

ESTIMATE FOR

**REPAIRING THE ROOF OF 80*20 BUILDING AT MR/
BREALAPANATHARA M.V. (REVISION OF THE
ESTIMATE NO.2274)**

PRESENTED BY

District Engineer's (Buildings) office, Matara

Estimate Ref. No. 2458

**REPAIRING THE ROOF OF 80*20 BUILDING AT MR/ BREALAPANATHARA M.V. (REVISION OF THE ESTIMATE
NO.2274)**

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q	5,339,721.20	
2	VAT 18.00%	961,149.82	6,300,871.02
3	Consultant fees 3.00%	160,191.64	
4	Contingencies 10.00%	533,972.12	
5	Price Escalation 2.00%	106,794.42	800,958.18
TOTAL		(LKR)	7,101,829.20

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
(S.I.W)

Hiran Asanka

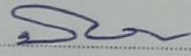
Checked by
(I.W)

K.K.Pinidiya

Checked by
(EA)

Manoja Gulawita

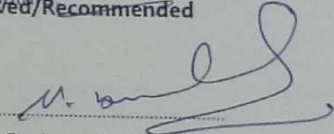
Approved/Recommended



Divisional Engineer (Buildings)

25/02/2025
Eng. D.N. Yogahanda
Divisional Engineer
For District Engineer (Buildings)
District Engineer (Buildings) Office
Pallimulla, Matara

Approved/Recommended



District Engineer (Buildings)
Mathara

Approved

Chief Engineer (S.B/O.B)
Director of Buildings
Deputy Chief Secretary (Eng. Ser.)

PAIRING THE ROOF OF 80*20 BUILDING AT MR/ BREALAPANATHARA M.V. (REVISION OF THE ESTIMATE NO.2274)

RS	Description	Unit	Qty.	Rate	Amount	
(No Topic Assigned)						
	Demolisher					
1	Dm24	Removing roof tiles and timber of roof completely, stacking serviceable materials and clearing debris in single storied buildings	sq.m	234.00	521.00	121,914.00
2	Dm31	Removing Unloading existing Truss (Timber , steel....etc)	nr	5.00	3,459.00	17,295.00
3	Dm33	Removing existing Ceiling(Asbestoes or timber) with timber frame stacking materials and clearing debris away from site GF	sq.m	71.00	98.00	6,958.00
4	Dm10	Demolishing floors 3" thick brick paved, stacking reuseable bricks and clearing debris away from site	sq.m	165.00	281.00	46,365.00
5	Dm17	Removing rendering, cement, and clearing debris away from brick walls and floors	sq.m	16.00	423.00	6,768.00
					199,300.00	
	Total carried to summary					
	Earth Work					
6	Ew01	Earth cutting and levelling site by manually in any material except rock requiring blasting, including transporting within 1/4 mile, depositing and levelling	cu.m	8.00	1,292.00	10,336.00
					10,336.00	
	Total carried to summary					
	Brick Work					
7	Bk01	Brickwork in 225 mm 1:5 cement : sand mortar (Ground Floor).	cu.m	2.00	30,616.00	61,232.00
					61,232.00	
	Total carried to summary					
	Concretor					
8	Ct39	Pad stones in cement concrete 1:2:4(3/4") (Gr.20) precast or in site (size 1'-6"x1'-1 1/2"x0'-6")Rate including shuttering & curing	nr	10.00	1,567.00	15,670.00
9	Ct09	Cement concrete 1:2 1/2:5(1") mix: up to 3.0 m3 (Shuttering paid separately) incl: curing	cu.m	7.50	31,071.00	233,032.50
10	Ct15	Drain for single storied building Corrugated asbestos sheet roof with 900mm eave in front ,back & 900mm eave in gable sides, 225mm internal width and minium starting depth 150mm drain, 75mm thick cement concrete in 1:2 1/2:5 (1") mix: to required slop (20feet to 1 inch) , cement rendering, 1/2" thick, 1:3 cement sand motor finished smooth with neat cement floating including curing.(Sigle storied building)(As per detail drawing No SPES/Rate 23/Ct-15)	m	66.00	4,567.00	301,422.00

