

## BILL OF QUANTITIES

S.No	Description	Qty.	Unit	Rate	Amount
<b>4</b>	<b>DPC &amp; MASONARY WORKS</b> <b>All Items under this head to be carried out as per specification, drawings, relevant BS/ASTM standards and complete in all respects and entire satisfaction of the Engineer.</b>				
4.1	Providing and laying 50 mm thick damp proof course with 3000 psi cement concrete cast in situ using graded crushed stone/crushed of 19 mm and down gauge & clean river sand using & mixing water proof agent (Pudlo or approved equivalent) 1.70 Kg/sm in concrete including compacting, curing, form work and its removal etc., over complete drying and cleaning the surface. complete in all respects as per drawing & specification and all works to the satisfaction of the Engineer.	95	Sq.m		
4.2	Providing and laying machine made (1000-Psi) CC solid block masonry of approved quality, setting in cement sand mortar, including scaffolding, raking out the joints, curing, wedges, strips, M.S. anchors from RCC columns / walls at every third layer horizontally and 1 meter vertically, installing of wooden / PVC / steel sleeves for openings (sleeves to be provided by utility Contractors), hacking of existing surface for bonding where necessary, etc. complete in all respect as per specifications and drawings and as directed by the Engineer. Note: M.S. anchors, wedges, strips & other steel/reinforcement bars will be paid separately.				
a)	300mm thick (for Steps)	1	Cu.m		
b)	200mm thick	242	Cu.m		
c)	100mm thick	27	Cu.m		
4.3	Providing and laying mild steel reinforcement bars / hoop iron reinforcement / milled steel flat wall ties in above block work, straightening, removing twists, cutting, bending, binding, wastage, overlaps, placing holding in position tying with binding wire, cost of wire, including all leads & lifts etc., complete in all respects as per drawing, standard, specifications and direction of the Engineer.	900	Kg.		
	<b>Carried to Civil Summary</b>				
<b>5</b>	<b>THERMAL &amp; MOISTURE PROTECTION</b>				
5.1	Providing and applying three coats of 2 component flexible polymer modified cementations water proof coating AQUAFIN-2C /BASF / Sika or approved equivalent over RCC slabs and walls of any wet area e.g. Baths, Kitchens, Balcony's etc., at any height in any floor as per manufacturer's specifications & recommendations complete in all respects as per drawings, relevant specifications and as directed by the Engineer.		Sq.m		
	<b>Carried to Civil Summary</b>				

S.No	Description	Qty.	Unit	Rate	Amount
6	<b>METAL WORK</b>				
	<b>G.I Door Frame</b>				
6.1	Providing and fixing G.I. molded steel door frames of 50mm wide manufactured from galvanized iron steel sheet of 16 gauge having single/double rebate size 38mm x 12mm, with holes and threads for fixing 3 Nos, 100mm long steel hinges, fitted with one locking box treated with special red oxide primer coat all around including cutting holes and filling the cavity with cement concrete 1:2:4 etc. in any floor at any height complete in all respects as per drawings, relevant specifications and as directed by the Engineer.  150mm wide	257	Rm		
	<b>Paint on Steel and Iron Work</b>				
6.2	Providing & applying ICI/Berger or equivalent approved colour synthetic enamel paint, three coat on steel and iron work over including surface preparation, removing rust, scales with wire brush where required etc., complete in all respects as per drawing, standard, specifications and direction of the Engineer.	64	Sq.m		
	<b>Aluminium Windows &amp; Ventilators</b>				
6.3	Providing and fixing fully glazed Bronze anodized or powder coated <b>aluminum Sliding / fixed &amp; openable /Top hung windows &amp; ventilators</b> as per British standard manufactured by Pakistan cable, Lucky, Krudson or approved equivalent (fixing through their approved fabricators) deluxe model box section 95mm x 30mm and 2mm thick including the cost of aluminum netting ,fittings, gaskets with all required accessories & hardware (Hinges/roller, handle, stay, lock, weather strip etc..) 5mm thick distortion free clear local glass, silicon sealant to all junction of CC/RCC member & windows to give water/wind proof, cutting /drilling holes and making good damages to walls etc. complete in all respects as per drawings, relevant specifications and as directed by the Engineer.	40	Sq.m		
