stacking up to any lead (measured stacks will be reduced by 20% for payment).	Cum	1050		
8	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge.	Cum	1225		
	SUBTOTAL -A CARRIED OVER TO SUMMARY OF CIVIL WORKS				
	SECTION-B CEMENT CONCRETE AND BASEMENT WATERPROOFING				
1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - all work upto plinth level 1:4:8 mix -1 Cement: 4Coarse sand: 8 Graded stone aggregate mm 40 mm nominal size	Cum	115		
2	Providing and laying damp proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 Graded stone aggregate 12.5 mm nominal size.	Sqm	85		
3	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7Kg per square metre on damp proof the surface with brushes and finally with a piece ofcourse after cleaning cloth lightly soaked in kerosene oil.	Sqm	85		
4	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 etc. upto five level, excluding the cost of centring,shuttering and finishing:				
a)	1:2:4 (1cement: 2 coarse sand (zone III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	20		
5	Extra for providing and mixing water proofing material in cement concrete work in doses by weight as per manufacturer's specification.	Cost per bag of cement of 50 kg	40		
6	Providing and laying water profing treatment to vertical and horizontal surfaces of depressed portions of Bathrooms, Kitchen and the like consisting of: I st course of applying cement slurry @ 4.4kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface (Tapecrete @ 50 Kg Per 100 Kg of cement) II nd course of 20mm cement plaster 1:3(1 cement:3 coarse sand) mixed with water proofing as per IS : 2645 (Dr Fixit Pidiiproof LW @ 200 ML per bag of cement) compound in recommended proportion including rounding off junction of vertical and horizontal surface. III rd course of applying blown or/residual bitumen applied bot at 1.7 kg.per sqm of area. IV th course of 400 micron thick PVC sheet.(Overlaps at joints of PVC sheet should be 100mm wide and pasted to each other with bitumen @ 1.7 kg/sqm.)	Sqm	530		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
7	Providing and filling AAC (Aerated Autoclaved Cement) Blocks at sunken portions of Toilets, Kitchen etc at all levels upto floor V	Cum	140		
SUBTOTAL-B CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION-C REINFORCEMENT CEMENT CONC.					
1	Providing and laying in position ready mixed 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 ; 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.				
a	All works upto plinth level				
i.	Concrete of M30 grade with minimum cement content of 350 kg /cum	Cum	230		
b	All works above plinth level upto floor V level				
i.	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	825		
2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforced -All works upto plinth level				
a	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) :	Cum	40		
3	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. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement :				
a	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) :	cum	15		
4	Reinforced cement concrete work in beam, suspended floors , roofs having slope upto 15, landings, balconies, shelves,chajjas, lintels, bands, plain window sills stair-cases above plinth level upto floor five level excluding the cost of centring,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 20mm nominal size derived from natural sources	Cum	6		
5	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement : 1½ coarse sand(zone II) : 3 graded stone aggregate 20 mm nominal size derived from naturam sources).	Cum	2		
6	Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° 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: 3 graded stone aggregate 20 mm nominal size).	cum	5		
7	Steel Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete at all heights & level including foundation . Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	130120		
8	Centring and shuttering including strutting,propping, etc. and removal of form for:				
8.1	Foundations , footings , bases of columns etc. for mass concrete	Sqm	115		
8.2	Walls (any thickness) including attached pilasters, butteresses , plinth and string courses etc .	Sqm	98		
8.3	Suspended floors,roofs,landings,balconies and access platform	Sqm	1500		
8.4	shelves (cast in situ)	Sqm	40		
8.5	Stairs, (excluding landings) except spiral-staircases.	Sqm	30		
8.6	Lintels,beams,plinth beams,girders,bressumers and cantilevers.	Sqm	2750		
8.7	Columns ,Pillars ,piers ,Abutments,Posts,and Struts	Sqm	1700		
8.8	Arches, domes, vaults up to 6 m span.	Sqm	15		
8.9	Cornices and mouldings.	Sqm	20		
8.10	Weather shade, Chajjas, corbels etc., including edges.	Sqm	95		
8.11	Edges of slabs and breaks in floors and walls				
i	Under 20cm wide	metre	160		
ii	Above 20 cm wide	Sqm	190		
9	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 3.5m, for every additional height of 1 meter or part there of (plan area to be measured)				
9.1	Suspended floors, roofs, landing, beams and balconies (plan area to be measured).	sqm	100		
10	Providing precast cement concrete jali 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering , roughening cleaning, fixing and finishing in cement mortar 1:3 (1cement : 3 fine sand etc.complete excluding plastering of the jambs, sills and soffits.				
a	50 mm thick	Sqm	40		
SUBTOTAL-C CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION -D BRICK WORK					
1	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in: cement mortar 1:6 (1cement:6 coarse sand)	Cum	90		
2	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in all shapes and sizes in: cement mortar 1:6 (1cement:6 coarse sand)	Cum	575		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
3	Half brick masonry with common burnt clay FPS (non modular) bricks of class designation 7.5 in the foundations and plinth in: cement mortar 1:4 (1cement :4 Coarse sand)	Sqm	205		
4	Half brick masonry with common burnt clay FPS (non modular) bricks of class designation 7.5 in the superstructure above plinth upto floor V Level. cement mortar 1:4 (1cement :4 Coarse sand)	Sqm	1350		
5	Extra for providing and placing in position 2 Nos. 6 mm dia M. S. bars at every third course of half brick masonry.	Sqm	1325		
SUBTOTAL-D CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION-E WOODWORK /STEEL - STRUCTURAL STEEL / ALUMINIUM/ UPVC WORKS					
1	Providing wood work in frames of doors, windows, clerestory windows , Handrails and other frames, wrought framed and fixed in position				
(a)	Second class teak wood	Cum	1		
2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/clerestory windows & desertory 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/mm ² , modulus of elasticity 900 N/mm ² 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 5mm 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.				
a	Frame size 65 x 150 mm	Metre	435		
3	Providing and fixing 40 mm thick wood glazed door shutter having 150 wide styles, top rail & 200 mm wide bottom rail and glazed with 6 mm thick clear float glass panel fixed with 18 x 18 mm wood beading in the following wood : Rate is inclusive of melamine spray polish The doors will have best quality 4 Nos 4" long SS hinges, SS finished double legged foot operated door stays, Polyvinyl door stopper fixed to skirting, SS finish tubular handle & mortice lock of Dorset make- model SDORSS(SS finish) with Rose and Handle seperate. This will have provision for Al.air transfer Grill as per dwg.Size : upto 1000 x 2400.				
(a)	Using Beech wood	Nos	2		
4	Providing and fixing ISI marked flush door shutters conforming to IS 2202 (Part I) non-decorative, 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 :				
(a)	35 mm th including ISI marked Stainless Steel butt hinges with necessary Screws	Sqm	260		
5	Providing and fixing upto 4mm thick decorative vineer laid in approved pattern on existing door shutters complete in all respect				
(a)	Natural Teak (century/equivalent approved)	Sqm	260		
6	Extra for providing and fixing lipping with 2nd class teak wood battens minimum 25mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured)	Sqm	260		
7	Providing and fixing 1mm thick premium range laminate in plain or wood grains shades laid in approved pattern on existing door shutters etc complete in all respect as per directions and approval (Sunmica /equivalent approved)	Sqm	520		
8	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :				
a)	2nd class teak wood				
(i)	50x12 mm	Rm	360		
9	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 & directions. Section of steel reinforcement and cross sections of uPVC profiles to be as per approved design . <u>Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance</u>				
9a	Two track two panels sliding window with two glazed & one wire mesh panels Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
9a1	Using R3 series with frame (55mm & above) x (40mm & above) & sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every panel along with multipoint locking system (Height upto 1.8 metre).	Sqm	100		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
9b	Three track three panels sliding door with two glazed & one wire mesh panels with Aluminium channel for roller track with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handles on two panels along with multi-point locking system,adjustable nylon rollers with SS 304 body.				
9b1	Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (74mm & above). (Height upto 2.5 metre).	Sqm	110		
9c	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.				
9c1	Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handles on every glazed panels along with multi-point locking system. (Height upto 1.2 metre).	Sqm	60		
9d	Fixed window / ventilator without mullion / transom.				
9d1	Using R2 series with frame (39mm & above) x (39mm & above). (Height upto 1.20 metre)	Sqm	25		
9e	Ventilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles.				
9e1	Using R2 series with frame (39mm & above) x (39mm & above) & sash /mullion (33mm & above) x (60 mm & above). (Height upto 1.2 metre).	Sqm	60		
9f	Casement cum fixed panel window having one single casement panel & one fixed panel with S.S 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.				
9f1	Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above) & mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre; each openable shutter upto 0.8m width)	Sqm	50		
9g	Casement Window with Double Rebate Frame with one Side Hung Glazed Panel and one Side Hung wire mesh Panel with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles on both glazed and fly screen panel.				
9g1	Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (65mm & above) & fly screen sash (30mm & above) & (55mm & above) & metal grill (if required to be paid separately). (Height up to 1.8 metre).	Sqm	6		
9h	Casement Door with Double Rebate Frame with one Side Hung Glazed Panel and one Side Hung wire mesh Panel with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides of glazed panel and zinc alloy (Zamak) powder coated handle along with multi-point locking system on one side of fly screen panel.				
9h1	Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (85mm & above) & fly screen sash (55mm & above) x (65mm & above). (Height upto 2.5 metre).	Sqm	25		
10	Providing and fixing low ht factory made modular kitchen cabinets in modular type knockable cabinet boxes under counter storage unit for Kitchen upto 600 deep in 19mm thk. water proof Ply construction with 6mm thk. water proof Ply backing. The vertical divisions shall be as per the drawing/details at spacing with 19mm board not more than 450 mm. All internal surface of storage counter shall be in 1mm thick white Lamiate finish .All edges will finished with 18mm wide 2mm thick PVC edge banding. All the shutters shall be made in 19mm thk. water proof Ply with 1mm laminate on both sides auto closing hinges (Hettich equivalent make) and upto 4 mm thk margins polished in matching shade. All shutters shall have tubular Kich make CHR104C equivalent approved make handles and these shall be fixed with auto closing hinges. (The shutter will include fixing with automatic hinges of Hettich make). Upto one shelf per module , should be supported on approved quality SS pins and shall be adjustable for different heights as per requirements	Sqm.	90		
11	Providing and fixing factory made modular kitchen cabinets in modular type knockable cabinet boxes over counter storage unit upto 375mm depth and 700mm high made out of 19 mm BWR ply for verticals, top, bottom, and intermediate vertical partitions @600 c/c or part thereof and backing of 6 mm th. BWR ply. The inside ,top & exposed sides of storage to be finished with 1mm thick laminate and complete in all respects as per design.All edges will finished with 18mm wide 2mm thick PVC edge banding.Upto one shelf per module , should be supported on approved quality SS pins and shall be adjustable for different heights as per requirements	Sqm.	108		
12	Wardrobe : Providing and fixing upto 600mm deep and upto ceiling high storage unit made out of 19 mm BWR ply for verticals, top, bottom, and intermediate vertical partitions @ 900 c/c or part thereof and backing of 6 mm th. BWR ply. The inside ,top & exposed sides of storage to be finished with laminate and complete in all respects as per design. Shutters shall be in 19 mm BWP grade block board with teak wood lipping all -around. The front & back to be finished with 1 mm thick laminate.Front will be wood color premium laminate and inside will be 1mm thk white laminate Shelves are made of 19 mm BWR grade block board with teak wood lipping and fixed @ 600 mm c/c supported on heavy duty S.S pins or fixed to sides as per directions. The teak wood lipping shall be enamel painted. Wardrobe shall have for no drawers for each wardrobe module width upto 900 mm as per drawing and shall moveable on channels which shall be paid extra. Telecopic channels shall be paid extra for each wardrobe Locks shall be Godrej make universal drawer/ cupboard lock (model no 5041) dead lock with S.S key- master key for groups as required. Handles shall be Kich make AIAI 316 grade 96 mm long 12 mm dia for each shutter.	Sqm.	78		
13	Providing fixing telescopic channels of following length with necessary screws etc complete as per directions				
a	450 mm (Cat no.Hettich 9114275)	Nos	50		
b	550 mm (Cat no.Hettich 9114277)	Nos	30		
14	Providing and fixing following stainless steel kitchen/wardrobe over the counter /under the counter accessories of Kaff/Hettich make or other equivalent approved brand including necessary channels, screw etc complete in all respect				
a	Dish Drainer set Hettich (CAT. no. 9206161)	Nos	16		
b	Pipe with fittings Kaff K1 OS 602	Nos	16		
c	Suspension hooks - (CAT no. 0 046 103)	Nos	80		
d	Cuttlery Basket Hettich (CAT no. 2441)	Nos	32		
e	Pull out trolley Hettich (Cat no. 9190403)	Nos	32		