ID	RS	Description	Unit	Qty.	Rate	Amount
11	Ct50	Slabs over drains ,cement concrete 3"(75mm) thick 1:2 :4 (3/4) and 1/2" cement rendering 1:3.(Reinforcement paid separately) Rate including shuttering & Curing	sq.m	1.50	5,959.00	8,938.50
		Total carried to summary				559,063.00
		Reinforcement				
12	Rf01	10mm reinforcement Tor steel Up to DPC	kg	11.00	435.00	4,785.00
		Total carried to summary				4,785.00
		Plasterer				
13	PI02	3/8 " Thick plastering to RCC beams, slab soffit , column in cement and sand 1:3 (G: Floor)	sq.m	8.00	1,651.00	13,208.00
14	PI01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing	sq.m	22.00	1,236.00	27,192.00
15	PI06	1/2" thk 1:3 Cement Rendering finished smooth with neat cement floating, Ground floor(sand to be sieved with 1/8" nets) Rate to include curing	sq.m	102.00	1,399.00	142,698.00
16	PI11	Skirting in Cement mortar 1:3, 1/2" X 4" projected or flush to wall finish with floating including forming groove. (G: floor)	m	46.00	391.00	17,986.00
17	PI09	3/4" thk Rendering in Cement and sand 1:3 in floors,finished smooth Rate to include curing, - Ground floor	sq.m	16.00	1,938.00	31,008.00
		Total carried to summary				232,092.00
		Electrical				
18	EI002	Supplying and fixing 13Amp socket outlet with necessary concealed conduit wiring 7/0.53 (Cu/PVC/PVC) single wire 1.5mm ² 1Cx2, 7/0.53 (1.5mm ²) Earth wire all complete as per instruction (Socket - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - Krypton/Polycrome) (fittings - krypton/Polycrome/Orange)	nr	8.00	6,774.00	54,192.00
19	EI006	Supply and fixing 56" sweep ceiling fan with electronic fan speed controller concealed conduit wiring (1/1.13 wire 1.0mm ² , 1/1.13 earth wire 1mm ² 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	8.00	24,150.00	193,200.00

ID	RS	Description	Unit	Qty.	Rate	Amount
20	EI050	Supplying and fixing consumer unit 10 way surface mounted M.C.B type (incl.32 Amp. D.P MCB,40 Amp/30 mA-D.P RCCB, 10 nrs M.C.B (6 Amp -16 Amp)900 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 - Polychrome)Original Makes with company warranty Certificate. all complete as per instruction	nr	1.00	30,312.00	30,312.00
21	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 (6mm2) 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
22	EI056	Supplying and fixing 2"x2"x1/4" Angle iron bracket for main supply electricity connection about 5'-0" long. Angle iron bar, bent to " L" shape and fixed to roof end with necessary bolt and nut. Apply two coats of anticorrosive paint to angle iron.	nr	1.00	4,277.00	4,277.00
23	EI017	Supply and fixing 01 No. Pendent type lamp(9 W 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	12.00	6,709.00	80,508.00
24	EI027	Supplying and fixing Water proof wall lamp shade(bulk head type) with , 9W LED bulb (efficacy: 85 lumen/W or above with two years warranty) and necessary concealed conduit wiring including one GANG sunk switch complete 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](Water proof wall lamp shade prime cost Rs.1650.00)	nr	4.00	8,060.00	32,240.00
		Total carried to summary				408,979.00
		Roofer				
25	Ro15	Supplying laying and fixing corrugated asbestos roofing sheets (app. Quality) on existing angle iron . purline frame with G.I. 'J' bolts diamond washers and nuts in single storied Building	sq.m	242.00	2,764.00	668,888.00
26	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep vent opening every vally point).	m	27.00	1,441.00	38,907.00
		Total carried to summary				707,795.00

ID	RS	Description	Unit	Qty.	Rate	Amount
		Carpenter & Joiner				
27	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	53.00	2,059.00	109,127.00
28	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
29	Cp05	Ceiling, asbestos, flat, fixed with clout headed nails to (100 x 50mm) joists @ 1200 mm c/c & (50 x 50 mm) bearers @ 600 mm c/c of Imported timber prepared by using multi purpose wood working machine, including 1 1/2" x 1/2" beading & 1 1/2" x 1 1/2" moulding. Applying one coat of aluminium primer & two coat enamel paint to beading & moulding (class II timber). Applying one coat of wall pillar & two coats emulsion paint to sheets (Rate to include applying two coats of wood preservative to timber framework & use 1 1/2" Iron screws for moulding & Beading at 600mm c/c	sq.m	50.00	7,855.00	392,750.00
30	Cp09	Asbestos eaves Ceiling, fixed with iron nails to 50 x 50mm joists at 600 mm c/c & 50 x 50 mm bearers at 600mm c/c of Imported timber prepared by using multi purpose wood working machine, Rate to include 1 1/2" x 1/2" beading, 1 1/2" x 1 1/2" moulding. Applying one coat of wall filler & two coats emulsion paint to Ceiling Sheet. One coat aluminium primer, two coat enamel paint to beading & moulding & two coats of wood preservative for timber frame. use 1 1/2" iron screws for moulding & Beading at 600mm c/c	sq.m	21.00	7,737.00	162,477.00
31	Cp66	Glazed window sash - Openable sash in jack timber (25mm thk), 3 mm thk clear glass including 1 3/4" to 1 1/2" window ring, 10" casement stay, casement fastener, 4"x2" butt hinges... etc excluding painting. (3 / 622x 1072mm)(approved quality brass fittings) Draw No/SPES/Rates23/Cp-56	sq.m	1.80	30,209.00	54,376.20
		Total carried to summary				765,998.20
		Iron Monger				

