

ESTIMATE FOR  
**ROOF REPAIRING OF 80\*20 BUILDING AT G/ RICHARD  
PATHIRANA M.V.**

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PRESENTED BY  
District Engineering Building Department - Galle

Estimate Ref. No: 2072

**ROOF REPAIRING OF 80\*20 BUILDING AT G/ RICHARD PATHIRANA M.V.**

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q	5,188,813.50	
2	VAT 18.00%	933,986.43	6,122,799.93
3	Consultant fees 0.00%	0.00	
4	Contingencies 10.00%	518,881.35	
5	Price Escalation 2.00%	103,776.27	622,657.62
TOTAL		(LKR)	6,745,457.55

This estimate was prepared on the instruction of District Engineer (Buildings) and the rate prevailing in 2025 First Half - 2025/01/05.

All work necessary have been provided in this estimates. The Quantities and rates were checked and found correct.

Prepared by *sujeewa sumanasekara*  
(S.I.W)

Checked by *inoka weerathna*  
(I.W)

Checked by *enoka priyadarshani*  
(E.A)

Approved/Recommended

Divisional Engineer (Buildings)

Approved/Recommended

District Engineer (Buildings)

Galle

**Eng. A.A.C. Mendis**

District Engineer (Buildings)

District Engineer (Buildings) Office,  
Pettigalawaththa, Galle

Approved

Chief Engineer (S.B/O.B)

Director of Buildings

Deputy Chief Secretary (Eng. Ser.)

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**ROOF REPAIRING OF 80\*20 BUILDING AT G/ RICHARD PATHIRANA M.V.**

Rate Schedule	Amount
(No Topic Assigned)	
Demolisher	103,202.75
Brick Work	58,200.00
Concretor	524,065.50
Reinforcement	16,660.00
Plasterer	18,405.00
Electrical	324,045.00
Roofer	742,180.00
Carpenter & Joiner	2,039,362.50
Iron Monger	308,520.00
Painter & Decorator	525,305.00
Plumber	230,827.00
Alluminium	298,040.75
<b>Total</b>	<b>5,188,813.50</b>



ID	RS	Description	Unit	Qty.	Rate	Amount
		<b>Plasterer</b>				
11	PI01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing	sq.m	15.00	1,227.00	18,405.00
		Total carried to summary				18,405.00
		<b>Electrical</b>				
12	EI006	Supply and fixing 56" sweep ceiling fan with electronic fan speed controller concealed conduit wiring (1/1.13 wire 1.0mm <sup>2</sup> , 1/1.13 earth wire 1mm <sup>2</sup> including gang switch)all complete as per instruction Make (USHA ATOM EX 56 " / Telesonic Supreme with safety switch and cable) with 2 years warranty (SLSI Approved makes) (Switches - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings -krypton/Polycrome/Orange)	nr	7.00	24,150.00	169,050.00
13	EI003	Supply and fixing 13 Amp Socket outlet with necessary concealed conduit wiring [7/0.67 PVC Single wire ( 2.5 mm <sup>2</sup> ) x2 , 7/0.67 Earth Wire ( 2.5 mm <sup>2</sup> ) ] all complete as per instruction (Socket - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings - krypton/Polycrome/Orange)	nr	6.00	7,998.00	47,988.00
14	EI018	Supply and fixing 01 No. Pendent type lamp(12W LED Bulb - efficacy:85 lumen/W or above with two years warranty ) with GANG switch Complete with necessary concealed conduit wiring as per working order.(Switch - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (fittings - krypton/Polycrome/Orange) (Conduit - krypton/Polycrome)( Bulb - Orange electric ECO LITE/ ZENOI / Kelani) [ Cable SLS 733, Switch SLS 1000 Bulb SLS 984 ]	nr	10.00	6,859.00	68,590.00
15	EI048	Supplying and fixing consumer unit 06 way surface mounted M.C.B type (incl.32 Amp. D.P MCB,40 Amp/30 mA-D.P RCCB, 6 nrs M.C.B (6 Amp.-16 Amp.)700 encloser box & bus bar fixing Philips screws (MCB-Make -Orange electric 10kA/ Schneider/Chint NB 7/EB) (RCCB Make -Orange electric 10kA/Schneider/Chint NL1) (Enclosure- Polycrome ) Original Makes with company warranty Certificate. all complete as per instruction	nr	1.00	24,167.00	24,167.00
16	EI054	Supplying and fixing 2" dia galvanized iron earth pipe 6'-0" ( 1800 mm ) long (heavy duty) and connected the 7/1.04 earth wire (6mm <sup>2</sup> ) with cable LUG . Including brick chamber with cover slab as per Drawing. (DB to Earth pipe cable/ conduit length 8 m) [ Cable SLS 733 ] (Cable - ACL/Kelani/Orange/Sierra) . (for 30A , single/ three phase supplies only)	nr	1.00	14,250.00	14,250.00
		Total carried to summary				324,045.00