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f	Pull out trolley Hettich (Cat no. 9190406)	Nos	32		
g	Pull out multipurpose basket Hettich (cat no. 9235979)	Nos	32		
h	Pull out large utensil Basket Hettich (Cat No. 9194322)	Nos	32		
15	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
a	250x10 mm	each	60		
b	150x10 mm	each	60		
c	100x10 mm	each	60		
16	Providing and Fixing following types of of Dorset equivalent approved handles /locks etc system complete in all respect				
a	Cylinder lock Euro Profile one side key and one side knob with heavy duty three stroke mortise lock and a pair of lever handles (NIKA) NKORSS (SS finish) with Rose	each	48		
b	Cylinder lock Euro Profile model one side coin and one side knob with heavy duty three stroke mortise and a pair of lever handles (NIKA) NKORSS (SS finish) with Rose	each	32		
c	Cylinder lock Euro Profile both side key with heavy duty three stroke mortise lock and a pair of lever handles (NIKA) NKORSS (SS finish) with Rose	each	16		
d	Door Chain	each	16		
e	Eve view model -ME	each	16		
f	Pull Handle pair -NIKA	each	32		
g	Double attachment model no DDML including providing /fixing for mortice lock and dead lock for double door	each	16		
17	Steel work welded in built up sections/framed workincluding cutting,hoisting,fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required :				
a	In gratings ,frames, guard bar,ladders,railings brackets,gates & similar works	Kg	2000		
b	In Stringers,treads,landings,etc of staircases ,including use of chequered plates wherever required all complete	Kg	1200		
18	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing , balcony railing & staircase railing including applying a priming coat of approved steel primer :				
	M . S . tube	Kg	120		
19	Structural steel work in single section ,fixed with or without connecting plate including cutting ,hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg.	1000		
20	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.				
a)	Fixed to steel windows by welding.	Kg	40		
b)	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	600		
21	Providing and fixing stainless steel(Grade- 304) railing /gates etc made of hollow tubes, channels, plates etc. including welding, grinding, buffing, polishing and making curvature(wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i.e. fixing the railing /gates 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 the approval of Engineer- incharge, (For payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	Kg	800		
22	Providing and fixing expansion hold fasteners on C.C./R.C.C/Brick masonry surface backing including drilling necessary holes and the cost of bolt etc. complete :				
	Wedge expansion type				
a	Fastener with threaded dia. 10mm.	Nos	260		
23	Providing and fixing toughened glass panels of 10 mm thk glass . Glass panels fixed to ss railings with glass holders. Glass shall have grinded & clear edge polishing .The cost glass holders and making holes to be taken seperately	Sqm	140		
24	Making holes in the glass as per drawings	each	180		
25	Providing and fixing SS 304 grade Glass Holders (Ozone model OZRF-GH-01-00-00 equivalent approved) to the the SS railing /gates etc	each	180		
26	Providing & fixing aluminium work for doors, windows, ventilators & partitions with built up standard tubular /appropriate Z sections & other sections of apporved make conforming to IS : 733 and IS : 1285 anodised and transparent or dyed to required shade conforming to IS : 1868 with minimum anodic coating of grade AC - 15 fixed with rawl plug, screws, or with fixing clips, aluminium handles, tower bolt , eye & hooks etc. with expansion hold fastners including necessary filling up of gaps at junctions at top , bottom and sides with required PVC/ neoprene felt etc. aluminium sections shall be smooth rust free straight, mitred and jointed mechanically where ever required including cleat angles, aluminium snap beading for glazing/ panelling, CP brass/ stainless steel screws all compelte as per architectural drawings and directions including carriage of materials in all leads and lifts.(Glazing and panelling to be paid for extra)				
a)	For fixed portions				
i.	Powder Coated aluminium (Minimum thickness of powder coating 50 micron external grade PP grade)	Kg	10		
ii.	Powder Coated aluminium for shutters of doors , windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the PVC/neoprene gasket required (Fittings shall be paid for seperately	Kg	20		
27	Providing and fixing glazing in aluminium door ,window,ventilator shutters etc. with PVC/neoprene gasket etc. Complete as per the architectural drawings and the directions of engineer -in-charge (cost of aluminium beading shall be paid in basic Item)(Minimum thickness of powder coating 50 micron external grade PP grade)				
a	With float glass panes of 4.0 mm thickness	Sqm	10		
b	With float glass panes of 5.0 mm thickness	Sqm	10		
28	Providing and fixing glazing in UPVC door ,window,ventilator shutters etc. complete as per the architectural drawings and the directions of engineer -in-charge (Area of opening for glass panes excluding portion inside rebate shall be measured):				

