

**CONSTRUCTION OF PROPOSED DRESSING ROOMS FOR EDIRIWEERA SARATHCHANDRA OPEN AIR THEATRE ("WALA") AT UNIVERSITY OF PERADENIYA.**  
**OF WORK**

**Approximate Total Tiers area                      2900 ft<sup>2</sup>**

**Sub Structure**

- \* Ordinary soil excavation by machinery
- \* Earth filling with barrowed gravel and soil
- \* C25 reinforcement cement concrete footings, RCC wall & RRM retaining walls

**Super Structure**

- \* C25 reinforcement cement concrete short column structure
- \* Walls - 225mm & 112mm thick Brick works.

**Wall Finishes**

- \* External walls finishing with paste rubble masonry in cement and sand 1:2 . Granite minimum 75mm thick and 150mmx250mm size.
- \* 16mm thick internal wall plaster with reveals in 1:5 cement and sand finished smooth with application of two coats of skim coat
- \* Internal walls, slab soffit, columns, beams & staircase painting by preparation of surface with application of wall filler & two coats of approved quality emulsion paint.
- \* For toilets and dressing area: Tiles glazed with all specials fixing to walls including raking plaster backing in cement mortar 1:3 and pointed with tile grout to match the tiles. (Lanka Wall Tiles or equivalent brand) Colored, white or printed 300X600mm

**Floor Finishes**

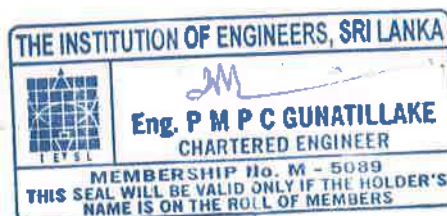
- \* 12mm thick 1:3 cement sand rendering
- \* For toilets and dressing area: Porcelain Homogenous/ Non Homogenous Vitreous, floor tiles with all specials fixing to floors including raking plaster and 20mm thick bedding in cement mortar 1:3 and pointed with tile grout to match the tiles. (Rocell or equivalent brand) (300x300mm MATT floor tile)

**Roofer**

- \* C25 RCC roof slab with rain water drip edge ,heat insulation layer & water proofing

**Miscellaneous works**

- \* Landscaping work as per architectural features



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on 01.12.2022

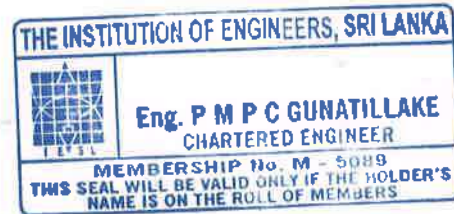
Approximate Total Floor Area **2900 ft<sup>2</sup>**

**GRAND SUMMARY**

Bill No	Description	Amount	
		Rs.	Cts.
1	CONSTRUCTION OF THE BUILDING	27,893,040.00	
a	Sub Total I	27,893,040.00	
b	Add for Price Fluctuation( 3% of a)	836,791.20	
c	Add for Contingencies (10% of a )	2,789,304.00	
d	Sub Total II ( a+b+c)	31,519,135.20	
e	Value Added Tax (VAT - 15%)	4,727,870.28	
h	Grand Total	36,247,005.48	

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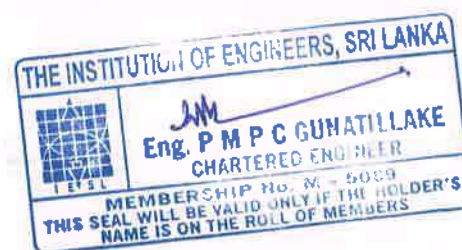
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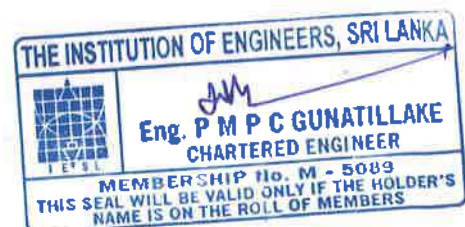
**SUMMARY**

Item No.	Description	Amount Rs. Cts.
A	EXCAVATION AND EARTH WORK	1,756,500.00
B	CONCRETE WORK	11,429,900.00
C	WATER PROFFING	1,975,000.00
D	MASONRY WORK	3,811,940.00
E	PLASTERING	1,092,750.00
F	PAVING	1,158,600.00
G	PAINTING	909,350.00
H	DOORS AND WINDOWS	1,508,800.00
J	PLUMBING WORK	1,250,200.00
K	ELECTRICAL WORK	1,600,000.00
L	MISCELLANEOUS WORK	1,400,000.00
	TOTAL CARRIED TO GRAND SUMMARY	27,893,040.00



