

BILL OF QUANTITY

Name Of Work:						
Engineer Name:						
Tender Amount						
S.NO.	CODE NO.	DESCRIPTION OF WORK	QUANTITY	UNITS	RATE	AMOUNT(IN RS)
1		EARTHWORK				
	1.2	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	287.1	Sqm	7.2	2067.12
	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits				
	1.1.1	In all types of soils.	130.68	Cum	185	24175.8
	1.6	Extra for every additional lift of 1.5 m or part thereof.				
	1.6.1	All types of soils	43.56	Cum	211.5	9212.94
	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	326.057	Cum	371	120967.147
2		Cement Concrete(Plain & Reinforced)				
	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	8.712	Cum	2970	25874.64
	3.1.4	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	12.554	Cum	3552	44591.808
	3.3	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.				
	3.3.2	M-25 Grade	72.924	Cum	4298	313427.352

	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.	2.268	Cum	4237	9609.516
	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	32.13	Cum	93.5	3004.155
	3.4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	37.352	Cum	97.5	3641.82
3		REINFORCEMENT				
	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:				
	3.12.1	Thermo-Mechanically treated bars FE 415	8022	Kg	54.5	437199
4		FORM WORK				
	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	188.3	Sqm	139	26173.7
	2.1.5	Columns, Pillars, Piers and likes-rectangular or square in shape	93.6	Sqm	297	27799.2
	2.1.3	Window sills, anchor blocks, string course, bends, copings, bed plates and like.	16.08	Sqm	184	2958.72
	2.1.8	Beams, lintels, cantilevers & walls	148.93	Sqm	202	30083.86
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	116.78	Sqm	235	27443.3
	2.1.15	Stair cases of all types excluding spiral and folded plate type, including risers and landings	14.8	Sqm	230	3404

5		BRICK WORK				
	7.1	Brick work with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% in foundation and plinth in:				
	7.1.2	Cement Mortar 1:4 (1 Cement : 4 Coarse Sand)	39.025	Cum	4010	156490.25
	7.9	Half brick thick (9cm) brick masonry with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% upto plinth level:				
	7.9.2	Cement Mortar 1:4 (1 cement : 4 coarse sand)	68.26	Sqm	435	29693.1
	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	20.006	Cum	121	2420.726
	7.12	Extra for half brick work in superstructure above plinth level for every story or part thereof in addition to rate for upto plinth level:	68.26	Sqm	11	750.86
6		PLASTERING WORK				
	11.1	Providing and making 6mm thick cement plaster of mix				
	11.1.1	In Cement mortar 1:3 (1 cement : 3 fine sand)	138.16	Sqm	93	12848.88
	11.2	Providing and making 12mm thick cement plaster of mix:				
	11.2.2	In Cement Mortar 1:4 (1 cement : 4 fine sand)	272.73	sqm	103	28091.19
	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	11.3.2	In Cement Mortar 1:4 (1 cement : 4 fine sand)	339.93	sqm	120	40791.6
7		PAINTING WORK				
	14.5	White washing with lime to give an even shade				
	14.5.1	On new work (Three or more coats)	750.82	Sqm	9.4	7057.708
	14.1	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete				
	14.1.2	More than 2 mm thickness to make surface even and smooth in true plumb and line and level.	750.82	Sqm	93.5	70201.67
	14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.	750.82	Sqm	23	17268.86
	14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.				
	14.11.1	On new work (two or more coats)	550.38	sqm	52.5	28894.95

	14.16	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:				
	14.16.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	200.44	Sqm	74.5	14932.78
8		STEEL & ALUMINIUM WORK				
	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:				
	9.47.1	For fixed portion	65.74	Kg	331	21759.94
	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).	91.58	Kg	338	30954.04
	9.24	Providing and fixing tinted glass panes with steel glazing clips and special metal sash putty of approved make in steel doors, windows, ventilators:				
	9.24.3	6 mm thick	21.6	Sqm	923	19936.8
	9.34	Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete.	10.8	Sqm	791	8542.8

	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.	279.46	Kg	67.5	18863.55
9		Flooring				
	12.49	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)	20.27	Sqm	897	18182.19
	12.13	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), 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.				
	12.13.1	Size 600x600mm	120.74	Sqm	1151	138971.74
	12.10	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	12.10.1	Size 300x300mm	118.35	Sqm	858	101544.3
	12.45	15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)				
	12.45.3	Granite stone lakha red/ shahi red	23.56	Sqm	4200	98952
	12.44	Extra for nosing in Granite stone for treads.	33.15	m	126	4176.9

10		WOOD WORK				
	8.1	Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position				
	8.1.2	Sal, bijasal, benteak, khair, haldu	0.64	CUM	61051	39072.64
	8.6	Providing and fixing 40mm thick paneled or glazed or paneled and glazed shutter frames for doors excluding hinges and paneling. (Area of shutter to be measured without deducting paneling area)				
	8.6.2	Bijasal, benteak, khair, haldu	6.32	SQM	1768	11173.76
	8.12	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges				
	8.12.1	40 mm. thick (single leaf	15.19	SQM	2467	37473.73
	8.153	Providing and fixing 30 mm thick Glass Fibre Reinforced Plastic (FRP) paneled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 thick FRP laminate for panels confirming to IS: 14856 - 2000, complete.	5.09	SQM	2112	10750.08
	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:				
	8.60.1	300x16mm	16	EACH	475	7600
	8.62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:				
	8.62.1	250x10mm	31	EACH	276	8556

	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complet				
	8.65.1	125 mm	34	EACH	55.5	1887
	8.145	Providing and fixing magnetic catcher in cupboard / ward robe shutters including fixing with necessary screws etc. complete.				
	8.145.1	Triple strip vertical type	17	EACH	21	357
	8.73	Providing and fixing 150mm bright finished brass floor door stopper with rubber cushion & brass polished MS screws etc complete to suit the shutter thickness.	13	EACH	73	949
	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:				
	8.58.1	125x85x5.50 mm (Heavy Type)	52	EACH	245	12740
	8.74	Providing and fixing bright finished brass hard drawn hooks & eyes with brass polished MS screws etc complete.				
	8.74.1	300MM	4	EACH	84	336
	Total Cost Of The Building					2113856.12
	Insert 10 % electrification and sanitary items					211385.61
	TOTAL					2325241.73
	Add 3% contingency					69757.25
	Grand Total					2394998.99