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i	With float glass panes of 4.0 mm thickness	Sqm	16		
ii	With float glass panes of 5.0 mm thickness	Sqm	140		
iii	With float glass panes of 8 mm thickness	Sqm	80		
29	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.				
a	205 X 19 mm	each	32		
b	255 X 19 mm	each	32		
30	Providing and fixing 100mm brass mortice latch and locks with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	each	16		
SUBTOTAL-E WOOD/STEEL WORK - STRUCTURAL STEEL / ALUMINIUM/ UPVC WORKS CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION-E					
SECTION- F (FALSE CEILINGS)					
1	Providing and fixing false ceiling at 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 gm/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 37 mm. at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm 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 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, shell 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 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter 12.5 mm thick tapered edge gypsum moisture resistant board	Sqm.	50		
2	Providing and fixing false ceiling as per 1 above but in line of Gypsum board providing and laying in situ P.O.P. with metal lath and plaster ceiling in plain / curved profile , complete with necessary cut-outs for services out lets as described in item No 1 above .	Sqm	120		
3	Providing and fixing 75 high Gypsum board vertical band on the edges of False Ceiling	Rm	95		
4	Providing and fixing Double Layer Ceiling System , using 12mm thick commercial ply in lieu of Gypboard ceiling in item 1 as first layer & using 4 mm thk veneer in approved pattern as second layer fixed to each other as per drawing and specifications Veneer basic Price Rs 220/- Sft.	sqm	40		
5	Providing and fixing ceiling rafters with 4mm veneer (wenge shade of century make)of approved design/pattern and make fixed over rectangular box of 75X100 cross section made by joining the 19mm comm. Ply with grooves as per the drawing. Ply shall be fixed on to the partition/ pane/wall with pvc fasteners.	Rm	60		
SUBTOTAL-F FALSE CEILING CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION-G FLOORING / WALL CLADDING/ STONE WORK					
1	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 20 mm cement mortar 1:4 (1cement :4 coarse sand) jointing ith grey cement slurry@ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
a	Size of tile 600 X 600 mm (Basic Price Rs 700 /- Sqm)	sqm	100		
b	Size of tile 800 X 800 mm (Basic Price Rs 1050 /- Sqm)	sqm	1300		
2	Providing and laying rectified Glazed Ceramic floor tiles 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) including pointing the joints with white cement and matching pigments etc., complete.(Basic Price Rs 650 /- Sqm)	sqm	490		
3	Providing and laying any Vitrified tiles in different sizes with water absorption of 0.08% and conforming to IS:15622, of approved make, in all color and shades, in skirting, risers of steps over 12mm thick cement plaster 1:3 (1 cement: 3 course sand) and jointed with white cement and matching pigment etc., Complete.	sqm	160		
4	Providing and laying any coloured / plain/ texture /digital tiles in skirting, risers of steps and dado on 12mm thick cement plaster 1:3(1 cement: 3 course sand) and jointed with white cement slurry and matching pigment etc (Basic price Rs 750/- Per Sqm)	Sqm	25		
5	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade(0.10 kg of hardener and 0.20 kg of resin per kg), including filling/grouting and finishing complete as per directions.				
a	Size of Tile 600x600 mm	Sqm	200		
b	Size of Tile 800x800 mm	Sqm	200		
6	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 slab including rubbing and polishing complete with:				
a	25 mm thick with base1:4(1cement:4Coarse sand)	Sqm	400		
7	Kota stone slab 20 mm thick in risers of steps, skirting and pillars laid on 12 mm 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 slab ,including rubbing and polishing complete.	Sqm	20		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
8	Providing and fixing 18 mm thick mirror polished, premolded, prepolished machine cut for kitchen platform, vanity counters facias and similar locations of required size of approved shade , colour and texture laid over 20 mm thick base cement mortar 1 : 4 (1 cement : 4 coarse sand) with joints trated with white cement , mixed with matching pigment , epoxy touch ups , including rubbing , curing molding and polishing to edge to give high gloss finish etc complete.				
a	Granite of any colour and shade (Basic price of stone upto Rs 1850/- per Sq.M.)				
i	all levels : upto 0.50 sqm slab area	Sqm	16		
ii	all levels : above 0.50 sqm slab area	Sqm	60		
9	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.	metre	120		
10	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.	each	32		
11	Providing and fixing gang saw cut 18 mm thick mirror polished pre moulded and pre polished , machine cut granite of required size of approved shade , colour and texture in footpath ,flooring in road side laid over 20 mm thick base cement mortar 1 : 4 (1 cement : 4 coarse sand) with joints treated with white cement , mixed with matching pigment , epoxy touch ups , including rubbing , curing etc. complete as per directions.				
a	With granite stone of area less than 0.50 sqm. (Basic price of stone upto Rs 1850/- per Sq.M.)	Sqm	150		
12	Extra for providing edge moulding to 18 mm thick Marble stone counters , vanities , steps etc. including machine polishing to edge to give high gloss finish etc. complete as per approved design .				
a	Granite work	Metre	220		
13	Providing and fixing cramps of required size & shape in RCC / CC backing with cement mortar 1 : 2 (1 cement : 2 coarse sand) including drilling necessary hole in stones and embedding the cramp in the hole (Fastener to be paid separately)				
a)	Stainless steel cramps.	Kg.	40		
15	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 :				
a)	Flamed finish granite stone slab (Basic price of stone upto Rs 1850/- per Sq.M.)	Sqm	50		
16	Providing & Fixing 4mm thick fire rated aluminium composite panel with .5mm skin cladding of approved shade & pattern of ALSTRONG or equivalent make (exterior grade) sandwiched between two skins of 0.5mm with thermoplastic core of mid low density poythene ACP cladding to be fixed on grid of M.S hollow tube frame by anchored screws and double tape of approved quatilty including sealing the joints by the silicon sealent (789-Doorcornering make) to make joints leak proof including the cost of cutting bending and fixing of ACP sheets, scaffolding etc., complete as per direction of Engineer -in-charge, (M.S Hollow tube frame to be paid separately)	SqM	45		
SUBTOTAL- G FLOORING CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION -H ROOFING					
1	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies , terraces etc. consisting of following operations RCC slab and adjoining walls upto 300 mm height including cleaning the surface before treatment.				
a	Providing and laying acrylic modified polymer cementitious coat as first coat with fibre mesh on top it and another coat of acrylic modified polymer cementitious coat as per manufaturer specifications.(suggested brand Dr Fixit Powcrete)				
b	Laying cement concrete using broken bricks /brick bates 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with propriatary water proofing compound conforming to IS :2645 over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS :2645 to the 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 admixed with water proofing compound conforming to IS :2645				
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 including laying glass fibre cloth of approved quality and finally finishing the surface with trowel with neat cement slurry and making of 300X300 mm square 3mm 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 engineer in charge/architect.				
j)	With average thickness of 120mm and minimum thickness at khurra as 65 mm	sqm	560		
2	Making khurras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4(1 cement : 2coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mX1m x400 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	Each	14		
SUBTOTAL-H ROOFING CARRIED OVER TO SUMMARY OF CIVIL WORKS					
SECTION -I FINISHING					
Rates of external plaster are for height upto 10m from ground level unless otherwise specified					
1	12 mm cement plaster of mix: 1:4(1cement:4 fine sand)	Sqm	2950		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
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)	Sqm	1750		
3	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge	Sqm	2425		
4	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement: 3 fine sand)	Sqm	3050		
5	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	sqm	1200		
6	Providing and applying plaster of paris putty of upto 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	3875		
7	Wall painting with plastic emulsion paint including coat of primer of approved brand and manufacture to give an even shade:				
7.1	Two or more coats on new work	sqm	5400		
7.2	Extra on 7.1 but with Asian Royale plastic emulsion paint in approved shade other than metallic shade on walls.	sqm	5400		
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
a	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	530		
9	Panting with oil type wood preservative of approved brand and manufacture:				
a)	New Work(One or more coats)	Sqm	265		
10	French spirit polishing :				
a)	Two or more coats on new works including a coat of wood filler	Sqm	550		
11	Applying putty (Birla/ J.K.) upto 2mm thickness on undecorated wall including preparing the surface by thoroughly cleaning grease, dirt dust and other foreign matter including carriage of materials in all leads and lifts and heights.	Sqmt.	100		
12	Finishing walls with premium Acrylic Smooth exterior paint with silicone additives of required shade New work (Two or more coats applied @1.43 ltr/10sqm. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm). (Asian Ultima or equivalent approved)	Sqm	480		
13	Finishing walls with textured paint of required shade :				
a)	New work involving base coat of Asian paints exterior primer ,second coat of Apex Duratex Fine Tex applied with roller to give finetex ripples effect and top coat of Apex Ultima in approved shade (Complete in all respect as per Asian Paints specifications).	Sqm.	480		
14	Finishing wall with water proofing Apex Exterior paint manufacture and of required shade on undecorated wall surfaces (one coats) to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials including carriage of materials in all leads, lifts and height.	Sqm	40		
SUBTOTAL-I					
SECTION- J EXTERNAL DEVELOPMENT					
1	Providing and fixing 60mm thick factory made cement concrete interlocking paver block of M30 Grade made by block making machine with strong vibratory compaction and of approved size and design /shape laid in required colour and pattern over and including 50mm thick compacted bed course sand, filling the joints with coarse sand etc.all complete as per the direction	Sqm	205		
SUBTOTAL-J CARRIED OVER TO SUMMARY OF CIVIL WORKS					
TOTAL OF CIVIL WORK					
(B) ELECTRICAL WORK					
1	M.V. SWITCH GEARS & DISTRIBUTION BOARDS:				
1.1	M.V. PANEL BOARDS:				
	Design, manufacture, supply, installation, testing and commissioning of following MV switchgear panels suitable for 415 V, 3 phase, 4 wire, 50 Hz power distribution system. The panel shall be, Indoor, free standing, floor mounting, sheet metal clad, cubicle, dead front, dust and vermin proof type compartmentalized design fabricated out of powder coated 14 SWG sheet steel (shade Siemens grey -RAL7032), complete with aluminium bus bars, separate earth bus bar to be provided through out the length of the panel. The incoming and outgoing feeders shall be accommodated in a modular multitier arrangement and shall be interlocked to avoid paralleling. Adequate size cable alley, painting, earthing, numbering, danger plate etc as required as per specifications and drawings.				
1.1.a	MAIN LT PANEL (MLTP)				
	Incoming :				
	One (1) No. 100 A, 35 KA, 4P MCCB with neutral link.				
	Metering & indication :				
	One (1) No. digital volt, current & Frequency (VAF) Meter with in built selector switch, 100A/5A CL-1.0,15VA CTs and control fuses.				
	One set (3 nos.) phase indication lamps with fuses.				
	One (1) set of indication lamp for ON/OFF/TRIP of breaker.				
	Busbars:				
	Electrolytic high conductivity Aluminium three pole and neutral busbars rated at 300 amps having a maximum current density of 1 amp per Sqmm insulated with heat shrinkable PVC sleeves as shown in single line diagram.				
	Outgoing:				