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<b>7</b>	<b>DOORS &amp; WINDOWS WORKS</b>				
7.1	Providing, Making & fixing in position 38mm (1-1/2") thick solid core approved colour <b>Formica finish flush door</b> shutters with & without vision panel. Comprising of 6mm thick lamination sheet (manufacturer pressed lamination sheet over lasani board) on either side, over all around best quality Partal or approved wood frame 50mm wide horizontal, vertical & cross /diagonal & 150mm wide lock rail in full length, hollow area except framing to be filled with the approved rough wood, 38mm x 13mm (1-1/2" x 1/2") thick Golden teak wood edge lipping all around. The door shutter mechanically pressed by standard manufacturers under power driven hydraulic press as approved by the Engineer, including polish, nails, glue or any required hardware's and applying solignum for termite treatment, at any height & any floor etc., complete in all respects as per drawing, standard, specifications and direction of the Engineer. <b>(Note: Cost of Ironmongery such as Hinges, Tower bolts, Locks, Handles, kick &amp; push plate etc. paid in Separate item.)</b>	95	Sq.m		
7.2	Providing and fixing best quality golden teak wood projected beading 50mm x 10mm in sections and required design fixed around the panels of doors, windows, including two coats of polish finished with all required hardware's etc., of any description, complete in all respect as per drawings, specification and as directed by the Engineer.	257	Rm		
7.2	Providing and fixing in position as per drawings & joinery schedule all of "New ISE" Hong Kong, New Star Japan or approved equivalent make as per relevant drawings, contractor to submit the sample / shop drawings for approval prior to execution etc., complete in all respects as per drawing, standard, specifications and direction of the Engineer.				
i	Motorized Door Lock complete set (Lock body, Cylinder & Liver handle) for main door & rooms.	50	Nos.		
ii	SS Tower Bolt 8" long	50	Nos.		
iii	SS Door stopper	16	Nos.		
7.3	Providing making and fixing in position <b>floor mounted lower cabinets</b> made of 3/4" thick laminated MDF i/c all around Oak wood lipping, rough wood frame, complete with all accessories i.e. imported magnetic hinges, locks, catchers, best quality handles etc. including termite treatment using termite liquid and (Lacquer polish treatment as separately paid item) complete in all respects (at any height / floor) as per drawing, specifications, and or as directed by the Engineer. (Front face will be measured for payments)	23	Sq.m		
7.4	Providing making and fixing in position <b>wall mounted upper cabinets</b> made of 3/4" thick laminated MDF i/c all around Oak wood lipping, rough wood frame, complete with all accessories i.e. imported magnetic hinges, locks, catchers, best quality handles etc. including termite treatment using termite liquid and (Lacquer polish treatment as separately paid item) complete in all respects as per drawing, specifications, and or as directed by the Engineer. (Front face will be measured for payments)	20	Sq.m		
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S.No	Description	Qty.	Unit	Rate	Amount
<b>8</b>	<b>FLOOR FINISHES</b>				
8.1	Providing and laying 1:5:10 cement concrete bed under floors using graded Crushed Aggregate 3/4 & down gauge with levelling, ramming, watering and curing etc. complete in all respects and as per drawing, standard, specifications and direction of the Engineer. (under flooring of Marble, Mosaic & Porcelain tiles etc..).	34	Cu.m		
8.2	Providing and laying approved Pakistani made Glazed/ unglazed/ Matt ceramic tiles in floor with different sizes, colour and pattern in any floor & any height including & over 1" (25mm) thick cement sand mortar 1:3, setting the tiles in slurry of grey cement over mortar, filling the joints/grouting with approved grouting material, complete in all respects and as per drawing, standard, specifications and direction of the Engineer. Base Price of tile Rs.1600 per Sq.M. (It may be noted that increasing /decreasing in the rate shall be made accordingly).	89	Sq.m		
	<b>Marble Tile</b>				