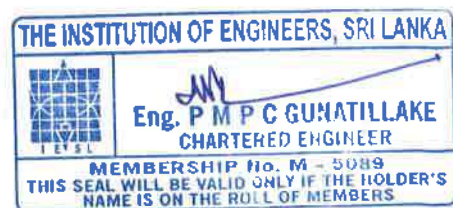
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Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
<b>A</b>	<b><u>EXCAVATION AND EARTH WORK</u></b>				
1A-1	Site preparation manually including demolishing of existing structure, clearing site <b>stripping of top soil</b> to a depth not exceeding 150mm thick and transport all debris away from site by any mean ( <b>Distance less than 1km</b> ). Rate to include for loading & unloading.	Item	1.00	Allow	500,000.00
1A-2	Bulk excavation in any material using machinery Rate to include for loading and transporting soil 500m away from the site.	m <sup>3</sup>	175.00	700.00	122,500.00
1A-3	Manual excavation for column pits & wall & foundations in <b>any material</b> (except rock requiring blasting) up to 1.5m depth, part return fill in and ram and <b>surplus deposited within site</b> as directed. (Earthwork supports and dewatering paid separately).	m <sup>3</sup>	75.00	3,850.00	288,750.00
1A-4	Temporary earth work supports, in open planking in trenches total depth up to 1500mm.	m <sup>2</sup>	25.00	1,480.00	37,000.00
1A-5	Allow lump sum for dewatering in any depth in excavation for foundation within the contract period. Payment will be made for site records.	days	5.00	5,000.00	25,000.00
1A-6	Supplying and filling under floors and around the building with borrowed type I gravel approved by the Engineer including spreading, watering and well ramming using Rammer or other similar machine in 75mm layers as directed. (Compaction should be $\geq 95\%$ )	m <sup>3</sup>	80.00	8,500.00	680,000.00
1A-7	Application of anti termite pre construction soil treatment using chemical of Biflex or approved equivalent material for the ground floor as instructed by engineer on manufacture's specification	m <sup>2</sup>	175.00	590.00	103,250.00
<b>Sub Total carried to Summary</b>					<b>1,756,500.00</b>
<b>B</b>	<b><u>CONCRETE WORK</u></b>				
	<b><u>C15 Concrete</u></b>				
1B-1	50mm/75mm thick 1:3:6(20) cement concrete screed for column, walls, staircase footings & RCC wall foundations on laying gauge 750 polythene.	m <sup>3</sup>	11.00	51,000.00	561,000.00
	<b><u>C20 (20) Concrete</u></b>				
1B-2	75mm thick floor concrete on laying gauge 750 polythene.	m <sup>3</sup>	13.00	58,000.00	754,000.00



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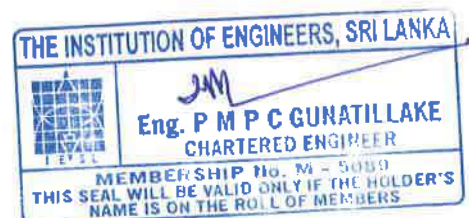
Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
1B-3	Lintels & Sill size 225mm x75mm (Type LT1) deep in C20 (20) concrete, reinforced with 2 nos of 8mm dia. tor steel bars and 6mm mild steel stirrups @ 150mm c/c including necessary formwork with curing continuously for 5 days.	m	46.00	5,900.00	271,400.00
	<b>C25 (20) Concrete</b> Reinforced cement concrete for footings, columns, plinth beams, floor slabs, floor beams, tie-beams, RCC wall, stair cases. (Reinforcement and form work paid separately)				
1B-4	Up to DPC	m <sup>3</sup>	19.00	65,000.00	1,235,000.00
1B-5	Super structure <b>Formwork</b> Supplying and fixing 15mm thick plywood formwork including (untreated non-structural category B) timber joists and necessary props etc. Rate to include for dismantling same when required.	m <sup>3</sup>	35.00	65,000.00	2,275,000.00
1B-6	Up to DPC	m <sup>2</sup>	230.00	5,000.00	1,150,000.00
1B-7	Super structure	m <sup>2</sup>	420.00	5,000.00	2,100,000.00
	<b>Reinforcement</b> <b>High Yield Steel Reinforcement</b> In footings, columns, plinth beams, floor slabs, floor beams, tie-beams, RCC wall, stair cases.	kg	3,900.00	720.00	2,808,000.00
	<b>Mild Steel Reinforcement</b> In columns, plinth beams, floor beams, tie-beams, stair cases.	kg	380.00	725.00	275,500.00
	<b>Sub Total carried to Summary</b>				<b>11,429,900.00</b>
<b>C</b>	<b>WATER PROOFING</b>				
1C-1	Application of approved crystalline type water proofing agent ( "Barralastic"/"Xypex" or equivalent ) to toilet floors, walls up to door height & RCC wall.	m <sup>2</sup>	110	6,500.00	715,000.00
1C-2	Application of approved type water proofing agent (Bituminous membrane torch-on type, ecogum 4P slated or equivalent ) & heat insulation layer (50mm thick insulation layer with non woven geo- textile polyester matt or equivalent) and 50 mm thick screed concrete with 50x50mm GI mesh over the concrete slab as per manufacture's specification	m <sup>2</sup>	180	7,000.00	1,260,000.00
	<b>Sub Total carried to Summary</b>				<b>1,975,000.00</b>





