

ESTIMATE FOR

**RENOVATION OF 60*20 BUILDING (REVISED
ESTIMATE) AT G/ MABOTUWANA K.V. -
WANDURAMBA**

PRESENTED BY

District Engineering Building Department - Galle

Estimate Ref. No: 2098

RENOVATION OF 60*20 BUILDING (REVISED ESTIMATE) AT G/ MABOTUWANA K.V. - WANDURAMBA

Item	Description	Amount (LKR)	Total (LKR)
1	Estimated Amount As per Attached B.O.Q		
2	VAT 18.00%	6,020,976.90	
3	Consultant fees 0.00%	1,083,775.84	7,104,752.74
4	Contingencies 10.00%	0.00	
5	Price Escalation 2.00%	602,097.69	
		120,419.54	722,517.23
	TOTAL	(LKR)	7,827,269.97

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) Jeewananda Liyanaarachchi

Checked by (I.W) K.J.T.Anusha Priyangika kjt

Checked by (E.A) enoka priyadarshani

Approved/Recommended

Divisional Engineer (Buildings)

Eng. P.R. Dhanuka Dulshan
Divisional Engineer (Buildings)

District Engineer (Buildings) Substitute
Pettigalawaththa, Galle.

Approved/Recommended

District Engineer (Buildings)

Galle

Eng. A.A.C. Mendis

District Engineer (Buildings)

District Engineer (Buildings) Office

Pettigalawaththa, Galle.

Approved

Chief Engineer (S.B/O.B)

Director of Buildings

Deputy Chief Secretary (Eng. Ser.)

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RENOVATION OF 60*20 BUILDING (REVISED ESTIMATE) AT G/ MABOTUWANA K.V. - WANDURAMBA

Rate Schedule	Amount
(No Topic Assigned)	
Demolisher	237,660.00
Earth Work	8,040.00
Brick Work	68,826.30
Concretor	766,665.70
Reinforcement	402,459.00
Plasterer	410,567.00
Electrical	441,547.00
Roofer	561,820.50
Carpenter & Joiner	63,349.20
Iron Monger	2,496,136.70
Painter & Decorator	325,265.00
Form work	238,640.50
Total	6,020,976.90

RENOVATION OF 60*20 BUILDING (REVISED ESTIMATE) AT G/ MABOTUWANA K.V. -

WANDURAMBA

ID	RS	Description	Unit	Qty.	Rate	Amount
(No Topic Assigned)						
		<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	184.00	521.00	95,864.00
2	Dm31	Removing Unloading existing Truss (Timber , steel....etc)	nr	5.00	3,459.00	17,295.00
3	Dm38	Removing and stacking ,2"x2" GI mesh or Iron grill with frame from wall.	sq.m	58.00	577.00	33,466.00
4	Dm09	Demolishing brickwork in lime stacking brick and clearing debris away from site.	cu.m	5.00	2,549.00	12,745.00
5	Dm05	Demolishing rubble masonry in cement, stacking rubble and clearing debris away from site	cu.m	4.00	3,845.00	15,380.00
6	Dm12	Demolishing Cement concrete floor , and clearing debris in away from site (3" thick)	cu.m	10.00	6,142.00	61,420.00
7	Dm15	Removing lime plastering and clearing debris away from site	sq.m	6.00	140.00	840.00
8	Dm40	Removing and stacking Timber Door or Window sash from existing frame	sq.m	5.00	130.00	650.00
		<i>Total carried to summary</i>				237,660.00
		<u>Earth Work</u>				
9	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	4.00	2,010.00	8,040.00
		<i>Total carried to summary</i>				8,040.00
		<u>Brick Work</u>				
10	Bk01	Brickwork in 225 mm 1:5 cement : sand mortar (Ground Floor).	cu.m	0.70	31,809.00	22,266.30
11	Bk06	Brickwork 112mm in cement : sand mortar 1:5 (Ground Floor)	sq.m	12.00	3,880.00	46,560.00
		<i>Total carried to summary</i>				68,826.30
		<u>Concretor</u>				
12	Ct01	Cement concrete 1:3:6 (1") up to 3.00 m3(Shuttering paid separately) incl: curing(Grade 15)	cu.m	1.00	32,374.00	32,374.00
13	Ct54	Cement Concrete 1 : 1 1/2 : 3 (3/4") (R/F and Shuttering paid separately) (GRADE 25)incl: mixer vibrater and curing	cu.m	2.00	29,815.00	59,630.00