# **ROOF REPAIRING OF 80'20 BUILDING AT G/ RICHARD PATHIRANA M.V.**

ID	RS	Description	Unit	Qty	Rate	Amount
(No Topic Assigned)						
<b>Demolisher</b>						
1	Dm33	Removing existing Ceiling ( timber) with timber frame stacking materials and clearing debris away from site GF	sq.m	167.00	98.00	16,366.00
2	Dm21	Removing asbestos roofing sheet stacking serviceable material & clearing debris in single storied building	sq.m	250.00	66.00	16,500.00
3	Dm17	Removing rendering, cement, and clearing debris away from brick walls and floors	sq.m	85.00	423.00	35,955.00
4	Dm10	Demolishing floors 3" thick brick paved, stacking reuseable bricks and clearing debris away from site	sq.m	103.00	281.00	28,943.00
5	Dm40	Removing and stacking Timber Door sash from existing frame	sq.m	3.00	130.00	390.00
6	Dm38	Removing and stacking 2"x2" GI mesh or Iron grill with frame from wall.	sq.m	8.75	577.00	5,048.75
		Total carried to summary				103,202.75
<b>Brick Work</b>						
7	Bld6	Brickwork 112mm in cement sand mortar 1:5 (Ground Floor)	sq.m	15.00	3,880.00	58,200.00
		Total carried to summary				58,200.00
<b>Concretor</b>						
8	Ct29	Ramp & drain for single storied building Corrugated asbestos sheet roof with 900mm eave in front, back & 900mm eave in gable sides-225mm internal width and minimum starting depth 150mm drain & ramp 75mm thick cement concrete in 1:21/2:5 ( 1" ) mix to required slop (20feet to 1 inch). Drain & ramp Cement rendering 1/2" thick 1:3 cement, sand mortar finished smooth with neat cement floating including curing. Rate to include expansion joints at every 20'-0" intervals for ramp. ( Gable side ramp width 738mm, long side ramp width 663mm (As per detail drawing No SPES/Rate 23/Ct-15)	m	69.00	6,679.00	460,851.00
9	Ct43	Lintel, cement concrete 1:2.4(3/4") (Gr. 20) 4 1/2" x 6" (Reinforcement paid separately). Rate including shuttering & curing	m	25.50	2,479.00	63,214.50
		Total carried to summary				524,065.50
<b>Reinforcement</b>						
10	R972	10mm Tor steel Ground floor	kg	35.00	476.00	16,660.00
		Total carried to summary				16,660.00