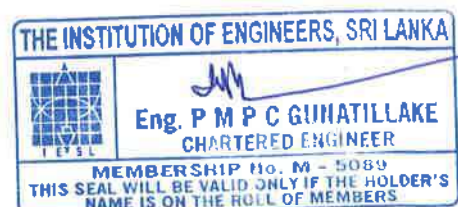
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Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
<b>D</b>	<b>MASONRY WORK</b>				
1D-1	150 x 225mm random rubble masonry in 1:5 cement sand mortar in wall foundation. Minimum haulage 30km	m <sup>3</sup>	30.00	18,500.00	555,000.00
1D-2	Brick work in cement and sand 1:5 in 9" (225mm) thick walls in super structure	m <sup>3</sup>	35.00	32,000.00	1,120,000.00
1D-3	Brick work in cement and sand 1:5 in 4 1/2" (112.5mm) thick walls in super structure	m <sup>2</sup>	17.00	5,200.00	88,400.00
1D-4	Steps 337.5mm - in brick in cement and sand 1:5 finished with 12mm thick rendering in cement and sand 1:3 and smoothed with cement slurry including 150mm high foundation.	m	3.60	5,150.00	18,540.00
1D-5	Supplying & laying Paste rubble masonry in cement and sand 1:2 in external wall with reveals. Granite minimum 75mm thick and 150mmx250mm size.	m <sup>2</sup>	145.00	14,000.00	2,030,000.00
	<b>Sub Total carried to Summary</b>				<b>3,811,940.00</b>
<b>E</b>	<b>PLASTERING</b>				
1E-1	16mm thick internal wall plaster with reveals in 1:5 cement and sand finished smooth with application of two coats of skim coat. Rate shall include for applying Skim Coat compound on wall with two coats, finished smooth with sand papering, and prepare surface. Colour washing paid for separately.	m <sup>2</sup>	240.00	2,100.00	504,000.00
1E-2	Applying two coats of skim coat ( Not exceeding 3 mm thick) to RCC surfaces with soffit of slab, beams, column & stair cases Including preparation surface.	m <sup>2</sup>	375.00	770.00	288,750.00
1E-3	Allow for making 20mm x 25mm, 1:2 cement sand rain water drip edge and plaster moldings on walls around the building as architectural feature.	Item	1.00	Allow	300,000.00
	<b>Sub Total carried to Summary</b>				<b>1,092,750.00</b>
<b>F</b>	<b>PAVING</b>				
	<b>All floor tiles and wall tiles should be Rocel/ Lanka tile/ Lanka wall tile or equivalent</b> Porcelain Homogenous/ Non Homogenous Vitreous, floor tiles with all specials supplying and fixing to floors including raking plaster and 20mm thick bedding in cement mortar 1:3 and pointed with tile grout to match the tiles. (Rocell or equivalent brand) (600x600mm MATT floor tile)(Prime Cost of, 600x600mm MATT floor tile =Rs.1800.00)				
1F-1	In toilet & wash rooms	m <sup>2</sup>	14.00	9,400.00	131,600.00