8.3	Providing and fixing Marble tiles flooring 300mm x 300mm/300mm x 600mm x 12mm thick Boticena Fancy marble tiles, fine dressed on the surface without windings in any floor & any height including & over 13 mm (1/2 inch) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar including filling the joints (grouting) and washing the tiles with white cement slurry & matching colour pigment, curing, finishing, grinding, rubbing, chemical polishing etc. complete in all respects and as per drawing, standard, specifications and direction of the Engineer.	590	Sq.m		
8.4	Providing and laying 20mm thick pre-polished approved shade Boticena Fancy marble counter top/slab with bull nosing / chamfering, rounded edges, size not less than 1500mm x 600mm for vanity, kitchen counter or where required including & over 40mm thick RCC 1:2:4 slab set in 1:4 C.S mortar, fill the joints by approved grouting material, making hole for wash basin/sink, fixing in wall by cutting/chiseling in RCC/CC member, maintaining the line & level, curing etc., complete in all respects and as per drawing, standard, specifications and direction of the Engineer.	9	Sq.m		
	<b>Carried to Civil Summary</b>				

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S.No	Description	Qty.	Unit	Rate	Amount
<b>9</b>	<b>WALL FINISHES</b>				
9.1	Providing and applying 13mm thick C.S Plaster with 1:4 on internal wall & columns etc., including fixing of 200mm wide strip G.I. Wire Mesh 24 Swg thick at all junctions of concrete and masonry, hacking the concrete surfaces, scaffolding, corner beads etc. making edges, corners, grooves etc. All plaster to finish smooth flat in true line, level & plumb and properly cured Complete in all respects as per drawings, specifications and to the entire satisfaction of the Engineer.	2265	Sq.m		
	<b>Ceramic tile Dado &amp; Skirting</b>				
9.2	Providing and fixing approved Pakistani make, colour & size ceramic glazed tiles in dado and skirting in any floor & any height, including & over 13 mm (1/2 inch) thick base of cement mortar 1:4 setting of tiles in slurry of grey cement over mortar base including grouting with approve material the joints and washing the tile with white cement slurry curing and cleaning etc. complete .	377	Sq.m		
	<b>Marble tile Dado &amp; Skirting</b>				
9.3	Providing and fixing 300mm x 150 x 12mm (1/2") thick Pre-Polished Boticena Fancy marble tile skirting set in grey cement slurry including and over 13mm (1/2") thick cement sand mortar base 1:4 & curing etc., Complete in all respects as per drawings, specifications and to the entire satisfaction of the Engineer.	418	R.m		
9.4	Providing & applying three coats on all internal wall surface with (ICI) Deluxe Matt emulsion paint of approved shade including and over one priming coat, preparation of surface, filling depression with putty, rubbing, sand papering and cleaning etc. at any height in any floor, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	1888	Sq.m		
	<b>Carried to Civil Summary</b>				
<b>10</b>	<b>CEILING FINISHES</b>				
10.1	Providing and applying 13mm thick 1:6 C.S Plaster on ceiling staircase (waist slab, landings & steps) etc., hacking the concrete surfaces, scaffolding etc. All plaster to finish smooth flat in true line, level & plumb and properly cured Complete in all respects as per drawings, specifications and to the entire satisfaction of the Engineer.	617	Sq.m		
10.2	Providing and applying three coats of Oil Bound Distemper paint on ceiling, including and over one priming coat, preparation of surface, filling depression with putty, rubbing, sand papering and cleaning etc. at any height in any floor, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	617	Sq.m		
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S.No	Description	Qty.	Unit	Rate	Amount
11	<b>EXTERNAL FINISHES</b>				
11.1	Providing and applying 20mm thick Plaster with Grooves & drip course of C.S mortar 1:4 on external walls, columns or where required etc., using expanded metal mesh on cc & Rcc joints including hacking the concrete surfaces scaffolding corner beads, chamfered edges, rounding off corner etc. All plaster to finish smooth flat in true line, level & plumb and properly cured Complete in all respects as per drawings, specifications and to the entire satisfaction of the Engineer.				
