

ESTIMATE FOR

**ROOF REPAIRING OF 80 *20 BUILDING AT G/
HAPPITIYA K.V. - THAWALAMA**

PRESENTED BY

District Engineering Building Department - Galle

Estimate Ref. No: 2090

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q		
2	VAT 18.00%	3,436,618.50	
3	Consultant fees 0.00%	618,591.33	4,055,209.83
4	Contingencies 10.00%	0.00	
5	Price Escalation 0.00%	343,661.85	
		0.00	343,661.85
TOTAL		(LKR)	4,398,871.68

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 *pradeep lasantha*
(S.I.W)

Checked by *jagath chandrasekara*
(I.W)

Checked by *enoka priyadarshani*
(E.A)

Approved/Recommended

[Signature]
Divisional Engineer (Buildings)
Eng. W.P.G.C.Sadaruwan
Divisional Engineer (Buildings)
District Engineer (Buildings) Substitute
Pettigalawaththa, Galle.

Approved/Recommended

District Engineer (Buildings)
Galle

Approved

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

ROOF REPAIRING OF 80 *20 BUILDING AT G/ HAPPITIYA K.V. - THAWALAMA

Rate Schedule	Amount
(No Topic Assigned)	
Demolisher	100,623.50
Earth Work	23,137.00
Concretor	142,826.00
Pavior	121,856.00
Plasterer	52,383.00
Roofer	431,784.00
Iron Monger	2,511,147.00
Painter & Decorator	2,912.00
Form work	49,950.00
Total	3,436,618.50

ROOF REPAIRING OF 80 *20 BUILDING AT G/ HAPPIYA K.V. - THAWALAMA

ID	RS	Description	Unit	Qty.	Rate	Amount
(No Topic Assigned)						
		Demolisher				
1	Dm20	Removing and stacking corrugated asbestos sheets with roof frame GF	sq.m	236.00	278.00	65,608.00
2	Dm31	Removing Unloading existing Truss (Timber , steel....etc)	nr	7.00	3,459.00	24,213.00
3	Dm10	Demolishing floors 3" thick brick paved, stacking reuseable bricks and clearing debris away from site	sq.m	35.00	281.00	9,835.00
4	Dm08	Demolishing brickwork in cement clearing debris away from site	cu.m	0.50	1,935.00	967.50
		Total carried to summary				100,623.50
		Earth Work				
5	Ew07	Excavation for foundation by manually in any material except rock requiring blasting, part return fill in and ram, and disposing surplus within site as directed. (not exceeding 5ft depth)	cu.m	1.00	2,010.00	2,010.00
6	Ew06	Drains, earth, in any soil except rock requiring blasting cut to gradient and shape as directed and depositing soil within site (manually)	cu.m	6.00	1,712.00	10,272.00
7	Ew09	Filling under floors with gravel or other approved quality of filling, spread, water and well rammed in 3"layers with available earth	cu.m	5.00	2,171.00	10,855.00
		Total carried to summary				23,137.00
		Concretor				
8	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	14.00	1,479.00	20,706.00
9	Ct10	Cement concrete 1:2 1/2:5(1")mix: above 3.0 m3 (Shuttering paid separately) incl: curing. Using mixture.	cu.m	5.00	24,424.00	122,120.00
		Total carried to summary				142,826.00
		Pavior				
10	Pa03	Floors, cement concrete 1:2 1/2: 5 (25 mm Metal) 75 mm thick, cement rendered 12.5 mm 1:3 with expansion joints filled with cement and sand	sq.m	32.00	3,808.00	121,856.00
		Total carried to summary				121,856.00
		Plasterer				