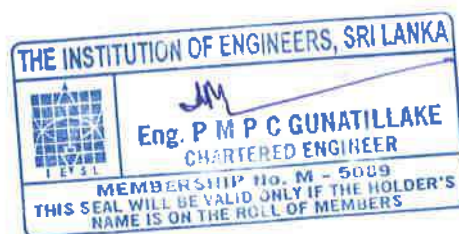
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Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
1F-2	Tiles glazed with all specials , supplying and fixing to walls including raking plaster backing in cement mortar 1:3 and pointed with tile grout to match the tiles.(Lanka Wall Tiles or equivalent brand)Colored, white or printed 300X600mm (Prime Cost of, Glazed colour wall tile 300x600mm (Lanka Wall tile or In toilet & wash rooms	m <sup>2</sup>	70.00	9,800.00	686,000.00
1F-3	20mm thick 1:3 cement sand rendering to floor including colour cement floating coat.	m <sup>2</sup>	140.00	1,800.00	252,000.00
1F-4	100mm Skirting in 1:3 projected on flush with wall and including forming groove with smooth finish.	m	60.00	790.00	47,400.00
1F-5	20mm thick plinth plastering 1:3 cement sand finished smooth with neat cement floating.	m <sup>2</sup>	26.00	1,600.00	41,600.00
<b>Sub Total carried to Summary</b>					<b>1,158,600.00</b>
<b>G</b>	<b>PAINTING</b>				
	Preparation of surfaces cleaning down, smoothing , knotting, stopping etc. protection of floors and fittings removing and replacing doors & windows furniture and cleaning , windows , etc. upon completion. Paint shall be "CIC" or approved equivalent	Note			
1G-1	Internal wall painting by preparation of surface with application of alkaline resisting primer & two coats of emulsion paint	Note m <sup>2</sup>	255.00	1,320.00	336,600.00
1G-2	Painting of RCC surfaces with soffit of slab, beams, column & stair cases with alkaline resisting primer & two coats of emulsion paint.	m <sup>2</sup>	395.00	1,450.00	572,750.00
<b>Sub Total carried to Summary</b>					<b>909,350.00</b>
<b>H</b>	<b>DOORS &amp; WINDOWS</b>				
	All Aluminium sections shall be <b>POWDER COATED</b> Rate to include for heavy quality door lock, door closers, hinges & all other accessories				
1H-1	Door type D1 size 1800 x 2700 mm powder coated Aluminium framed glazed double sash door.	nr	2.00	121,500.00	243,000.00
1H-2	Door type D2 size 1050 x 2700 mm powder coated Aluminium framed glazed single sash door	nr	2.00	67,500.00	135,000.00
1H-3	Door type D3 size 975 x 2700 mm powder coated Aluminium framed glazed single sash door	nr	2.00	65,900.00	131,800.00
1H-4	Door type D4 size 750 x 2700 mm powder coated Aluminium framed glazed single sash door	nr	4.00	50,625.00	202,500.00
1H-5	Door type D5 size 1350 x 1200 mm powder coated Aluminium framed glazed double sash door.	nr	1.00	40,500.00	40,500.00



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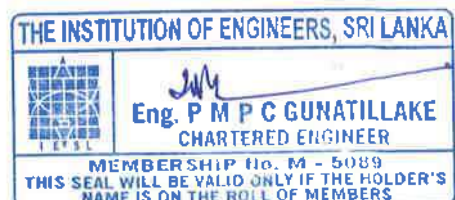
Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
1H-6	Window type W1 size 2700 x 1800 mm powder coated Aluminium framed glazed triple sash window,	nr	2.00	121,500.00	243,000.00
1H-7	Window type W2 size 2250 x 1800 mm powder coated Aluminium framed glazed triple sash window,	nr	4.00	101,250.00	405,000.00
1H-8	Fanlight FL1 size 600x1800 mm Powder coated Aluminium framed fanlight window.	nr	4.00	27,000.00	108,000.00
<b>Sub Total carried to Summary</b>					<b>1,508,800.00</b>
<b>I</b>	<b><u>PLUMBING WORK</u></b>				
	<b><u>Sanitary Fittings &amp; Accessories</u></b>				
	All sanitary fittings should be "American Standard, Rocell or equivalent				
	Unless otherwise measured separately, Rates shall include for:	Note			
	(a) Fittings such as taps, wastewater outlets, internal overflows etc. and supporting brackets, Incidental materials for fixing.	Note			
	(b) Assembling, jointing together fixing components parts, and jointing to pipes including necessary coupling and for leaving perfectly clean and in perfect working order as on completion.	Note			
	(c) all necessary fixtures for sanitary fittings and special connection to water supply, wastewater and sewer lines	Note			
	(d) Jointing and connection pipes to sanitary fittings.	Note			
	(e) Testing and commissioning of the installation.	Note			
	(f) Making good the work disturbed.	Note			
	(g) Protecting the works	Note			
1J-1	Allow for supplying and laying of uPVC pipes of Type 1000 under floor slab ,along walls and inside ducts as described below including for all pipe specials, fixing, testing and commissioning.	Item	1.00	Allow	80,000.00
	<b>SANITARY FITTINGS &amp; FIXTURES</b>				
1J-2	Supplying & fixing, vitreous Rocell floor standing close coupled, water closet (toilet) suite(white/ colour) with wash down 6/3 liter dual flushing. Has a horizontal outlet and cistern with water inlet from bottom. Complete with seat, seat cover and concealed trap etc. (Prime cost of close coupled water closet suite=Rs.46,000.00)	nr	4.00	49,000.00	196,000.00