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
	Eight (4) nos. 63 4P MCBs(10KA).	Set	2		
1.1.b	All MCCBs shall be adjustable thermal magnetic type.				
	Lockable vacant chambers for installation of 5 nos. KWH energy meters as per requirement of power supply authority. (Energy meters shall be supplied by power supply authority). Required sizes of flexible wires with lugs from bus bar chamber to meter compartment shall be supplied by panel supplier.	Set	10		
1.2	DISTRIBUTION BOARDS :				
	Supply of following double door type distribution boards fabricated out of 16 SWG, CRCA sheet steel recessed in wall or surface mounted.				
1.2.1	LPDB (for Flats)				
	Incoming:				
-	One (1) 63 Amp 4P MCB 10 KA as incomer				
-	Three (3) nos. 63A DP RCCB (100mA sensitivity) on each phase.				
	Outgoing:				
	Twenty four (24) nos 6/10/16A SP MCBs, 10 KA.	Set	9		
1.2.2	LPDB (For Lift)				
	Incoming:				
-	One (1) 63 Amp 4P MCB 10 KA as incomer				
	One (1) 63 Amp 4P 300MA RCCB as incomer				
-	Three (3) nos. 63A DP RCCB (100mA sensitivity) on each phase.				
	Outgoing:				
	Twelve (12) nos 6/10/16A SP MCBs, 10 KA.	Set	2		
	TOTAL OF M V SWITCH GEARS & DISTRIBUTION BOARDS CARRIED OVER TO SUMMARY OF ELECTRICAL WORKS	Rs.			
2)	WIRING :				
2.1	Point Wiring :				
	Supplying, wiring, testing and commissioning for lights, ceiling fans, exhaust fans and 6 A socket outlets (where 6 A socket connected to lighting circuit) using 1.5 Sqmm stranded copper, 1100 volts grade, PVC insulated wires drawn through, PVC conduit including laying of conduits in a concealed/ surface manner using necessary conduit accessories, junction boxes, switch outlet boxes, switch plates, bends, collars, clamps, 6/16 A, one way/ Two way switches, fan regulator boxes, etc. shall be flush mounted in brick wall or on the surface of wall for surface installation as required.				
	The rate for point wiring (using 2 Nos. 1.5 Sqmm 1100 V grade PVC insulated copper wires for phase & 1 No. 1.5 Sq.mm copper conductor wire for earth) shall include the circuit wiring (using 2.5 Sqmm, 1100 V grade PVC insulated copper wires) from the DB up to the first light/fan/6 A convenience socket outlet control switch on wards to light/fan then the looping between switches /lights /fans /6 A socket etc. The circuit wiring will not be paid separately. However where the lights are controlled directly from DB without local control switch, the quoted rates shall not include cost of switches/MCB etc.				
	Also the rate shall include earthing of each light, fan outlet boxes, switches, switch plates, switch control boxes, 6A sockets using 1.5 Sqmm copper, PVC insulated wires and flexible conduit from junction box to the fitting as required.				
a)	Primary light point i.e. one light controlled by one switch or first light in the group in which more than one lights are controlled by one switch.	Nos.	400		
b)	Primary light point directly controlled by existing MCB in DB.	Nos.	4		
c)	Secondary light points (Looped light points from Primary light points)	Nos.	200		
d)	Light points controlled by 2 Nos 2 way switch.		32		
e)	One 6 Amps, 2/3 pin switched socket outlet controlled by one 6 Amps switch.	Nos.	100		
f)	Additional 6Amps switched socket outlet to be fixed to adjacent to above item in same box.	Nos.	16		
g)	Exhaust fan point controlled by a 6A switch on the switch board and 6 A socket outlet near exhaust fan.	Nos.	32		
k)	Ceiling fan point controlled by a 6A switch on the switch board and stepped fan regulator.	Nos.	10		
2.2	Wiring for 6/16 Amp power outlet with 4 Sqmm PVC insulated stranded copper conductor wires in recessed/surface PVC conduit including cutting/filling chases, providing conduit with conduit accessories, saddles supply and fixing of 6 pin 6/16 Amps shuttered switched socket with internal wiring in G.I. box, earthing of 3rd pin with PVC insulated, green colour 2.5 Sq.mm copper wire, complete with all accessories as required. (Not more than two outlets shall be wired in one circuit).	Nos.	202		
2.3	Wiring for 6 Amp socket outlet with 2.5 Sqmm PVC insulated stranded copper conductor wires in recessed/surface PVC conduit including cutting/filling chases, providing conduit with conduit accessories, saddles supply and fixing of 2/3 pin 6 Amps shuttered switched socket with internal wiring in G.I. box, earthing of 3rd pin with PVC insulated, green colour 1.5 Sq.mm copper wire, complete with all accessories as required. (Not more than eight outlets shall be wired in one circuit).	Nos.	140		
2.4	PVC Conduit :				
	Supplying and installation of following sizes of PVC conduit in recess/ on surface including all accessories, saddles, M.S. junction/ pull boxes, G.I. fish wire, fixing hardware etc including chasing the wall/floor and plastering the chased portion and making good the damages etc., complete as required.				
a)	25 mm dia	RM	700		
b)	32 mm dia	RM	75		
c)	38 mm dia	RM	75		
d)	50 mm dia	RM	200		
2.5	Wiring				
	Supply and drawing of following sizes of PVC insulated stranded copper conductor wires of 1100 Volts grade in existing conduit including connection/termination etc as required.				
a)	4x25+2x16 Sqmm	RM	350		
	TOTAL OF INTERNAL WIRING	Rs.			
3	CABLES:				
3.1	1.1 KV Cabling				
	Supply installation, testing and commissioning of following sizes of PVC sheathed PVC/XLPE insulated Aluminium conductor / copper conductor power / multicore control armoured cable of 1.1 KV grade on wall, or in existing cable tray /masonry ducts/hume pipe with fixing hardware etc or 750 mm below ground, including excavation for trench , sand cushioning, brick covering etc. refilling the riddled earth, reaming & depositing excess earth as required.				