	G.Floor	1350	Sq.m		
	Roof	285	Sq.m		
11.2	Providing and applying three coats of <b>weather shield paint</b> on external surface of approved colour shade including preparing the surface rubbing with sand paper, filling the voids with filling putti etc., at any height in any floor complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. (at any height in any floor)				
	G.Floor	1350	Sq.m		
	Roof	285	Sq.m		
11.3	Providing & laying pre-polished bull nosing approved quality Boticena Fancy marble for entrance steps, minimum on Tread 1800mm x 300 x 20mm thick and riser size 900 mm x 150mm x 10mm thick including & over 12mm thick base mortar 1:3, neat cement slurry & approved grouting material etc., complete in all respects as per specifications & relevant drawings and all works to be carried out the satisfaction of the Engineer.				
	i) Tread size 1800mm x 300 x 20mm thick	6	Sq.m		
	ii) Riser size 900 mm x 150mm x 10mm thick	3	Sq.m		
11.4	Providing and fixing Pre-cast C.C Jali of approved design, shape & thickness as shown in drawing, fixing with mortar 1:4, maintaining proper line & level etc, at any height & in any floor where required, as per drawing complete in all respect as per drawing, specifications and direction of the Engineer. at any hight & any floor.	24	Sq.m		
11.5	Providing, fabricating and fixing Fiber Glass Skylight approved design, shape, comprising of (MS angles, tubes, flat bars, MS bar, anchors bolts, rawal bolts, bolts, nuts, washer, screws, riveting) with fiber sheet 3mm thick of approved make, including all required accessories and painting with 3 coats of enamel paint over a special red oxide primer coat etc, complete in all respects as per drawing, standard, specifications and directed by the Engineer. Contractor is to be ensure stability of Skylight structure due to self weight (dead load) & high wind pressure & uplift etc.	370	Sq.m		
	<b>Horticulture Work</b>				
11.6	Providing, Spreading, stacking approved garden soil (sweet earth) free from salts, pabbles & roots. including mixing and breaking clods and dressing fine for grassing including disposal of rubbish as directed by the engineer, including all leads and lifts, complete in all respect.	5	Cu.m		
11.7	Providing, Spreading, well decayed cow dung manure and mixing the same up to any depth in the prepared bed including breaking clods, dressing fine for grassing, including, disposal of rubbish as directed by the engineer, including all leads and lifts, complete in all respect.	1	Cu.m		
11.8	Grassing fine by dribbling grass roots 3" apart including watering, weeding till such time the grass is set and becomes green and is fit for mowing, complete in all respect as directed by the engineer.	12	Sq.m		
	<b>Carried to Civil Summary</b>				

S.No	Description	Qty.	Unit	Rate	Amount
12	<b>ROOF FINISHES &amp; WATER PROOFING</b>				
12.1	Providing and laying 25mm thick average levelling CC screed over Rcc slab for achieving leveled surface with (1:4) cement sand mortar, complete in all respect and as per drawing & specification and to the entire satisfaction of the Engineer.	580	Sq.m		
12.2	Providing and laying in position Water proofing membrane PG-3000 or RL-G300 3mm thick from Pak Hy-Oils, Roofline or approved equivalent over above leveled surface including primer coating, overlapping (horizontal & vertical) complete as per manufacturer's specifications, instruction & as shown in the drawing etc., complete in all respects as per drawings, specification and as directed by the Engineer.	580	Sq.m		
12.3	Providing & laying in position 40mm thick Diamond jumbolon-Board from Diamond Foam or approved equivalent having density 35kg/cum, over above Water Proofing membrane with rebated edge as per manufacturer's specifications, instruction & as shown in the drawing etc., complete in all respects as per drawings, specification and as directed by the Engineer.	580	Sq.m		
12.4	Providing and laying 50mm thick (Avg.) minimum with 3000 psi strength concrete screed including BRC mesh 4" x 4" x 10 swg from Al-Burhan (Pvt) Ltd or approved equivalent in required slope curing, making ridges, valleys, chamfered edges etc. complete in all respects as per drawings, specifications and as directed by the Engineer.	580	Sq.m		
	<b>Carried to Civil Summary</b>				