ID	RS	Description	Unit	Qty.	Rate	Amount
14	Ct55	Cement concrete 1 : 1 1/2 : 3 (3/4") in column shafts in ground floor, using mixer and vibrator. (Reinforcement, shuttering and finishes paid separately). (GRADE 25).including curing	cu.m	2.00	30,096.00	60,192.00
15	Ct56	Cement concrete 1: 1 1/2: 3(3/4") in beams in ground floor, using mixer and vibrator. Incl. curing (Reinforcement, shuttering and finishes paid separately).(GRADE 25).	cu.m	2.60	31,418.00	81,686.80
16	Ct36	Cement concrete 1:2:4(3/4") (Gr.20 concrete) (R/F and Shuttering paid separately)incl: curing(manual mixing up to 3m3)	cu.m	0.30	32,483.00	9,744.90
17	Ct10	Cement concrete 1:2 1/2:5(1")mix: above 3.0 m3 (Shuttering paid separately) incl: curing. Using mixture.	cu.m	12.00	24,424.00	293,088.00
18	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 1:21/2:5 (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	50.00	4,599.00	229,950.00
		Total carried to summary				766,665.70
		Reinforcement				
19	Rf01	10mm Tor steel for column-Up to DPC	kg	105.00	435.00	45,675.00
20	Rf02	12mm Tor steel in column and roof beam- Ground floor	kg	308.00	476.00	146,608.00
21	Rf02	10mm Tor steel in copping-Ground floor	kg	43.00	476.00	20,468.00
22	Rf11	6mm MildSteel links in column shaft-Up to DPC	kg	12.00	381.00	4,572.00
23	Rf12	6mm Mild Steel links -Ground floor	kg	456.00	406.00	185,136.00
		Total carried to summary				402,459.00
		Plasterer				
24	PI01	Cement Sand plastering to wall 1:5, (5/8") thick semi rough G: floor rate to include curing	sq.m	40.00	1,227.00	49,080.00
25	PI02	3/8 " Thick plastering to RCC beams, slab soffit , column in cement and sand 1:3 (G: Floor)	sq.m	55.00	1,644.00	90,420.00
26	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	160.00	1,393.00	222,880.00
27	PI09	3/4" thk Rendering in Cement and sand 1:3 in floors finished smooth Rate to include curing, - Ground floor	sq.m	11.00	1,928.00	21,208.00
28	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	69.00	391.00	26,979.00
		Total carried to summary				410,567.00

ID	RS	Description	Unit	Qty.	Rate	Amount
		Electrical				
29	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
30	EI048	Supplying and fixing consumer unit 06 way surface mounted M.C.B type (incl.32 Amp. D.P MCB,40 Amp/30 mA-D.P RCCB, 6 nrs M.C.B (6 Amp.-16 Amp.)700 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- Polycrome) Original Makes with company warenty Certificate. all complete as per instruction.	nr	1.00	24,167.00	24,167.00
31	EI003	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
32	EI006	Supply and fixing 56" sweep ceiling fan with electronic fan speed controller concealed conduit wiring.(1/1.13 wire 1.0mm2, 1/1.13 earth wire 1mm2 including gang switch)all complete as per instruction Make (USHA ATOM EX 56 " / Telesonic Supreme with safety switch and cable) with 2 years warenty (SLSI Approved makes) (Switches - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings -krypton/Polycrome/Orange)	nr	3.00	24,150.00	72,450.00
33	EI018	Supply and fixing 01 No. Pendent type lamp(12W LED Bulb - efficacy:85 lumen/W or above with two years warenty) 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	8.00	6,859.00	54,872.00
34	EI079	Supplying & fixing 7/1.04(6mm2) , 2 core (Cu/PVC/PVC) (single phase main wire) & 7/1.04(6mm2) earth wire , incl: PVC conduit all complete as per instruction(Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome)[Cable SLS 733]	m	100.00	1,720.00	172,000.00
35	EI038	Supplying & fixing 20A 2 pole switch with Neon indicator type incl: single Sunk box all complete as per instruction (Switch - ACL/Chint/Krypton/Orange) [Switch SLS 1000](fittings - krypton/Polycrome/Orange)	nr	1.00	2,262.00	2,262.00

ID	RS	Description	Unit	Qty.	Rate	Amount
36	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
37	EI057	Supplying and fixing Ceramic pulley with "D" bracket for Electricity connection. all complete as per instruction	nr	4.00	1,837.00	7,348.00
38	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
39	EI153	Supplying & fixing 2 1/2" dia (5800mm long) GI Pipe (2.3mm thickness) pole (original company makes "Pakistan") including Gr 20 concrete & two coats of anticorrosive paint & covered with welded steel plates or end cap to the top of pole. Rate to including drilling, erection, & installation all complete as per the instruction	nr	2.00	31,735.00	63,470.00
		Total carried to summary				441,547.00
		<u>Roofer</u>				
40	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	189.50	2,808.00	532,116.00
41	Ro04	Ridging, Calicut pattern, bedded in cement and lime mortar 1:1:4, colour to match tiles. (Keep vent opening every vally point).	m	20.70	1,435.00	29,704.50
		Total carried to summary				561,820.50
		<u>Carpenter & Joiner</u>				
42	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	41.20	970.00	39,964.00
43	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	18.10	1,292.00	23,385.20
		Total carried to summary				63,349.20
		<u>Iron Monger</u>				