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
a)	4 C x 10 Sqmm copper conductor XLPE insulated armored cable	RM	250		
a)	3.5 C x 35 Sqmm Aluminium conductor XLPE insulated armored cable	RM	50		
3.2	Cable Termination				
	Supply and making end termination with brass double compression glands for the following PVC insulated PVC sheathed & armoured 1100 V grade cable including cost of crimping lugs/ferrules, compression glands, solder, cable sockets, insulation tape etc complete as required.				
a)	4 C x 10 Sqmm copper conductor XLPE insulated armored cable	Nos.	40		
b)	3.5 C x 35 Sqmm Aluminium conductor XLPE insulated armored cable	Nos.	2		
	TOTAL OF CABLES	Rs.			
4)	EARTHING :				
4.1	EARTHING STATIONS:				
a)	Supply, installation, testing and commissioning of Copper plate earthing stations making earth pits, earthing with copper earth plate 600 mm x 600 mm x 3 mm thick including funnel, char-coal/coke, salt, all earth work. Providing masonry enclosure with 10 mm thick C.I. cover plate having locking arrangement and watering pipe, disconnecting/ testing links etc as per IS -3043 complete as required.	Nos.	8		
4.2	Earthing Strip/Wires				
	Supply, laying, fixing & terminating of following sizes of Cu/GI strip/wire clamped to walls, cable trays etc for equipment/ System earthing complete as required including inter connection between length at joints, all fixing accessories saddles, clamps etc and other fixing hardware material as required for proper installation.				
a)	30 x 5 mm GI strip	RM	100		
b)	8 SWG copper EARTH wire along with apartment/ lift cables	RM	500		
	TOTAL OF EARTHING CARRIED OVER TO SUMMARY OF ELECTRIC WORKS	Rs.			
5	LIGHTING FIXTURES:				
	Supply ,Assembling, installation, testing & commissioning of following type of light fixtures and fans. All fixtures shall be provided with power factor improvement capacitors, electronic control gear & lamps as per requirements and installation arrangement using proper support etc. complete as required.				
a)	HAVELLS wall bracket 1 NX9W LED Lamp LHFOAJE1TZ1060	Nos.	32		
b)	HAVELLS wall bracket 2 NX9W LED Lamp LHFOAJE2TZ1060	Nos.	32		
c)	HAVELLS Trim Round Surface accessories	Nos.	32		
i	Surface Module Trim Plus 6 W ,LSSLNW0129	Nos.	64		
ii	Surface Module Trim Plus 9W ,LSSLNW0131	Nos.	32		
iii	Surface Module Trim Plus18W ,LSSLNW0133	Nos.	32		
d)	HAVELLS Clipon LED Panel Round	Nos.	32		
i	Surface Mounted clipon light 6 W LED 4000 K, LHEAABP6IL1E006	Nos.	32		
ii	Surface Mounted clipon light 12 W LED 4000 K, LHEAABP6IL1E0012	Nos.	32		
iii	Surface Mounted clipon light 18 W LED 3000 K, LHEAABP5IL1E0018	Nos.	32		
e)	HAVELLS recessed down light 3 W LED 3000 K LHEEAQPBIB1W003 (Crysta Neo COB Swivel)	Nos.	32		
f)	HAVELLS recessed down light 6 W LED 6500 K LHEEAQPFIB1W006 (Crysta Neo COB Swivel)	Nos.	32		
g)	HAVELLS recessed down light 12W LED 6500 K LHEEAQPFIB1W012 (Crysta Neo COB Swivel)	Nos.	32		
h)	HAVELLS recessed down light 3 W LED 3000 K LHEBAP5IZ1W003	Nos.	32		
i)	HAVELLS recessed down light 6 W LED 6500 K LHEBAP7IZ1W006	Nos.	32		
j)	HAVELLS recessed down light 12W LED 6500 K LHEBAP7IZ1W012	Nos.	32		
k)	HAVELLS Mirror light LED Batten 20 W 4000 K, LHLDESAARANB020	Nos.	32		
l)	HAVELLS LED Pride Plus Neo Batten 40 W 6500 K Aluminium Batten, LHEXACP7IN1J040	Nos.	32		
m)	Providing, installing, testing and commissioning of pre-wired Flexible LED Strip ,HAVELLS, 24Ww 4000 K 5m,LHEHDL6UN1W024	EACH	32		
n)	Providing, installing, testing and commissioning of Driver for LED STRIP 12 V 2 A Driver, LSSLNW0150/LHFXBGNNIN1W024	EACH	32		
o)	Supply & fixing 225mm dia 900 rpm exhaust fan with louvre shutter including necessary connecting wire & hardware such as clamps,nuts, bolts, nails, screws as required	Nos.	16		
p)	Supply & fixing of 1200mm sweep ceiling fan including necessary connecting wire & hardware such as clamps,nuts, bolts, nails, screws and suspension rod as required for fixing the ceiling fan in position as directed	Nos.	80		
u	Providing and fixing 600mm wide electric chimney Faber make and HOOD MERCURY IN HC SC BK BF 600mm wide with suction 1200m3 /hr	Each	16		
	TOTAL OF LIGHTING FIXTURES, ELECTRICAL HOOD AND FANS CARRIED OVER TO SUMMARY OF ELECTRICAL WORKS	Rs.			
6	DATA / VOICE WIRING SYSTEM :				
	CONDUITING				
6.1	Supplying and installation of following sizes of PVC conduit in recess/ on surface including all accessories, M.S. junction/ pull boxes, G.I. fish wire, fixing hardware etc including chasing the wall/floor and plastering the chased portion and making good the damages etc., complete as required.				
	25 mm dia	RM	600		
6.2	Wiring				
	Supplying and drawing of following size PVC insulated PVC sheathed annealed tinned copper conductor 0.61 mm dia telephone wires conforming to ITD-S/SW-113B in existing PVC conduit/G.I. pipe/ cable trays/ hume pipes etc complete as required.				
	2Pair	RM	1500		
6.3	Telephone Socket Outlet				
	Supply and installation of plug - in type telephone socket outlet (RJ-11) with G.I.outlet box and cover plate complete as required.				
a	Single plug in type.	Nos.	32		
b	Double plug in type.	Nos.	32		
	TOTAL OF DATA/VOICE WIRING SYSTEM CARRIED OVER TO SUMMARY OF ELECTRICAL WORKS	Rs.			
7	CCTV SYSTEM :				
a)	Supply, installation, testing & commissioning of 1/3 " CCD 1000 TVL ,1.0 Lux / F1.4,3.6 mm Lense, Auto Electronic Sensor, Auto Gain Control, Back Light Compensation, DC12V, Colour camera housed in Dummy Dome, with power supply unit	Nos.	12		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
b)	Supply, Installation, Testing & Commissioning of 12 channel DVR, 100 FPS Display,100 FPS recording,500 GB HDD, MPEG compression format, with TCP / IP, Internet, LAN, WAN connectivity.	Nos.	2		
c)	Supply, Installation, Testing & Commissioning of 21" LCD monitor with Keyboard and mouse.	Nos.	2		
d)	Supply and laying of RG 6 tinned copper conductor co-axial cable in existing conduit.	RMT	1500		
	TOTAL OF CCTV SYSTEM CARRIED OVER TO SUMMARY OF ELECTRICAL WORKS	Rs.			
	TOTAL OF E&M ITEMS				
	(C) PLUMBING WORK				
	SUB HEAD I - SANITARY FIXTURE & FITTINGS				
1.01	Providing and fixing white vitreous china extended wall hung Water Closet of size 380x630x760 mm of approved shape, with PP soft close seat cover, hinges, Accessories set Including providing and fixing vitreous china cistern with duel flush fitting, of flushing capacity, and cistern fitting, nuts, boltsand gasket etc complete.(MODEL NO - CNS-WHT-353PPSMZ JAQUAR MAKE or approved equivalent)	Each	32		
1.02	Providing & Fixing white vitreous china wash basin for under counter mounting, specially fabricated brackets, painted white, 32mm C.P.waste, connection pipe & rubber adopter for waste connection, complete including cutting and making good the walls, wherever required. (CAT NO. - CNS-WHT-705 or approved equivalent)	Each	16		
1.03	Providing and fixing table top wash basin with CI/MS brackets/Fastners, equivalent approved, 32mm CP brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. (CAT NO. - CNS-WHT-905 or approved equivalent)	Each	16		
1.03	Providing and fixing stainless steel A ISI 304 (18/8) kitchen sink as per I.S.13983 with C.I. Brackets, stainless steel plug 40mm including painting of fittings and brackets cutting and making good the walls wherever required.				
a)	Kitchen sink with drain board 510x1040 mm bowl depth 250mm	Each	16		
	Providing and fixing PTMT Bottle trap for wash basin, sink & urinal .				
1.04	Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260gms.	Each	32		
1.05	600mm long towel rack with total length of 600mm, width 78 mm effective height of 88 mm, weighing not less than 190grms. (MODEL NO - AKP-35781PF JAQUAR MAKE or approved equivalent)	Each	32		
1.06	Providing & fixing C.P brass Long Body bib cock of approved quality and weighing not less than 690gms. (MODEL NO - CON-107KN JAQUAR MAKE or approved equivalent)				
a)	15 mm nominal bore	Each	32		
1.07	Providing & fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore	Each	144		
1.08	Providing and fixing C.P. brass angle valve 15mm dia for basin mixer and gyser points of approved quality conforming to IS : 8931 . (MODEL NO - CON-059KN JAQUAR MAKE or approved equivalent)				
	15mm nominal bore	Each	144		
1.09	Providing & fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm , height of 75 mm with concealed fitting arrangements . Weighing not less than 106 gms.	Each	32		
1.10	Providing and fixing of CP Brass shower rose with 15 or 20 mm inlet: 100 mm diameter (MODEL NO - OHS-1989 JAQUAR MAKE or approved equivalent)	Each	32		
1.11	Providing & fixing stop cock of approved quality and colour Concealed Stop cock, 15mm nominal bore, 108mm long, weighing not less than 108gms. (MODEL NO - CON - 087KN JAQUAR MAKE or approved equivalent)	Each	32		
1.12	Providing & fixing 600 x 450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	32		
1.13	Providing and fixing Health faucet in PVC Flexible Tube with wall hook (jaguar-ALD -CHR-593N or approved equivalent)	Each	32		
1.14	Providing & Fixing High-flow Diverter for shower including all fittings and connections complete as required.				
i	Single lever exposed parts kit of hi-flow diverter (model no, COP-079NKPM JAQUAR or equivalent).	Each	32		
ii	Concealed body for single lever hi-flow diverter (model no, ALD-079N JAQUAR or equivalent).	Each	32		
1.15	Providing and Fixing wall mounted single lever sink mixer with connecting legsand wall wall flanges and swinging spout complete, including cutting and making good the walls wherever required. (MODEL NO - COP-309PM JAQUAR MAKE or approved equivalent)	Each	16		
1.16	Providing and Fixing Two way bib cock complete, including cutting and making good the walls wherever required. (MODEL NO - CON-041KN JAQUAR MAKE or approved equivalent)	Each	32		
1.17	Providing and ixing hot water Geyser 25ltr capacity of 5 star BEE rating complete in all respect including cutting and making good the walls wherever required as per approval of engineer in charge.	Each	32		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
1.18	Providing and fixing straight type Macfit single body push fit type WC pan connector with factory supplied spring loaded seal guard of McAlpine, UK with integral single mould sealing fins made of flexible EVA body, including bush/adaptor for use with C.I. Pipe as supplied with the pan connector.	Each	32		
1.19	Providing and Fixing Bathtub Spout with Wall flange complete, including cutting and making good the walls wherever required. (MODEL NO - SPJ-429 JAQUAR MAKE or approved equivalent)	Each	32		
1.20	Providing and Fixing single lever Basin mixer without pop up waste system with 450mm long braided Hoses, including cutting and making good the walls wherever required. (MODEL NO - COP-001BPM JAQUAR MAKE or approved equivalent)	Each	32		
TOTAL OF SUB HEAD I - SANITARY FIXTURES CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
SUB HEAD II - SOIL, WASTE , VENT WATER PIPES					
2.01	P/F UPVC- SWR Piping system AS PER IS 13592 with built-in SOCKET pipe in 3 LAYER-outer and inner layer of upvc and binner layer of specially formulated PVC serving as noise insulator having moderate impact and stiffness with rubber ring /solvent joint complete in all respect as per direction (suggested brand Prince Silent fit Low nose SWR piping/as approved)				
a)	110 mm O.D. (wall thickness 3.80 mm)	Metre	290		
a)	75 mm O.D.	Metre	10		
2.02	P/F UPVC- SWR Piping system AS PER IS 13592 with built-in SOCKET pipe in 3 LAYER-outer and inner layer of upvc and binner layer of specially formulated PVC serving as noise insulator having moderate impact and stiffness with rubber ring /solvent joint complete in all respect as per direction (suggested brand Prince Silent fit Low nose SWR piping/as approved). (Wash Basin, Sink, Uninal waste Pipe, Floor Drain waste Pipe				
a)	40mm Dia OD (wall thickness 3.40 mm)	Metre	80		
b)	50mm Dia OD (wall thickness 3.40 mm)	Metre	80		
2.03	Providing and fixing PVC reducer/hopper/elbow (Floor Drain) of 100 x 50mm, complete as per instructions of the Engineer in charge.	Each	16		
2.04	Providing, fixing and testing of uPVC SWR P or S trap including jointing with solvent cement and making good the walls, floors etc., complete of nominal size. AS PER IS 13592 110x 110mm	Each	50		
2.05	Providing, fixing and testing of uPVC SWR multitrapp including jointing with solvent cement and making good the walls, floors etc., complete of nominal size. AS PER IS 13592 110 x 50mm	Each	8		
2.06	Providing, fixing and testing of uPVC SWR inlet fittings / Hight riser with two or three saddle inlets of 40, 50 or 63 mm size, fabricated from 110 mm outer dia uPVC pipes and fixed to uPVC traps with drip seal/m-seal/solvent cement joint complete in all respect. AS PER IS 13592	Each	50		
2.07	Providing and laying cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 stone aggregate 20mm and down gauge) 75mm in bed and around uPVC Pipes (soil and waste pipe). 110mm OD dia pipes under floor including centering and shuttering wherever required.				
a)	110mm Dia OD	Metre	25		
b)	40mm Dia OD to 63mm Dia OD	Metre	25		
2.08	Providing & fixing PVC clean out plug with suitable insert keys for opening in: brass cap, male threaded joint with threaded uPVC socket fixed to uPVC pipe joints as required complete in all respects.				
a)	75 mm dia.	Each	4		
b)	110 mm dia.	Each	12		
2.09	Providing and fixing 125 mm dia, 3 mm thick stainless steel grating with frame for floor traps or drains of required pattern including cutting and making good the floors complete.	Each	66		
2.10	Providing and fixing 125 mm dia, 3 mm thick stainless steel Anti Cockroach grating with frame for floor traps or drains of required pattern including cutting and making good the floors complete.	Each	66		
2.11	GI PIPE FOR SUMP RISER / DRAINAGE Providing, fixing and testing GI pipes Class 'C' (Heavy duty) of approved make conforming to IS 1239-1982 complete with G.I. fittings such as tees, crosses, plugs, sockets, elbows, reducers, unions, sleeve pieces, check nuts etc including Painting, jointing with C.I. pipes (wherever required), cutting & making good the walls, floors, R.C.C. work etc. including cutting chases & filling the same. 80 mm dia	RM	15		
2.12	Providing and fixing G.I reducer/hopper/elbow (Floor Drain) of 100 x 50mm, complete as per instructions of the Engineer in charge.(grating and G.I pipe to be paid separately)	Each	8		
2.13	Providing and fixing 100mm dia G.I. inlet fitting consisting of 100mm dia main G.I pipe with multiple G.I. sockets (Inlets) of required diameter welded to it (as per site requirement) and fixing the same to C.I trap and setting in cement concrete, complete as per instructions of the Engineer in charge.	Each	16		
TOTAL OF SUB HEAD II - SOIL,WASTE & VENT WATER PIPES CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
SUB HEAD III - RAIN WATER PIPES					
3.01	Providing and fixing 100mm diameter and 60cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand) Stone ware spout	Each	12		
3.02	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 10mm gap for thermal expansion (i) Single socketed pipes 6 Kg /cm ² Pressure				
a)	110 mm diameter	Metre	120		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
3.03	providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water conforming to IS 13592 Type A including jointing with seal ring conforming to IS 5382 leaving 10mm gap for thermal expansion				
a)	Single pushfit coupler 110mm	Each	8		
b)	Single tee with door 110 x 110 x 110mm	Each	32		
c)	Bend 87.5° 110mm	Each	8		
d)	Shoe (Plain) 110mm shoe	Each	8		
3.04	Providing and fixing unplasticid PVC pipe clips of approved design to un plasticised PVC rain water pipes by means of 50 x 50 x 50mm hard wood plugs, screwed with MS 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.	Each	50		
3.05	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15cm diametre and weighing not less than 440 grams.	Each	8		
3.06	Making khurras 45x45 cm. with average minimum thickness of 55 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) over PVC sheet 1mx1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 fine sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete	Each	8		
TOTAL OF SUB HEAD III - RAIN WATER PIPES CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
SUB HEAD IV - INTERNAL WATER SUPPLY					
4.01	Providing & fixing GI pipes complete with GI fittings including trenching and refilling etc. External work 25mm dia nominal bore	Metre	96		
4.02	Providing & fixing GI pipes complete with GI fittings and clamps, including cutting & making good the walls etc. Internal work- Exposed on wall				
a)	15mm nominal bore	Metre	200		
b)	20mm nominal bore	Metre	120		
c)	25mm nominal bore	Metre	120		
d)	32mm nominal bore	Metre	170		
4.03	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m 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.				
a)	15mm nominal outer dia pipes	Metre	320		
b)	20mm nominal outer dia pipes	Metre	208		
c)	25 mm nominal outer dia pipes	Metre	208		
4.04	Providing and fixing thermal insulation over hot water pipes with 9mm thick thermaflex or approved equivalent thermal insulation tubing, a elastomeric flexible material having hermetic blister closed cell structure of expanded synthetic rubber having a thermal conductivity not exceeding 0.040w/mk @ 40 deg C over pipes with Aluminium Cladding/ protective coating of FRP following sizes including all required accessories complete as per Manufacture's specifications .				
a)	15 mm dia	Metre	180		
b)	20 mm dia	Metre	60		
4.05	Providing & fixing brass stop cock of approved quality .				
a)	15 mm nominal bore	Each	40		
b)	20 mm nominal bore	Each	20		
4.06	Providing and fixing gun metal gate valve with CI wheel of approved quality (Screwed end):				
a)	25mm nominal bore	Each	32		
b)	32mm nominal bore	Each	8		
4.07	Providing & fixing ball valve (brass) of approved quality , High or low pressure, with plastic floats complete. 25mmdia nominal bore	Each	8		
4.08	Painting GI pipes and fittings with synthetic enamel paint over a ready mixed priming coat, both of approved quality for new work.				
a)	15mm nominal bore	Metre	200		
b)	20mm nominal bore	Metre	120		
c)	25mm nominal bore	Metre	120		
d)	32mm nominal bore	Metre	170		
4.09	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, out let and overflow pipes but without fittings and the base support for tank.	per ltrs	16000		

