

PROJECT :- Double Story LGSF Structure For School of Pharmaceutical Education & Research					
BOQ - CIVIL WORKS					
Sl. No.	DESCRIPTION	UNIT	QTY.	RATE	Amount
A	<u>EARTH WORKS</u>				
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
i	All kinds of soils	Cum	176.00		
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
i	Ordinary rock	Cum	10.48		
3	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 cm in depth ,including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed by EIC, within a lead of 50 m.				
a	All kinds of soil.				
i	Pipes, cables, etc. exceeding 80mm dia but not exceeding 300mm dia.	RM	50.00		
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	176.00		
5	Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.	CUM	172.54		
6	Supplying chemical emulsion in sealed containers including delivery as specified				
i	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	litre	49.00		
7	Anti termite treatment				
	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
a)	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				
i	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration.	Sqm	495.00		
	TOTAL (Carried Over to Summary of Civil Works)				
B	<u>REINFORCED CEMENT CONCRETE WORK</u>				
1	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	37.80		
b	Suspended floors, roofs, landings, balconies and access platform.	Sqm	15.61		
c	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	165.93		
d	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	121.68		
e	Stairs, (excluding landings) except spiral-staircases.	Sqm	20.78		
f	Edges of slabs and breaks in floors and walls				
g	Under 20 cm wide	metre	206.00		
2	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth & above plinth level.				

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a	Thermo-Mechanically Treated bars.	KG	6135.17		
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
	(Note :- Cement content considered in this item is @ 330 kg/Cum. Excess/less cement used as per design mix is payable/recoverable separately).				
i	All works upto plinth level.	Cum	35.61		
ii	All works above plinth level upto floor V level.	Cum	138.54		
	TOTAL (Carried Over to Summary of Civil Works)				
C	CONCRETE WORKS				
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
i	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)	CUM	10.00		
ii	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	CUM	58.19		
2	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	Sqm	39.51		
3	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	per 50 kg cemen	10.11		
4	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	39.51		
5	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	Sqm	44.10		
	TOTAL (Carried Over to Summary of Civil Works)				
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:				
i	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	3.45		
2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
i	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	16.21		
3	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level.				
i	cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	5.00		

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4	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry (with F.P.S. bricks).	Sqm	5.00		
TOTAL (Carried Over to Summary of Civil Works)					
E	<u>MARBLE & GRANITE WORK</u>				
1	Providing and fixing 18mm thick gang saw cut (pre-moulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm 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, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	Granite of any colour and shade				
i	Area of slab over 0.50 Sqm.(For Counter)	Sqm.	7.20		
2	Extra for fixing marble / granite stone over and above corresponding basic item, in facia and drops of width upto 150mm with epoxy resin baesd adhesive including cleaning etc. complete.	metre	12.00		
3	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/Stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edge etc. complete.	each	8		
4	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
i	Granite Stone of approved shade	Sqm.	1.91		
TOTAL (Carried Over to Summary of Civil Works)					
F	<u>WOOD & PVC WORK</u>				
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
i	Second class teak wood	Cum	0.15		
2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
i	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	24.00		
3	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sqm	24.00		
4	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	Rmt	35.00		

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5	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.				
i	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	1032.84		
6	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	24.00		
7	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.				
i	300 mm weighing not less than 200 gms	each	40.0		
8	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
i	1.0 mm thick	Sqm	48.00		
9	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	12.00		
10	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
i	300x10 mm	each	12.00		
11	Providing and fixing aluminium handles of approved make anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete.				
i	125mm	each	12		
12	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.				
i	Single rubber stopper	each	12.00		
13	Providing & fixing bright finished brass 100 mm mortice latch and lock ISI marked with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete.	each	12.00		
TOTAL (Carried Over to Summary of Civil Works)					
G STEEL WORK					
1	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer , but excluding the cost of other fittings, complete all as per approved design (sectional weight of only steel members shall be measured for payment).				
i	Fixing with 15x3 mm lugs 10 cm. long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	1032.84		

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2	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete.				
i	With 4.0 mm thick glass panes.	Sqm	120.00		
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				
ii	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	523.32		
TOTAL (Carried Over to Summary of Civil Works)					
H	FLOORING WORK				
1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.				
i	40mm thick with 20mm nominal size stone aggregate.	Sqm	15.00		
2	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
i	Light shade pigment using white cement	Sqm	5.00		
3	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :				
i	Udaipur green marble	sqm	35.00		
5	Kota stone slabs 25 mm thick in Tread/risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	5.00		
6	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	Metre	78.45		
8	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	sqm	125.00		
9	Providing & Laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and confirming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc, complete. Including Grouting in joints upto 3mm.				
i	Size of Tile 600x1200 mm	sqm	650.00		
ii	Size of Tile 600x600 mm(Anti skid/Matt Finish)	sqm	65.00		
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I	ROOFING				

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Sl. No.	DESCRIPTION	UNIT	QTY.	RATE	Amount
1	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
i	In 75x75 mm deep chase	metre	5.00		
2	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	5.00		
3	Providing and fixing on wall face unplastised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
i	110 mm diameter	rmt.	135.00		
4	Providing and fixing on wall face unplastised - PVC moulded fittings/ accessories for unplastised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
a)	Coupler				
i	110 mm	Each	32		
b)	Bend 87.5°				
i	110 mm bend	Each	16		
c)	Shoe (Plain)				
i	110 mm Shoe	Each	32		
5	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval,				