Amo	RS	Description	Unit	Qty.	Rate	Amount
32	lr03	Supplying and fixing 20'-0 span and 22 degree pitch with 900mm wide eaves with both side , steel roof truss for asbestos purlin roof, with 2 nrs 50 x 50 x 6 mm top and bottom chord and 1/50x50x6mm struts, Angle iron members 62 x 62 x 6mm 150 mm long cleats, 6 mm thick Gusset plates and 10mm thick base plates and shoe plate. and 100mm long 50 x 6 mm thk separeters . Rate to include applying one coat of metal primer , 2 coats of anticorrosive paint. (Applying paint under the T.O.'s supervision)(Different colours) Draw. No. SPES/Rate23/lr-03.	nr	5.00	135,472.00	677,360.00
33	lr13	Supplying fabricated and hoisting 50 x 50 x 6 mm double angle iron sleeper with 3 nr 16mm dia. 250mm long mild steel rod should be insert to 300 X 225 X 225 mm size 1:2:4 (3/4) concrete pad on gable wall. Including 100 mm long ,50 x 6 mm flat iron separaters at 2000 mm spacing & 150 mm long, 62 x 62 x 6 mm angle iron cleat with one coat of metal primer & two coats of anticorrosive paint (Applying paint under the T.O.'s supervision)(different colours) - (Single storied building) (Draw.No.SPES/Rate23/lr-13).	m	27.00	5,658.00	152,766.00
34	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 clour in single storied Building. (Applying paint under the T.O.'s supervision) Draw. No.SPES/Rate23/lr-12 .	m	266.00	3,474.00	924,084.00
35	lr14	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 including one coat of metal primer & two coats of Anticorrosive paint. (Single storied Building with out eave ceiling) Draw.No.SPES/Rate23/lr-14 .	nr	74.00	925.00	68,450.00
36	lr16	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/lr-14 .	nr	20.00	945.00	18,900.00
		Total carried to summary				1,841,560.00
		Painter & Decorator				
37	Pt25	Painting steelwork, One coat of metal primer and 2 coats of enamel paint including removing scale and wire brushing (different colour)(under the supervision of technical officer)	sq.m	50.00	2,129.00	106,450.00
38	Pt04	Preparing of surface & applying 2 coats of enamel paint.	sq.m	22.00	1,466.00	32,252.00
39	Pt02	Prepare and Painting new woodwork with one coat of approved primer.	sq.m	3.00	556.00	1,668.00
40	Pt30	Applying skim coat & one coats of wall filler (smooth platered new work or after preparation of old wall)	sq.m	187.00	374.00	69,938.00

ID	RS	Description	Unit	Qty.	Rate	Amount
41	Pt37	Prepare and Painting New walls with two coats of emulsion paint to internal wall (Using roller brush)	sq.m	187.00	588.00	109,956.00
42	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
43	Pt49	Preparing of surface & applying 2 coats of Black board paint	sq.m	12.00	923.00	11,076.00
44	Pt48	Painting plinth and skirting with floor paint, 2 coats including preparing surface	sq.m	21.00	826.00	17,346.00
45	Pt44a	Wethershield paint to external faces of wall 02coat apply using roller brush 2" brush(First Floor)	sq.m	120.00	613.00	73,560.00
		Total carried to summary				450,206.00
		General Works				
46	GW-SSR-48	Carrying out of anti-termite treatment in post construction work with use of Biflex solution 10% EC at the rate of 5 liter per m2 of soil area in 1: 200 liter of water dilution rate in minimum internally and 1:100 liters of water dilution rate in minimum to create an externally barrier around the unit by drilling the floor 2ft by 2ft near the foundation to a 1ft depth & injecting solution including of timber door/window frames. The rate shall include to provide a 5 year warranty certificate in minimum by a registered company.(measured by Building area only)	m2	125.00	787.00	98,375.00
		Total carried to summary				98,375.00

REPAIRING THE ROOF OF 80*20 BUILDING AT MR/ BREALAPANATHARA M.V. (REVISION OF THE ESTIMATE NO.2274)

Rate Schedule	Amount
(No Topic Assigned)	
Demolisher	199,300.00
Earth Work	10,336.00
Brick Work	61,232.00
Concretor	559,063.00
Reinforcement	4,785.00
Plasterer	232,092.00
Electrical	408,979.00
Roofer	707,795.00
Carpenter & Joiner	765,998.20
Iron Monger	1,841,560.00
Painter & Decorator	450,206.00
General Works	98,375.00
Total	<u>5,339,721.20</u>