ID	RS	Description	Unit	Qty.	Rate	Amount
11	PI05	1/2" thk 1:2 Cement Rendering finished smooth with neat cement floating ; G/F:(Water Proofing purpose only) rate to include Curing	sq.m	33.00	1,513.00	49,929.00
12	PI01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing	sq.m	2.00	1,227.00	2,454.00
		Total carried to summary				52,383.00
		Roofer				
13	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	118.00	2,808.00	331,344.00
14	Ro01	Corrugated sheets asbestos fixed with 1/4"x7" j bolts and nuts with washers or 12 X 4 1/2" roofing screws to roof (Corrugated sheets available).	sq.m	118.00	535.00	63,130.00
15	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep went opening every vally point).	m	26.00	1,435.00	37,310.00
		Total carried to summary				431,784.00
		Iron Monger				
16	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
17	Ir08	Mild steel web truss (for asbestos roof) 6.00 m span centre to centre 22 degree pitch with 900 mm wide eaves at both sides, of 2nr 62 x 62 x 6 mm angle as top and bottom bars, 1 nrs 25 x 25 x 6 mm angle as strut and tie, 6 mm thick gusset plates, 10mm thick base plates & shoe plates, 3/4" dia M.S. rag bolts 75 x 75 x 6 mm size 150mm long puling cleats , 100 mm long 50 x 6 mm separaters. Rate to include for fabricating, transport, hoisting fixing in position and applying one coat of metal primer & two coats of anticorrosive paint (Applying paint under the T.O.'s supervision) for Asbestos roof with ahgle iron frame Draw.No.SPES/Rate23/Ir-08 .	nr	2.00	176,620.00	353,240.00

Amount	RS	Description	Unit	Qty.	Rate	Amount	
49,929.00	18	Ir12	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/Ir-12 .	m	114.00	3,474.00	396,036.00
	19	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) concrete pad on gable wall. Including 100 mm long ,50 x 6 mm flat iron separators at 2000 mm spacing & 150mm 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/Ir-13).	m	9.00	5,662.00	50,958.00
	20	Ir15	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/Ir-14.	nr	68.00	1,251.00	85,068.00
	21	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
	22	Ir27	Iron door with Flat iron grill .Door Frame with 32 x 32 x 5mm angle Iron frame and Sash with 11.5 x 5.5mm flat iron grill work 100 mm centers horizontally and 150 mm centers vertically fabricating and welded to upper part of door sash with 20 x 20 x 1.2 mm thick G.I. box bar outer frame & the lower part of the door sash should be .47mm thk Zn Al sheet with 12 x 6 mm flat iron and 20 x 6 mm flat Iron ,Applying one coats of metal primer (red clour) and two coats of enamel paint Black or different colour.(3'-0" x 7'-0" size) including Hasp & staple 6" with approved quality Brass 2" padlock.	sq.m	10.00	19,693.00	196,930.00
	23	Ir21	Supplying and making 6 mm dia. M.S. rod grills for windows with 25x25x3 mm thick M.S. angle iron outer frame with 4 nr 25 x 25 x 3 mm angle iron(2 nr together) middle bar vertically and 2 nr together 25 x 25 x 3 mm angle iron middle bar horizontally & 6 mm dia. M.S. rods weld to frame, at 75 mm C/C. & to 700 angle both ways, horizontal & vertical distance should be 75 mm & 200 mm respectively. Frame fixed to window openings with 1 1/2" iron screws & applying one coats of metal primer & 2 coats of approved quality enamel paint(different colour)(9'-3"x6'-0" size) all complet as per detail Draw. No :SPES/Rate23/Ir-21	sq.m	80.00	9,860.00	788,800.00

ID	RS	Description	Unit	Qty.	Rate	Amount
		Total carried to summary				2,511,147.00
		Painter & Decorator				
24	Pt31	Applying skim coat & one coats of wall filler for internal wall. (semi rough plastered new work or after preparation of old wall)	sq.m	2.00	640.00	1,280.00
25	Pt38	Prepare and Painting Walls with 2 coats of Emulsion paint including surface preparation of old wall.	sq.m	2.00	816.00	1,632.00
		Total carried to summary				2,912.00
		Form work				
26	Fw04	Sawn timber (class II) formwork for sides of foundation footings.	sq.m	27.00	1,850.00	49,950.00
		Total carried to summary				49,950.00