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Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
1J-3	Supplying & fixing vitreous Rocell floor standing wash basin (white or colour) wall mounted brackets, over flow hole and single tap hole in center, wash basin fixing kit. (American standard, Rocell or equivalent) (Prime cost =Rs.35,000.00)	nr	4.00	37,000.00	148,000.00
1J-4	Supplying and fixing of 800x600mm anti-fog plain glass mirror with chromium plated clips and plugs to be fixed to wall. Rate to include for fixtures. Prime cost Rs.12,700.00	nr	4.00	14,000.00	56,000.00
1J-5	Supplying & fixing bath shower with conceal valve and all accessories	nr	2.00	12,000.00	24,000.00
1J-6	Supplying & fixing chromium plated 20mm bib tap (Plumber or equivalent). Prime cost =Rs.4,500.00	nr	4.00	6,500.00	26,000.00
1J-7	Supplying and fixing soap dish (Prime cost Rs.6,700.00)	nr	3.00	7,000.00	21,000.00
1J-8	Supplying and fixing of 150x150mm molded uPVC floor trap gully and stainless steel cover plate in all toilets. Rate shall include for all fixtures. Prime cost- Rs.2,850.00	nr	8.00	3,450.00	27,600.00
1J-9	Supplying and fixing bidet spray imported (Indian/Chinese or equivalent). (Prime Cost	nr	4.00	7,500.00	30,000.00
1J-10	Supplying & fixing chromium plated angle valve 12mm with necessary specials, imported, approved quality. (Indian or equivalent) Prime cost of chromium plated angle valve 12mm =Rs.2,700.00	nr	4.00	3,400.00	13,600.00
1J-11	Supplying & fixing chromium plated towel rail (Indian), 600mm long and , 20mm dia. with necessary wall plugs and screws. Prime cost =Rs.2,750.00	nr	8.00	3,500.00	28,000.00
<b>SEWAGE AND WASTE WATER DISPOSAL SYSTEMS</b>					
1J-12	Allow for supplying, laying and jointing of uPVC pipes of type 600 (except specified separately) under in concrete floor slabs, fixed to slab at adequate intervals and laid under ground connecting manholes for the efficient discharge of sewage and waste water. Rate to include for all necessary pipe specials, brackets, clips, supports, anchors, jointing materials etc.	Item	1.00	Allow	350,000.00



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Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts.
	<b>WASTE WATER DISPOSAL SYSTEM AND MANHOLES/ CATCHPITS</b>				
1J-13	Supplying, laying and jointing of uPVC pipes of type 600 under in concrete floor slabs, fixed to slab at adequate intervals and laid under ground connecting manholes for the efficient discharge of sewage and waste water. Rate to include for all necessary pipe specials, brackets, clips, supports, anchors, jointing materials etc,	Item	1.00	Allow	250,000.00
	<b>Sub Total Carried to Summary</b>				<b>1,250,200.00</b>
K	<b>ELECTRICAL WORK</b>				
1K-1	Allow for necessary electrical Fittings and wiring	Item	1	Allow	1,600,000.00
	<b>Sub Total Carried to Summary</b>				<b>1,600,000.00</b>
	<b>MISCELLANIOUS</b>				
1L-1	Allow for Landscaping work around the building including necessary drains, pavements finishing of architectural featured columns& etc.	Item	1.00	Allow	800,000.00
1L-2	Allow for necessary furniture	Item	1.00	Allow	600,000.00
	<b>Sub Total Carried to Summary</b>				<b>1,400,000.00</b>