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	including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square				
i	12.5 mm thick tapered edge gypsum board.	sqm	185.00		
MINERAL FIBRE BOARD FALSE CEILING					
ii	Providing and erecting false ceiling of mineral fiber ceiling board of approved make with framework, runners, cross runners & suspenders from the existing ceiling as per the manufacturers details and specification and 600mm x 600mm x 15mm thick tiles of approved design, texture & in microlook pattern including the grids in black /white silhouette pattern, 15 mm as per manufacturers specifications complete including making necessary cut-outs for electrical fixtures, AC diffusers, access, etc. as per the instructions of the architect.				
	Approved premium tile in dune RH microlook or equivalent approved category with black silhouette locking supporting system, 15 mm grid. The rate shall also include providing & fixing in position 50 mm high axiom with all its associated accessories as per manufacturers specifications & standards etc. complete. Rate to also include providing & fixing additional 6 mm thk. commercial ply backing on mineral fibre modular false ceiling tiles of support light fitting, speakers, CCTV cameras etc. in grid work wherever directed.	sqm	575.00		
METAL GRID TILE FALSE CEILING					
iii	Providing and fixing Micro perforated 600mm X 600mm tiles of 0.7mm thickness as per IS :2676 (1981) in global white colour with concealed suspension system having a bevelled edge of 3mm x 3mm and height 33 mm on one side and 18 mm on the other side. The tiles have perforation of diameter (hole) as 1.8 mm and open area as 20% with linear and diagonal pitch of 5 mm and 3.5 mm respectively along with a border of 9 mm. The tile shall be electrostatically polyester powder coated using ROHS compliant powder having coating thickness ranging from 60-80 microns. The item includes all necessary cut outs for electrical /air conditioning grills and necessary frame work for them. Item includes cove and curve designs.	sqm	55.00		
TOTAL (Carried Over to Summary of Civil Works)					
K	SANITARY				
	FITTINGS				
1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	W.C. pan with ISI marked white solid plastic seat and lid	EA	8.00		

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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:				
	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	EA	8.00		
3	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	EA	8.00		
4	Providing and fixing Stainless Steel A Isi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
7514	510x1040 mm bowl depth 225 mm	EA	2.00		
5	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	EA	8.00		
6	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	EA	4.00		
7	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	EA	4.00		
L	DRAINAGE				
	NOTE :- The rates given for all the items under sub-head ' Drainage' are applicable to work executed in soils above sub- soil water level. Extra allowance has to be made for work under sub- soil water level.				
	Soil pipes				
	Providing & fixing UPVC soil pipes confirming to IS:1729 fixed on walls with G.I. clamps embedded in cement concrete blocks of 1:2:4 (1 cement :2 coarse sand :4 stone aggregate) including filling the joints with specialised jointing solutions including cutting holes and making good the walls etc. item includes Providing and fixing UPVC pipes specials such as door bend, horn bend, plain bend, cowl, sockets, door "T", 'Y' and 'T' junctions (both single and double etc. including fixing with cement jute admixture complete as directed				
	For 100mm pipes	R.Mtr	65.00		
	Waste pipes				

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	Providing & fixing PVC soil pipes conforming to IS:1729 fixed on walls with G.I. clamps embedded in cement concrete blocks of 1:2:4 (1 cement :2 coarse sand :4 stone aggregate) including filling the joints with specialised jointing solutions including cutting holes and making good the walls etc. item includes Providing and fixing UPVC pipes specials such as door bend, horn bend, plain bend, cowls, sockets, door "T", 'Y' and 'T' junctions (both single and double etc. including fixing with cement jute admixture complete as directed				
	For 80 mm pipes	R.Mtr	70.00		
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00m 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. (NOTE: Concealed work, including cutting chases and making good the walls etc.)				
	25 mm nominal outer dia Pipes	R.Mtr	63.00		
	40 mm nominal outer dia Pipes	R.Mtr	10.00		
	50 mm nominal outer dia Pipes	R.Mtr	15.00		
	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	15 mm nominal bore	EA	8.00		
	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931				
	15 mm nominal bore	EA	8.00		
	Providing and placing on terracopolyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
	circular Tank	Litres	5000.00		
	Supplying and fixing Gun metal Non Return Valve of approved quality for water tank.				
	40mm nominal bore horizontal	EA	5.00		
	TOTAL (Carried Over to Summary of Civil Works)				
J	FINISHING WORK				
1	12 mm cement plaster of mix :				
i	1:4 (1 cement: 4 coarse sand)	sqm	85.00		
2	15 mm cement plaster on rough side of single or half brick wall of mix :				
i	1:6 (1 cement: 6 coarse sand)	sqm	135.00		
5	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	220.00		
6	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
i	New work (two or more coats) over and including water tinnable priming coat with cement primer	sqm	220.00		
8	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
i	Two or more coats on new work	Sqm	132.00		
9	Finishing walls with textured exterior paint of required shade :				

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i	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm (Make-Oikos, Finish as per selection by Architect)	Sqm	638.00		
10	Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
i	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or	Sqm	25.00		
11	Applying priming coat :				
i	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	15.00		
12	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
i	Two or more coats on new work	sqm	146.10		
K	ALUMINIUM WINODOWS				
	Providing and fixing Polyster Powder coated aluminium (minimum thickness of powder coating 50 micron) aluminium work for sliding windows 2 track, with ventilators in extruded built up standard tubular sections and other sections of approved make conforming to IS : 733 and IS : 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber /neoprene gasket, etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / paneling, C.P. brass /stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge/ Architect. (Glazing to be paid for separately).	KG	615.00		
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L	WATER PROOFING				

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BOQ - CIVIL WORKS					
Sl. No.	DESCRIPTION	UNIT	QTY.	RATE	Amount
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: 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 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 Engineerin-Charge :				
i	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sq.Mt.	60.42		
	TOTAL (Carried Over to Summary of Civil Works)				