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
4.10	Providing & fixing C.I double air valve of approved quality with bolts , nuts , rubber insertion etc complete (The tail pieces , tapers etc if required will be paid separately) 25 mm dia	Each	16		
4.11	Providing and fixing enclosed type water meter (bulk type) conforming to IS 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) 25mm dia nominal bore	Each	16		
4.12	Painting GI Pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality: 25mm nominal bore	Each	96		
4.13	Providing and fixing GI Union in GI pipe including cutting and threading the pipe and making long screws etc. complete (New Work) 15mm nominal bore 20mm nominal bore 25mm nominal bore 32mm nominal bore	Each Each Each Each	12 10 20 12		
4.14	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: 25 to 40mm nominal bore	Each	16		
4.15	Providing and fixing Gun metal non return valve of approved quality (Screwed end): 25mm nominal bore horizontal	Each	16		
4.16	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main: 25mm nominal bore	Each	16		
TOTAL OF SUB HEAD IV - INTERNAL WATER SUPPLY CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
SUB HEAD V - SEWERAGE & DRAINAGE SYSTEM					
5.01	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete a) 150 mm diameter	Metre	80		
5.02	Providing and laying Non pressure NP2 RCC Pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing and jointing etc complete. a) 150mm dia RCC Pipe	Metre	50		
5.03	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) all-round stone ware pipes including in bed concrete as per standard details. a) 150 mm diameter	Metre	496		
5.04	Providing and fixing square mouth S.W. gully trap class SP-1 complete with C.I. Grating brick masonry chamber with bricks of class designation 7.5 and water tight C.I. Cover with frame of 300x300 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 . 150x100 mm size P type a) With common burnt FPS (non modular) bricks class designation 7.5	Each	12		
5.05	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) R.C.C. top slab 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. a) Inside size 90x80 cm and 45 cm deep including CI Cover with frame (light duty as per IS:12592) 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) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	12		
5.06	Extra for depth for manholes Size 90 x 80 cm With common burnt clay F.P.S (non modular) . bricks class designation 7.5	Metre	2		
5.07	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement :4 coarse sand) including 500x450 mm precast RCC horizontal grating with frame complete as per standard design . With F.P.S bricks	Each	8		
5.08	Excavating trenches of required width for pipes, cables etc. Including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5M including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cms 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 Hard/dense soil. All kind of soil Pipes, cables etc, exceeding 80mm dia but not exceeding 300 mm dia	Metre	76		
TOTAL OF SUB HEAD V - SEWERAGE & DRAINAGE SYSTEM CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
SUB HEAD VI - PUMPS AND EQUIPMENTS					