ID	RS	Description	Unit	Qty.	Rate	Amount
		<b><u>Roofer</u></b>				
17	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep vent opening every vally point).	m	28.00	1,435.00	40,180.00
18	Ro02	Corrugated asbestos sheets supplied and fixed to roof or wall on existing framework with necessary roofing screws and limpet washers or hook bolts.	sq.m	250.00	2,808.00	702,000.00
		<i>Total carried to summary</i>				742,180.00
		<b><u>Carpenter &amp; Joiner</u></b>				
19	Cp01	8"x3/4" (200x20mm) Boards, barge, valance, fascia, 3/4" (20mm) thick in class II local (Ginisapu) timber prepared by using multi purpose wood working machine, fixed complete with necessary 2" Iron screws. applying one coat of wood preservative, one coat of aluminium primer & two coats of enamel paint	m	55.50	2,059.00	114,274.50
20	Cp17	Ceiling lunumidella 6"x3/4" planks tongue & groove with tow coat of wood preservative to frame work consists of 100 x50 mm joist in Imported timber ceiling frame. (Rate to include Preservation of timber is achieved by Vacuum Pressure Impregnation of the timber with preservatives, Such as CCB that are registered by register of pesticides for protection against wood destroying agents such as wood bores, fungi and termites (Execution according to the Manufacturers specifications)( Finlay Rentokil Ceylon (Pvt) Limited ) certificate for vacuum pressure of timber should be submitted for payment.	sq.m	238.00	7,890.00	1,877,820.00
21	Cp03	10" x 3/4" Boards, barge, valance, fascia, 3/4" thick in class II local (Ginisapu) timber prepared by using multi purpose wood working machine, fixed complete with necessary 2" Iron screws applying one coat of wood preservative, one coat of aluminium primer & two coats of enamel paint	m	18.00	2,626.00	47,268.00
		<i>Total carried to summary</i>				2,039,362.50
		<b><u>Iron Monger</u></b>				
22	Ir16	Supplying making and fixing 37X 37X 6mm thick 225 mm long angle iron Brackets in purlin end and applying one coats of metal primer & two coats of anticorrosive paint, Nut & Bolt (Rate to include 1/4" Ø and 3/8" Ø drilling holes). Single storied Building. Draw.No. SPES/Rate23/Ir-14.	nr	20.00	945.00	18,900.00



ID	RS	Description	Unit	Qty.	Rate	Amount
23	lr15	Supplying making and fixing 200 long 50 x 6 mm thick. Flat iron Bracket for valance Board in eaves purlin at 30" c/c with necessary fillet weld & 50 mm long 50 x 50 x 6 mm angle iron welded to bracket end for holding eave ceiling timber including one coat of metal primer & two coats of Anticorrosive paint. (Single storied Building with eave ceiling) Draw. No.SPES/Rate23/lr-14.	nr	76.00	1,251.00	95,076.00
24	lr12	Supplying and fixing Angle iron purlin 62 x 62 x 6 mm-angle iron purlin at maximum spacing of 3'-6" centre & maximum span of 10'-0" including necessary 300mm long, 50 x 50 x 6mm angle iron for inside & 300mm long 50 x 6 mm flat iron for out side of purlin joints, 1/2, dia 1 1/2" M.S bolt washers and nut etc. and application of one coat of metal primer & two coats of anticorrosive paint different colour in single storied Building. (Applying paint under the T.O.'s supervision) Draw. No.SPES/Rate23/lr-12.	m	56.00	3,474.00	194,544.00
		Total carried to summary				308,520.00
		<b>Painter &amp; Decorator</b>				
25	Pt22	Prepare and Painting steelwork, one coat of Z/Pmetal primer and 2 coats of anticorrosive paint including removing scale and wire brushing. ( under the supervision of technical officer)	sq.m	155.00	1,291.00	200,105.00
26	Pt29	Painting walls with one coats of Acrylic wall filler for external wall (new work or after preparation of old wall) -Ground floor	sq.m	120.00	233.00	27,960.00
27	Pt42	Wethershield paint to external faces of wall 01coat apply using roller brush & 2" brush(Ground Floor)	sq.m	120.00	313.00	37,560.00
28	Pt30	Applying skim coat & one coats of wall filler (smooth platered new work or after preparation of old wall)	sq.m	255.00	374.00	95,370.00
29	Pt37	Prepare and Painting New walls with two coats of emulsion paint to internal wall ( Using roller brush)	sq.m	255.00	588.00	149,940.00
30	Pt47	Painting plinth and skirting with floor paint, 1 coat including preparing surface	sq.m	30.00	479.00	14,370.00
		Total carried to summary				525,305.00
		<b>Plumber</b>				
31	Pb88	Supplying and fixing 100 x 100 Zn/Al Down pipes with Zn/Al Strap (0.47 mm thick AZ150 - thickness certificate necessary) with Silicon joint ,fixed to fascia bolt with fixing bracket @ 750 mm C/C with 1"screws...etc (Metecno / BlueScope or equivalent)	m	45.00	2,383.00	107,235.00
32	Pb82	Eaves gutter (100 mm Square type) P.V.C. with end cap,miter joints,gutter joints,running head - fixed with PVC bracket @ 300 c/c with 3/4" jaguar nails ... etc.("S lon" or equivalent.)	m	56.00	2,207.00	123,592.00
		Total carried to summary				230,827.00



