

**ESTIMATE FOR Construction of First Floor of Damma Sala(2nd Phase) at University Vihara,
University of Peradeniya.**

ENGINEERS' ESTIMATE

01	SECTION I - CONCRETOR	2,145,400.00
02	SECTION II - REINFORCEMENT	604,450.00
03	SECTION III - FORM WORK	665,000.00
04	SECTION IV - MASONARY WORK	1,056,000.00
05	SECTION V - WALL AND SOFIT .FLOOR FINISHING	7,236,440.00
06	SECTION VI - PAINTING AND DECORATIVE	155,000.00
07	SECTION VII - CARPENTER AND JOINER	1,089,000.00
08	SECTION VII - ELECTRICAL INSTALLATION	700,000.00
09	SECTION IX - PLUMBER	600,000.00
10	SECTION XI - ROOFER	9,422,370.00
11	SECTION XII- MICERLANIOUS	300,000.00
	GRAND TOTAL	23,973,660.00

<u>GRAND SUMMERY</u>		
	WORK DONE	23,973,660.00
	GRAND TOTAL	23,973,660.00
	PHYSICAL CONTENGENCIS - (Approx. 10%)	2,397,366.00
	PRICE FLUCCUATION - 3%	719,209.80
	PROJECT GRAND TOTAL	27,090,235.80
	ADD FOR VAT 15%	4,063,535.37
	PROJECT GRAND TOTAL	31,153,771.17

Prepared by :

Construction of First Floor of Damma Sala(2nd Phase) at University Vihara, University of Peradeniya.

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
SECTION I - CONCRETOR					
	Mixing and placing in position concrete grade 25, nominal mix 1:1 1/2:3 (20mm) using a concrete mixer including fuel / operator / handling/vibrator.				
01	In Column Shaft	m3	11.90	68,000.00	809,200.00
02	In Roof beam	m3	2.90	68,000.00	197,200.00
03	In Slab beam	m3	3.80	68,000.00	258,400.00
04	In Slab	m3	12.95	68,000.00	880,600.00
Sub Total carry to summery					2,145,400.00
SECTION II - REINFORCEMENT					
	Tor steel reinforcement bend to shape laid in position and tied with G.I. wire as directed.				
05	In Column Shaft	kg	560.00	550.00	308,000.00
06	In Roof beam	kg	207.00	550.00	113,850.00
07	In Slab beam	kg	266.00	550.00	146,300.00
08	In Slab	kg	0.00		
	Mild steel reinforcement bend to shape laid in position and tied with G.I. wire as directed.				
09	In Column Shaft	kg	39.00	550.00	21,450.00
10	In Roof beam	kg	12.00	550.00	6,600.00
11	In Tie beam	kg	15.00	550.00	8,250.00
Sub Total carry to summery					604,450.00
SECTION III - FORM WORK					
	Sawn timber formwork in Plywood timber for column base,column shaft , Slab and Slab beams ,staircase , plinth beam, etc. rate including props .battons and purings.				
12	In Column Shaft	m2	175.00	2,500.00	437,500.00
13	In Roof beam	m2	40.00	2,500.00	100,000.00
14	In Slab beam	m2	51.00	2,500.00	127,500.00
Sub Total carry to summery					665,000.00

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
	SECTION IV- MASONARY WORK				
15	Brick work in 1:5 Cement Sand Mortar 225mm thick (nominal) Large brick In First Floor.	m3			
	In First Floor	m2	330.00	3,200.00	1,056,000.00
	Sub Total carry to Summery				1,056,000.00
	SECTION V - WALL AND SOFIT ,FLOOR FINISHING				
16	16mm thick cement, lime and sand 1:1:5 plaster finished semi-rough with wooden float.rate including walls,column ,beam concrete surface in external wall.				
	In First Floor	m2	250.00	1,100.00	275,000.00
17	16mm thick cement, lime and sand 1:1:5 plaster finished smooth with lime putty on walls, columns & beams and concrete surface in internal wall				
	In First Floor	m2	420.00	1,100.00	462,000.00
18	1:1:5 cement, lime and sand plaster to reveals 35mm to 150mm wide finished semi-rough.				
	In First Floor	m	152.00	320.00	48,640.00
19	1:1:5 cement, lime and sand plaster reveals 35mm to 150mm wide finished smooth with lime putty.				
	In First Floor	m	240.00	320.00	76,800.00
	<u>All tiles should be Lanka tile or equivalent approved by the Engineer</u>				
20	Floor paved with approved pattern and colour (homogeneous /porcelain /ceramic) semi glazed floor tiles on 1:3 cement mortar, joints filled with tile grout, to match the colour of tiles and cleaning. (Tile rate included)				
	In First Floor	m2	500.00	9,500.00	4,750,000.00