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
6.01	Supplying, installing, testing and commissioning submersible type of pump with all necessary standard fittings and accessories adequate capacity of motor i/c like base plate, bend, tee etc. and flow control devices, suitable for well dia 150mm and meeting the following requirement all complete with guide wire for lifting and lowering of pump, Galvanized lifting chain, etc. as per specifications. The pump shall be complete with automatic built-up water level controller with necessary starter panel with length of control / power cable upto the panel. . Complete in all respect & giving it to working condition.				
	No. of Pumps: (1 Working)				
	Capacity : 40 lpm				
	Head : 45m	Each	2		
6.02	Supply and installation of solar water heating system with suitable flat plate collectors (MNRE approved) with M.S. Tank with double layer Epoxy coating insulated storage tank support stands for both collector and storage tank , gate valves -1 no. NRV-1 no, temperature gauges -2 Nos., water meter - 1 no strainer -1 no air vent -1 no, including system internal piping with GI pipes B class with insulations , civil works including installations of 125LPD Capacity including all connections complete in all respects.	Set	16		
TOTAL OF SUB HEAD VI - PUMPS AND EQUIPMENTS CARRIED OVER TO SUMMARY OF PLUMBING WORKS					
TOTAL PLUMBING WORKS					
D	LIFTS				
1	Design, Manufacture, Supply & Installation, testing, commissioning and handing over in satisfactory working condition of Machine Room Less (MRL) Lifts including the cost of providing free comprehensive maintenance for one year after handing over complete as per Technical specifications specified above				
	1 (one) No Passenger Lift with 6 passenger /408-476 kg capacity, 0.65 to 1.00 mps speed, ACVVV Microprocessor Based control /Microprocessor based Control, Gearless Full collective operation, Collective/ Selective control Operation with ARD feature a) 5 stops (Still, Ground Floor , 1ST Floor, 2nd Floor and 3rd Floor) all on same side, travel 15000 mm approx				
i	Plot No, C-12, Inderpuri, New Delhi	Nos	1		
ii	Plot No, C-15, Inderpuri, New Delhi	Nos	1		
TOTAL OF LIFTS CARRIED OVER TO SUMMARY OF GRAND SUMMARY OF QUOTATION					
E	DISMANTLING and DEMOLISHING				
	Dismantling and demolishing and Buy Back of serviceable material				
	The contractor shall conform to the provisions of all local bye- laws and acts relating to the dismantling and demolition work and to regulations etc. of the government and local authorities including cordoning off the property from the neighbouring properties with proper arrangement etc including providing and fixing pre-coated MS/ Zinc sheet barricade with proper support structure to avoid dust, noise to the occupants of neighbouring buildings etc.				
	Dismantling and demolishing completely manually /mechanically the existing buildings at C-12 and at C-15 INDERPURI consisting of super structure including basements , plinth, boundary wall , underground footings/ foundations, pipes , services , fittings ,fixtures etc including buy back of dismantled materials on lump sum basis and on as is where is basis including removing the same (both serviceable and unserviceable) from site complete in all respect as per direction.				
	Total payable to owner after accounting for cost of demolition and disposing of the debris and other unserviceable material to the municipal ground carried over to GRAND SUMMARY OF QUOTATION	Lumpsum			