ID	RS	Description	Unit	Qty.	Rate	Amount
		<b>Alluminium</b>				
33	ALB05	Supplying, fabricating and fixing Aluminium bronze anodized paneled door (Top panel - Glass, Bottom panel - Al/PVC Composite board) with frame (1 Nr door sash and 2 Nrs 450mm height louver panels at the top) as per Drg. No. SPES/RATE23/D/L/01, Option 1. Overall size of the door frame is 900x2550mm including 450mm high louvers. (Size may be changed according to the site) Door frame consisting top bar (76x32mm), side bars (76x32mm, use 18x11mm door stopper bar at louver height with required Al rivets) horizontal middle bar (76x32mm with 70x4mm clip bar) and vertical middle bar (46x41mm) with 18x11mm door stopper bar around door frame using 5/32x3/8" Al rivets, and fixing with 50x18x2mm Al bracket using 1/8x3/8" Al rivets and 8x1 1/2" ST screws. Louver blades (52x34mm) should be fixed to louver frame bars (20x37mm) using 1/8x1/2" Al rivets, and louver panel fixed to frame using 1/8x1/2" Al rivets. Frame should be fixed to wall with 12 Nrs of No 6 rowl plugs and 8x3" ST screws. Door sash consisting top bar (80x42mm), side bars (66x45mm hinges side, 70x45mm lock side), middle bar (100x42mm) and bottom bar (120x42mm). 16x15mm clip bar should be used for required bars. Sash frame should be fixed with 38x38x2.5mm Al bracket using 1/8x3/8" Al rivets, 8mm dia. treaded bar with nuts for top and bottom bars. 4mm thick Al/PVC double side-composite board for bottom panel and 5mm thick clear glass for top panel should be fixed. Rate should be included for supplying and fixing required Mohair beading, 3303, 3303A and 455S Rubber beadings, 3 Nrs of 100x75mm Al hinges using 5/32x3/8" Al rivets, Al bronze anodized door handle (102x40mm) pair with cap nuts, Door lock (CL or equivalent approved by the Engineer), Screws, Pop rivets, Silicone etc.	sq.m	5.25	36,713.00	192,743.25
34	ALB25	Supplying, fabricating and fixing Aluminium bronze anodized casement window with frame (3 Nrs window sashes) as per Drg. No. SPES/RATE23/CW/03. Overall size of the window frame is 1450x1200mm. (Size may be changed according to the site) Window frame consisting top, bottom and side bars (41x31mm), middle bars (46x41mm), and fixing with 38x38x2.5mm Al bracket using 1/8x3/8" Al rivets and 8x1 1/2" ST screws. Frame should be fixed to wall with 14 Nrs of No 6 rowl plugs and 8x2" ST screws. Window sash consisting top, bottom and side bars (40x35mm) should be fixed using 8x1 1/2" ST screws, and 5mm thick clear glass. Rate should be included for supplying and fixing required 437K Rubber beading, 674U Rubber beading, 6 Nrs of 14" SS 304 bar hinges using 5/32x3/8" Al rivets, 3 Nrs of heavy quality Al fasteners using 5/32x3/8" Al rivets, Screws, Pop rivets, Silicone etc.	sq.m	3.50	30,085.00	105,297.50
		Total carried to summary				298,040.75