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
21	Floor paved with approved pattern and colour (homogeneous /porcelain /ceramic) Matt floor tiles on 1:3 cement mortar, joints filled with tile grout, to match the colour of tiles and cleaning. (Tile rate included)				
	In First Floor	m2	120.00	9,500.00	1,140,000.00
22	Floor paved with approved pattern and colour (homogeneous /porcelain /ceramic) semi glazed floor tiles on 1:3 cement mortar, joints filled with tile grout, to match the colour of tiles and cleaning. (Tile rate included) <i>for Skirting</i>				
	In First Floor	L.m	140.00	2,200.00	308,000.00
23	Floor paved with approved pattern and colour (homogeneous /porcelain /ceramic) matt floor tiles on 1:3 cement mortar, joints filled with tile grout, to match the colour of tiles and cleaning. (Tile rate included) <i>for Skirting</i>				
	In First Floor	L.m	80.00	2,200.00	176,000.00
Sub Total carry to Summery					7,236,440.00
SECTION VI - PAINTING AND DECORATIVE					
24	Prepare and apply one coat of alkali resisting primer and two coats of emulsion paint to walls (.Rate including column ,beam , soffit and concrete surface and walls in internal .)				
	In First Floor	m2	420.00	250.00	105,000.00
25	Apply one coat of primer and two coats of weathershield paint for new walls.				
	In First Floor	m2	250.00	200.00	50,000.00
Sub Total carry to Summery					155,000.00
SECTION VII - DOOR AND WINDOW					
<u>Prior approval should be taken for all items related to doors and windows before fabricate. All frosted glass pannels should be non visible in both sides</u>					

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
26	Supplying, Fabricating and fixing door TYPE D1, 4'-0" x 9'-0" decorative door , class 1 or above as per detail drawing, Rate including oxidized heavy duty furniture, door lock approved by engineer, 100mm barrel bolts 2 nos etc.rate included primer under coat & two coats of enamel paint .(6Nos of hingers)				
	In First Floor	Nos	6.00	54,000.00	324,000.00
27	Supplying, Fabricating Fixing Window type W1, 4'-0" x 6'-6" Powder Coated AL Framed glazed sliding window as per detailed (Rate to include window lock, hingers, safety steel grill etc)				
	In First Floor	Nos	17.00	45,000.00	765,000.00
Sub Total carry to Summery					1,089,000.00
SECTION VIII - ELECTRICAL INSTALLATION					
28	Allow PS for decorative Electrical Installation	P.Sum			700,000.00
Sub Total carry to Summery					700,000.00
SECTION IX - PLUMBER					
29	Allow PS for decorative Plumbing Installation	P.Sum			600,000.00
Sub Total carry to Summery					600,000.00
SECTION XI - ROOFER					
30	Supplying and fixing Decorative valance boards beaded 225mm x 20mm thick Ginisapu, including one coat of primer and two coats of enamel paint (Rate including 20x6mm Flat iron bracket work) .	m	100.00	1,120.00	112,000.00
31	Fabricating and fixing suspended type ceiling Cement Board ceiling with T and and L sections complete as per detailed drawing. (Ceiling panel rate included.)	m2	500.00	4,770.00	2,385,000.00
32	Fixing 19mm thick Lunumidella tongued and grooved Ceiling , under side of rafters, on frame work.	m2	60.00	4,500.00	270,000.00

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
33	Fabricating and fixing Decorative brass ceiling with T and L sections complete as per detailed drawing.	PS			
34	Supplying & Fixing 0.47mm thick Zn / Al sheets with self drilling Screws (Fasteners) on existing frame work (Frame Work Measured Separately) Tile profile. (Hip roof)	m2	680.00	4,000.00	2,720,000.00
35	Supplying & fixing 0.47mm thick colour Zn / Al. ridge cap/ bottom ridge cap with self drilling screws (Fasteners) minimum girth 470mm.	m	60.00	1,500.00	90,000.00
36	Supplying and laying of laminated aluminium foil, 6mm thick double side double bubble insulation layer, with 75mm x 75mm gauge 17 welded wire mesh under the roof as directed. (Ultra bubble reflective layer)	m2	680.00	1,100.00	748,000.00
37	Suppling, fabricating and erecting L section truss 14.5 m span and pitch 26 degree with Top and Bottom Chord 2/50x50x6mm and Internal members 40x40x4mm / 25x25x4mm, 8 mm thick Guzzet plate, 10 mm thick base plate rate including welding and two coats of anticorrosive paint and placing in position.	Nos	2.00	375,000.00	750,000.00
38	Suppling, fabricating and erecting L section truss 14.5 m span and pitch 26 degree with Top and Bottom Chord 2/70x70x8mm and Internal members 50x50x6mm /40x40x4mm / 25x25x4mm, 8 mm thick Guzzet plate, 10 mm thick base plate rate including welding and two coats of anticorrosive paint and placing in position.	Nos	5.00	375,000.00	1,875,000.00
39	Fabricating and fixing Steel "C" chanale 200mm x 90mm x 14mm x 7mm thick GI in gable rafters purlins etc.complete with fixing, bolts, 2 coats of anticorrosive paint and providing cleats where necessary .	m	28.60	1,700.00	48,620.00

ENGINEERS' ESTIMATE

NO	DESCRIPTION	UNITS	QTY	RATES	AMOUNT
40	Supplying & Fixing C- purlin 150 mmx 65 mmx 14 mm & 2mm thick GI including prepare & necessary nut & Bolts 6mm thick cleat & Welding Works etc.	m	565.00	750.00	423,750.00
	Sub Total carry to Summery				9,422,370.00
	SECTION XII - MISCELLANEOUS WORKS				
41	Allow PS for decorative timber hand rail	P.Sum		300,000.00	300,000.00
	Sub Total carry to Summery				300,000.00