

ESTIMATE FOR
**ROOF REPAIR OF 60 X 20 BUILDING IN
MR/PITABEDDARA SECONDARY SCHOOL.**

PRESENTED BY
District Engineer's (Buildings) office, Matara

Estimate Ref. No: 2471

ROOF REPAIR OF 60 X 20 BUILDING IN MR/PITABEDDARA SECONDARY SCHOOL.

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q	4,022,417.00	
2	VAT 18.00%	724,035.06	4,746,452.06
3	Consultant fees 3.00%	120,672.51	
4	Contingencies 10.00%	402,241.70	
5	Price Escalation 2.00%	80,448.34	603,362.55
TOTAL		(LKR)	5,349,814.61

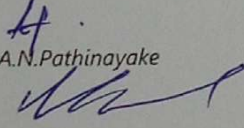
This estimate was prepared on the instruction of District Engineer (Buildings) and the rate prevailing in 2025 First Half - 2025/01/05.

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

Prepared by
(S.I.W)


N.G. Rohana

Checked by
(I.W)


A.N. Pathinayake

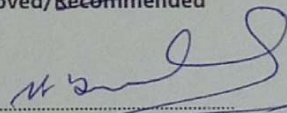
Checked by
(EA)

Manoja Gulawita

Approved/Recommended

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Divisional Engineer (Buildings)

Approved/Recommended


District Engineer (Buildings)
Mathara

05/03/2025
Eng. V.K.K. Juwanabadu
District Engineer (Buildings)
District Engineer (Buildings) Office
Pallimulla, Matara.

Approved

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

ROOF REPAIR OF 60 X 20 BUILDING IN MR/PITABEDDARA SECONDARY SCHOOL.

Rate Schedule	Amount
60'x20'building repairing	
Demolisher	164,982.00
Earth Work	41,750.00
Concretor	142,920.00
Pavior	405,972.00
Plasterer	220,214.00
Roofer	597,477.00
Carpenter & Joiner	127,658.00
Iron Monger	1,958,064.00
Painter & Decorator	363,380.00
Total	4,022,417.00

ROOF REPAIR OF 60 X 20 BUILDING IN MR/PITABEDDARA SECONDARY SCHOOL.

ID	RS	Description	Unit	Qty.	Rate	Amount
60'x20'building repairing						
		<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	202.00	521.00	105,242.00
2	Dm10	Demolishing floors 3" thick brick paved, stacking reuseable bricks and clearing debris away from site	sq.m	110.00	281.00	30,910.00
3	Dm37	Removing and stacking 2"x2" GI mesh from existing frames	sq.m	55.00	346.00	19,030.00
4	Dm15	Removing lime plastering and clearing debris away from site.internal and external	sq.m	70.00	140.00	9,800.00
		<i>Total carried to summary</i>				164,982.00
		<u>Earth Work</u>				
5	Ew13	Filling under floors with gravel or other approved quality of filling, spread, watered and well rammed in 3" layers (materials not available at site)(Transport within first mile)pavement	cu.m	10.00	4,175.00	41,750.00
		<i>Total carried to summary</i>				41,750.00
		<u>Concretor</u>				
6	Ct10	Cement concrete 1:2 1/2:5(1")mix: above 3.0 m3 (Shuttering paid separately) incl: curing. Using mixture.pavement	cu.m	6.00	23,820.00	142,920.00
		<i>Total carried to summary</i>				142,920.00
		<u>Pavior</u>				
7	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	108.00	3,759.00	405,972.00
		<i>Total carried to summary</i>				405,972.00
		<u>Plasterer</u>				
8	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	70.00	391.00	27,370.00
9	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.pavement	sq.m	76.00	1,399.00	106,324.00
10	PI01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing. wall	sq.m	70.00	1,236.00	86,520.00
		<i>Total carried to summary</i>				220,214.00

ID	RS	Description	Unit	Qty.	Rate	Amount
		Roofer				
11	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	202.00	2,808.00	567,216.00
12	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep vent opening every vally point).	m	21.00	1,441.00	30,261.00
		Total carried to summary				597,477.00
		Carpenter & Joiner				
13	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	62.00	2,059.00	127,658.00
		Total carried to summary				127,658.00
		Iron Monger				
14	Ir03	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 separators. 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-03.	nr	5.00	135,472.00	677,360.00
15	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 & 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/Ir-13).	m	18.00	5,658.00	101,844.00
16	Ir14	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/Ir-14.	nr	56.00	925.00	51,800.00

	RS	Description	Unit	Qty.	Rate	Amount
17	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	24.00	945.00	22,680.00
18	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	55.00	9,860.00	542,300.00
19	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	126.00	3,474.00	437,724.00
20	Ir28	Iron door with 6 mm dia. M.S. grill - Fabricating and fixing Iron door Door Frame with 32 x 32 x6 mm angle Iron (Heavy quality) and Sash with 20 mm Ø dia. G.I pipe outer frame (Heavy quality) with 1nr middle bar. 6mm M.S steel bars welded to upper part of sash frame at 75mm c/c bothways at 700 Angle .12x6 mm thick flat iron welded around the lower part of the frame and 2 nr 20x6 mm thick intermediate flat iron welded horizontally ,and 0.47 thick Zn/Al sheet fixed to flat iron frame with pop rivets. Door sash fixed to frame with 03nr 100 x75mm steel hinges. Applying one coat of metal primer and two coats of enamel paint(Differant colour) . Rate to include 6" Hasp and staple with approved quality 50mm Brass pad lock. Draw.No.SPES/Rate23/Ir-28.	sq.m	6.00	20,726.00	124,356.00
		Total carried to summary				1,958,064.00
		Painter & Decorator				
21	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	170.00	640.00	108,800.00
22	Pt38	Prepare and Painting Walls with 2 coats of Emulsion paint including surface preparation of old wall.	sq.m	170.00	816.00	138,720.00
23	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	110.00	233.00	25,630.00

	RS	Description	Unit	Qty.	Rate	Amount
24	Pt44	Wethershield paint to external faces of wall 02coat apply using roller brush, 2" brush (ground Floor)	sq.m	110.00	595.00	65,450.00
25	Pt48	Painting plinth and skirting with floor paint, 2 coats including preparing surface	sq.m	30.00	826.00	24,780.00
		Total carried to summary				363,380.00