* GST CHARGES ARE EXCLUDED

A SUMMARY OF CIVIL WORKS		Amount (Rs)
S. No.	Description	
1	SECTION-A EARTH WORK	
2	SECTION-B CEMENT CONCRETE AND BASEMENT WATERPROOFING	
3	SECTION-C REINFORCEMENT CEMENT CONC.	
4	SECTION -D BRICK WORK	
5	SECTION-E WOODWORK /STEEL - STRUCTURAL STEEL / ALUMINIUM/ UPVC WORKS	
6	SECTION- F (FALSE CEILINGS)	
7	SECTION-G FLOORING / WALL CLADDING/ STONE WORK	
8	SECTION -H ROOFING	
9	SECTION -I FINISHING	
10	SECTION- J EXTERNAL DEVELOPMENT	
	Total of civil works	
Total of civil works carried over to Grand Summary		

* GST CHARGES ARE EXCLUDED

B SUMMARY OF PLUMBING WORKS		Amount (Rs)
S. No.	Description	
1	SUB HEAD I - SANITARY FIXTURE & FITTINGS	
2	SUB HEAD II - SOIL, WASTE , VENT WATER PIPES	
3	SUB HEAD III - RAIN WATER PIPES	
4	SUB HEAD IV - INTERNAL WATER SUPPLY	

S.Nos.	Description of Item	Unit	Qty	Rate (Rs)	Amount (Rs)
5	SUB HEAD V - SEWERAGE & DRAINAGE SYSTEM				
6	SUB HEAD VI - PUMPS AND EQUIPMENTS				
Total of Plumbing works carried over to Grand Summary					

* GST CHARGES ARE EXCLUDED

C SUMMARY OF ELECTRIC WORKS		Amount (Rs)
S. No.	Description	
1	M.V. SWITCH GEARS & DISTRIBUTION BOARDS:	
2	WIRING	
3	CABLES:	
4	EARTHING :	
5	LIGHTING FIXTURES:	
6	DATA / VOICE WIRING SYSTEM :	
7	CCTV SYSTEM :	
Total of Electric Works carried over to Grand Summary		

* GST CHARGES ARE EXCLUDED

GRAND SUMMARY		
S.NO	GRAND SUMMARY OF QUOTES	Amount (Rs)
A	TOTAL COST OF CIVIL WORKS	
B	TOTAL COST OF ELECTRICAL WORKS	
C	TOTAL COST OF PLUMBING WORKS	
D	LIFTS	
	Total A+B+C+D	
E	TOTAL AMOUNT PAYABLE TO THE OWNER AFTER ACCOUNTING FOR THE COST OF DEMOLISHION AND DISPOSING OFF THE DEBRIS AND OTHER UNSEWISABLE MATERIAL TO THE MUNICIPAL GROUND	
	BIDDERS QUOTE (A+B+C +D) - (E)	

BIDDERS QUOTE IN WORDS

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BIDDERS SIGNATURE

BIDDERS NAME

BIDDERS SEAL

* GST CHARGES ARE EXCLUDED