

ESTIMATE FOR
**ROOF REPAIR OF 80'X 20' BUILDING AT MR/
THIHAGODA K.V.**

PRESENTED BY

District Engineer's (Buildings) office, Matara

Estimate Ref No: 2495

ROOF REPAIR OF 80'X 20' BUILDING AT MR/ THIHAGODA K.V.

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q	3,620,118.70	
2	VAT 18.00%	651,621.37	4,271,740.07
3	Consultant fees 3.00%	108,603.56	
4	Contingencies 10.00%	362,011.87	
5	Price Escalation 2.00%	72,402.37	543,017.80
TOTAL		(LKR)	4,814,757.87

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)

inoka nayanananthi

Checked by
(I.W)

A.D. Wickramandyake

Checked by
(E.A)

Shamali Priyanthi priyanthi

Approved/Recommended

[Signature]
Divisional Engineer (Buildings)
[Signature] **Yogananda**
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.)

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ROOF REPAIR OF 80'X 20' BUILDING AT MR/ THIHAGODA K.V.

ID	RS	Description	Unit	Qty.	Rate	Amount
A-Roof repair of 80 x 20 building						
		<u>Demolisher</u>				
1	Dm24	Removing roof tiles and timber of roof completely, stacking serviceable materials and clearing debris in single storied buildings	sq.m	220.00	521.00	114,620.00
		<i>Total carried to summary</i>				114,620.00
		<u>Roofer</u>				
2	Ro41	Supplying of imported timber for wall plates	cu.m	0.05	439,310.00	21,965.50
3	Ro34	2"X 1" (50 x 25 mm) Imported timber Reapers supplied	m	520.00	426.00	221,520.00
4	RO-SSR-40	Tiles calicut pattern, supplied	m2	63.00	1,895.00	119,385.00
5	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep went opening every vally point).	m	27.00	1,441.00	38,907.00
		<i>Total carried to summary</i>				401,777.50
		<u>Carpenter & Joiner</u>				
6	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 presavative, one coat of aluminium primer & two coats of enamel paint	m	27.00	2,059.00	55,593.00
7	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 presavative, one coat of aluminium primer & two coats of enamel paint	m	9.00	2,626.00	23,634.00
		<i>Total carried to summary</i>				79,227.00
		<u>Painter & Decorator</u>				
3	Pt24	Painting steelwork, One coat of anticorrosive paint and 2 coats of enamel paint including removing scale and wire brushing (different colour) (under the supervision of technical officer) For Trusses	sq.m	54.00	2,044.00	110,376.00
		<i>Total carried to summary</i>				110,376.00
		<u>Maintanance</u>				

ID	RS	Description	Unit	Qty.	Rate	Amount
9	Ma11	Calicut tile roof - using, supplied & available material, with frame work including applying with two coats of wood preservative black to timber and laying Calicut flat tiles.(G. floor)	sq.m	220.00	1,713.00	376,860.00
		Total carried to summary				376,860.00

B-Roof repair of 60 x20 building

Demolisher

10	Dm24	Removing roof tiles and timber of roof completely, stacking serviceable materials and clearing debris in single storied buildings	sq.m	173.00	521.00	90,133.00
11	Dm31	Removing Unloading existing Truss (Timber , steel....etc)	nr	5.00	3,459.00	17,295.00
		Total carried to summary				107,428.00

Brick Work

12	Bk01	Brickwork in 225 mm 1:5 cement : sand mortar (Ground Floor).	cu.m	1.00	30,616.00	30,616.00
13	Bk06	Brickwork 112mm in cement : sand mortar 1:5 (Ground Floor)	sq.m	3.00	3,743.00	11,229.00
14	Bk02	Brickwork in cement : sand mortar 1:5 in piers (Ground Floor).	cu.m	0.20	35,401.00	7,080.20
		Total carried to summary				48,925.20

Concretor

15	Ct40	Pad stones in cement concrete 1:2:4(3/4")(Gr.20) precast or in site (size 131/2"x131/2"x9") (Rate including shuttering & curing)	nr	10.00	1,464.00	14,640.00
		Total carried to summary				14,640.00

Plasterer

16	Pl01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing-external	sq.m	8.00	1,236.00	9,888.00
		Total carried to summary				9,888.00

Electrical

17	El003	Supply and fixing 13 Amp Socket outlet with necessary concealed conduit wiring [7/0.67 PVC Single wire (2.5 mm2) x2 , 7/0.67 Earth Wire (2.5 mm2)] all complete as per instruction (Socket - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings - krypton/Polycrome/Orange)	nr	3.00	7,998.00	23,994.00
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	RS	Description	Unit	Qty.	Rate	Amount
8	EI007	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 with safety cable and switch (Make KDK with warranty) (SLSI Approved makes) (model N56RG) (Switches - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings -krypton/Polycrome/Orange)	nr	6.00	28,964.00	173,784.00
19	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	6.00	6,859.00	41,154.00
20	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 ²) 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
21	EI057	Supplying and fixing Ceramic pulley with "D" bracket for Electricity connection. all complete as per instruction	nr	1.00	1,837.00	1,837.00
22	EI066	Supplying and fixing (7/1.04) (Cu/PVC/PVC) (Twin) Main wire (6mm ²) (Cable - ACL/Kelani/Orange/Sierra) - Cable SLS 733	m	30.00	1,033.00	30,990.00
23	EI047	Supplying and fixing consumer unit 04 way surface mounted M.C.B type (incl.32 Amp. D.P MCB,40 Amp/30 mA-D.P RCCB, 4 nrs M.C.B (6 Amp.-16 Amp.)500 encloser box & bus bar fixing Philips screws (MCB - Make -Orange electric 10kA/ Schneider/Chint EB/NB 7) (RCCB Make - Orange electric 10kA/Schneider/Chint NL1) (Enclosure - Polycrome) Original Makes with company warranty Certificate. all complete as per instruction	nr	1.00	21,008.00	21,008.00
24	EI037	Dismantling 01 Nr Lamp point / Socket out let / ceiling fan point - including all wiring , conduits, accessories .etc.	nr	9.00	273.00	2,457.00
		Total carried to summary				309,474.00
		Roofer				
25	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	190.00	2,808.00	533,520.00
26	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep went opening every vally point).	m	22.00	1,441.00	31,702.00
		Total carried to summary				565,222.00

ID	RS	Description	Unit	Qty.	Rate	Amount
		Iron Monger				
27	Ir02	Supplying and fixing 20'-0 span and 22 degree pitch steel roof truss for asbestos roof, with 2 nrs 50 x 50 x 6 mm top and bottom chord and 1/50x50x6mm struts, Angle iron members 75 x 75 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/Ir-02 .	nr	5.00	124,243.00	621,215.00
28	Ir12	Supplying and fixing Angle iron purlin 62 x 62 x6 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/Ir-12 .	m	220.00	3,474.00	764,280.00
29	Ir13	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) concrète 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 x6 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/Ir-13).	m	17.00	5,658.00	96,186.00
		Total carried to summary				1,481,681.00



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Rate Schedule	Amount
A-Roof repair of 80 x 20 building	
Demolisher	114,620.00
Rofer	401,777.50
Carpenter & Joiner	79,227.00
Painter & Decorator	110,376.00
Maintanance	376,860.00
B-Roof repair of 60 x20 building	
Demolisher	107,428.00
Brick Work	48,925.20
Concretor	14,640.00
Plasterer	9,888.00
Electrical	309,474.00
Rofer	565,222.00
Iron Monger	1,481,681.00
Total	<u><u>3,620,118.70</u></u>