

ESTIMATE FOR  
**CONSTRUCTION OF RETAINING WALL AT MR/  
YATYANA K.V.**

PRESENTED BY

District Engineer's (Buildings) office, Matara



# CONSTRUCTION OF RETAINING WALL AT MR/ YATIANA K.V.

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q	5,957,523.00	
2	VAT 18.00%	1,072,354.14	7,029,877.14
3	Consultant fees 3.00%	178,725.69	
4	Contingencies 10.00%	595,752.30	
5	Price Escalation 2.00%	119,150.46	893,628.45
TOTAL		(LKR)	7,923,505.59

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 nayanakanthi*

Checked by  
(I.W)

*A.D. Wickramanayake*

Checked by  
(E.A)

*Shamali Priyanthi priyanthi*

Approved/Recommended

Divisional Engineer (Buildings)

Eng. N. Yogananda

Divisional Engineer

For District Engineer (Buildings)

District Engineer (Buildings) Office

Pallimulla, Mathara

Approved/Recommended

District Engineer (Buildings)

Mathara

Eng. V.K.K. Juwanabadu

District Engineer (Buildings)

District Engineer (Buildings) Office

Approved

Chief Engineer (S.B/O.B)

Director of Buildings

Deputy Chief Secretary (Eng. Ser.)



**CONSTRUCTION OF RETAINING WALL AT MR/ YATYANA K.V.**

02

ID	RS	Description	Unit	Qty.	Rate	Amount
<b>A-Removing &amp; refixing existing roof</b>						
		<b>Preliminaries</b>				
1	PS	Provisional Sum removing and refixing PVC coated wire mesh	PS	1.00	15,000.00	15,000.00
		Total carried to summary				15,000.00
		<b>Demolisher</b>				
2	Dm24	Removing roof tiles and timber of roof completely, stacking serviceable materials and clearing debris in single storied buildings	sq.m	11.00	521.00	5,731.00
3	Dm08	Demolishing brickwork in cement clearing debris away from site	cu.m	1.00	1,935.00	1,935.00
		Total carried to summary				7,666.00
		<b>Roofer</b>				
4	RO-SSR-40	Tiles calicut pattern, supplied in Two Storied Building	m2	6.00	1,895.00	11,370.00
5	Ro34	2"X 1" (50 x 25 mm) Imported timber Reapers supplied	m	40.00	426.00	17,040.00
6	Ro36	Supplying of 100 x 50mm rafters Imported timber	m	30.00	1,739.00	52,170.00
		Total carried to summary				80,580.00
		<b>Maintanance</b>				
7	Ma11	Calicut tile roof - using, supplied & available material, with frame work including appling with two coats of wood preservative black to timber and laying Calicut flat tiles.( G. floor )	sq.m	11.00	1,713.00	18,843.00
		Total carried to summary				18,843.00
<b>B-Construction of Retaining wall</b>						
		<b>Earth Work</b>				
8	Ew08	Excavation by machine for foundation in any material except requiring blasting , part return fill in and ram, and depositing surplus within site as directed	cu.m	60.00	853.00	51,180.00
9	Ew25	Supplying and placing 110 mm U.P.V.C pipe( Type 250) in retaining walls as required	m	102.00	1,226.00	125,052.00
0	Ew24	Supplying, laying of 25 mm - 200 mm dry stone (for retaining wall)	cu.m	45.00	6,759.00	304,155.00
1	Ew27	Supplying and placing the 25 mm thick regifoam through the retaining wall joints.	sq.m	35.00	762.00	26,670.00



ID	RS	Description	Unit	Qty.	Rate	Amount
12	Ew16	Backfilling and compacting to behind of retaining wall with suitable quality earth including loading & transport within 1km using rammer.	cu.m	115.00	3,313.00	380,995.00
13	Ew02	Earth cutting by machine & push within 100 m from site (rate to include operator & helper )	cu.m	235.00	262.00	61,570.00
14	Ew26	Supplying and laying Geo-textile material 2.5 mm thick Including preparing surface as per instruction	sq.m	130.00	899.00	116,870.00
		Total carried to summary				1,066,492.00
		<b>Concretor</b>				
15	Ct03	Cement concrete 1:3:6 (1") above 3.00 m3 (Shuttering paid separately) incl: curing.Using mixture & vibrator(Grade 15)	cu.m	30.00	21,675.00	650,250.00
16	Ct08	Plums concrete -1:3:6(1") concrete above 3.0 m3 with 20% volume of 4" x 6" Rubble. (shuttering paid separately) Rate to include vibrator, pilling of plumbs & curing.	cu.m	196.00	18,703.00	3,665,788.00
		Total carried to summary				4,316,038.00
		<b>Form work</b>				
17	Fw04	Sawn timber (class II) formwork for sides of foundation footings.	sq.m	30.00	1,850.00	55,500.00
18	Fw01	Shuttering for plum concrete by using 15mm thick plywood sheets. Flywood board should be fixed to timber frame with 4"x2" timber vertically at 600mm c/c and 50x50mm timber horizontally at 600mm c/c.Prepared shuttering board should be fixed to required measurements by using 8nr G.I. pipes,(2nr pipes at bottom,2nr pipes on top for both sides) 10nr Acro jacks,10mm dia: thread bars,1" P cone and form ties at 1200mm c/c horizontally (minium 2 layers for a board).( Rate to include 100mm high 3mm thick sponge layer stick on one side to concrete wall at every lapping face, 1/2" dia: conduit for covering thread bars,mould oil,and dismantling same when required.) (2/16'-0"x9'-6"=304.00 ft2)(As per detail Drawing No SPES/Rate 23/Fw-01)Assure smooth surface finish used plywood sheet	sq.m	332.00	1,197.00	397,404.00
		Total carried to summary				452,904.00



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Rate Schedule	Amount
A-Removing & refixing existing roof	
Preliminaries	15,000.00
Demolisher	7,666.00
Roofer	80,580.00
Maintanance	18,843.00
B-Construction of Retaining wall	
Earth Work	1,066,492.00
Concretor	4,316,038.00
Form work	452,904.00
Total	5,957,523.00