ID	RS	Description	Unit	Qty.	Rate	Amount
44	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
45	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 colour in single storied Building. (Applying paint under the T.O.'s supervision) Draw. No.SPES/Rate23/Ir-12 .	m	247.50	3,474.00	859,815.00
46	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	18.10	5,662.00	102,482.20
47	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	58.00	925.00	53,650.00
48	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
49	Ir23	Supplying, and fabricating 12mm dia. M.S. rods grill, consisting 25 x 6 mm flat iron outer frame, with 2 nr 25 x 6 mm flat iron horizontally weld to equal length of outer frame. 12mm M.S rods, passing through the drilled middle flat iron at 100mm c/c weld vertically to outer frame . Applying one coat of metal primer and two coats of enamel paint(different colour). Frame fixing to opening , using 1 1/2" iron screws and rawl plugs as per the given Draw. No: SPES/Rate23/Ir-23. (1.20x1.80m)	sq.m	57.80	11,137.00	643,718.60

ID	RS	Description	Unit	Qty.	Rate	Amount
50	Ir29	Iron door with 12 mm dia. M.S. bar - Fabricating & fixing Iron door ,Door Frame with 32 x 32 x 5 mm angle Iron(Heavy quality) frame and Sash with 25 x 25 x 1.2 mm thick G.I. box bar, outer frame with one nr. horizontal middle bar. 12mm dia M.S Rods passing through the drilled 25x6mm Flat iron middle bar welded to upper part of the sash frame at 100 mm c/c vertically. 12 x 6 mm thick flat iron welded around the lower part of the door sash and 2 nr. intermediate 20 x 6 mm flat iron weded horizontally. should be .47mm thk Zn Al sheet fixed to flate iron frame with pop riverts.Door sash fixed to frame with 03 nr.s of 100 x 75 mm steel hinges. 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 & staple6" with approved quality Brass 2" padlock.	sq.m	6.30	16,183.00	101,952.90
51	Ir24	Supplying,and fabricating 12mm M.S rod grill, consisting 25 x 6 mm flat iron outer frame, and weld 1 nr 25 x 6 mm flat iron horizontally weld to equal length of outer frame.12mm M.S rods, passing through the drilled middle flat iron at 100mm c/c weld vertically to outer frame . Applying one coat of metal primer and two coats of enamel paint(different colour). Frame fixing to opening , using 1 1/2" iron screws and rawl plugs as per the given Draw.No. SPES/Rate23/Ir-24. (0.60 x 1.20m)	sq.m	2.00	17,239.00	34,478.00
		Total carried to summary				2,496,136.70
Painter & Decorator						
52	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	175.00	640.00	112,000.00
53	Pt37	Prepare and Painting New walls with two coats of emulsion paint to internal wall (Using roller brush)	sq.m	175.00	588.00	102,900.00
54	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	105.00	233.00	24,465.00
55	Pt44	Wethershield paint to external faces of wall 02coat apply using roller brush 2" brush (ground Floor)	sq.m	105.00	595.00	62,475.00
56	Pt47	Painting plinth and skirting with floor paint, 1 coat including preparing surface	sq.m	20.00	479.00	9,580.00
57	Pt49	Preparing of surface & applying 2 coats of Black board paint	sq.m	15.00	923.00	13,845.00
		Total carried to summary				325,265.00
Form work						
58	Fw04	Sawn timber (class II) formwork for sides of foundation footings.	sq.m	8.50	1,850.00	15,725.00

ID	RS	Description	Unit	Qty.	Rate	Amount
59	Fw09a	Shuttering for column shaft 225 x225mm including 2mm iron plate and 25mm x 25mmx3mm angle iron welded to bended plate horizontally at 300mm c/c. Rate to include U clips,acro jacks.and dismantling same when required(Rate to include 100mm high 3mm thick sponge layer stick on around concrete column at every lapping face)(As per detail Drawing No SPES/Rate 23/Fw-09)-First floor	sq.m	31.50	2,186.00	68,859.00
60	Fw19a	Shuttering for beam sides & soffit in 15 mm thk plywood sheets Class (II) timber, joists and necessary props etc. (Rate to include for dismantling same when required).1st floor	sq.m	32.50	4,241.00	137,832.50
61	Fw17	Shuttering for 4 1/2"X 3" concrete coping using Class (II) timber planks (Rate to include dismantling same when required).for both sides	m	32.00	507.00	16,224.00
		Total carried to summary				238,640.50