

County Government of Elgeyo Marakwet
Proposed Twin ECD Classrooms and Pit Latrine

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>SUBSTRUCTURES (All provisional)</u>				
	<u>Site clearance</u>				
A	Clear site to remove shrubs and other vegetation and cart away debris	184	sm		
	<u>Excavations to Reduce Levels</u>				
B	Excavate vegetable top soil average 150 mm deep and Cart away debris as directed	184	sm		
	<u>Excavations for Hardcore Pits</u>				
C	Excavate 300mm deep for Hardcore pit and cart away debris as directed	55	cm		
	<u>Excavations for trenches</u>				
D	Excavate foundation trench not exceeding 1.5 m deep starting from stripped level and stock material arising awaiting direction	51	cm		
	<u>Backfilling</u>				
E	Return fill and ram in selected excavated material around foundation wall sides 200 mm wide	44	cm		
	<u>Hardcore Laying</u>				
F	300mm thick approved hardcore filling consolidated and rolled in layers not exceeding 150mm thick.	46	cm		
	<u>Murram Blinding</u>				
G	50mm thick murram blinding to surfaces of hard-core with approved fine inert material.	184	sm		
	<u>Anti termite treatment</u>				
H	"Termidor" or equal Insecticide treatment to surface of blinding with 10 year guarantee	184	sm		
	<u>Blinding Layer to Footing</u>				
J	Lean concrete (1:4:8) in:- 50mm thick blinding under strip foundations.	51	sm		
	<u>Vibrated Concrete Class 20/20 (1:2:4), no concrete shall be mixed by hand to:-</u>				
K	125 mm thick floor slab.	184	sm		
L	600x200mm thick strip foundation footing	10	cm		
	<u>Total for page 1 to Substructure Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Steel Fabric Reinforcement</u>				
A	B.R.C Mesh Reinforcement Ref A142 weighing 2.22 KG/SM with minimum 300 mm end and side laps(measured nett)	184	sm		
	<u>Sawn Cypress Formwork to BS 5975 to;</u>				
B	Edge of slab 125 mm wide.	52	Lm		
	<u>Foundation Walling</u>				
C	200mm thick Natural quarry stone walling fine cut bedded in mortar (1:4) and including hoop iron 25mm wide,gauge 16 at every alternate course	111	sm		
	<u>Damp proofing</u>				
	<u>DPM</u>				
D	1000 gauge damp proof membrane laid with minimum 300 mm side and end laps	184	sm		
	<u>DPC</u>				
E	200 mm wide bituminous based damp proof course on walls with 150mm wide overlaps	85	Lm		
	<u>Plinths</u>				
F	Render and set 12 mm thick cement and sand (1:4) plaster to plinth	205	sm		
G	Prepare and apply three coats gloss emulsion paint to rendered surfaces externally	205	sm		
	<u>Rock</u>				
H	Allow an item as contingency for Rock excavation	2	cm		
	<u>Paving Slabs</u>				
J	600x600x50mm thick pre cast concrete paving slabs in sand/Murram bedding to approval	68	sm		
	<u>Reinforcements</u>				
	High tensile Square twisted bar Reinforcements including tying wires and spacer blocks				
K	12 mm diameter bars	207	Kgs		
L	8 mm diameter bars	138	Kgs		
	Collection of Substructure				
	From Page 1				
	From Page 2				
	<u>Substructures Totals to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING SUPERSTRUCTURES</u>				
	<u>STONE WALLING</u>				
A	200mm thick Natural quarry stone walling fine cut bedded in mortar (1:4) and including hoop iron 25mm wide,gauge 16 at every alternate course	116	sm		
	<u>RINGBEAM</u>				
	<u>Concrete</u>				
B	Vibrated concrete mix 1:2:4 to ringbeam	4	cm		
	<u>Reinforcements</u>				
	High tensile Square twisted bar Reinforcements including tying wires and spacer blocks				
C	12 mm diameter bars	207	Kgs		
D	8 mm diameter bars	138	Kgs		
	<u>Sawn cypress Formwork to BS 5975</u>				
E	to sides of ring beam	35	sm		
	<u>Gable Walling</u>				
F	200mm thick Natural quarry stone walling fine cut bedded in mortar (1:4) and including hoop iron 25mm wide,gauge 16 at every alternate course	147	sm		
	<u>Superstructure Walling to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT 03</u> <u>WINDOWS</u> Standard heavy duty steel casement window with fasteners and stays complete with permanent vents with mosquito gauze fixed to masonry jambs and concrete heads and cills with mastic pointing all round</p> <p>A Window size 1500x900mm high</p> <p>B Ditto 1500x1400mm high</p> <p><u>Glazing</u></p> <p>C 4mm thick clear sheet glass and glazing in panes 0.1-0.5 sm with putty</p>	<p>6</p> <p>8</p> <p>25</p>	<p>No</p> <p>No</p> <p>sm</p>		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04				
	<u>DOORS</u>				
	45mm thick with 6mm thick exterior quality plywood and hardwood lipped all round and hardwood veneered for polishing				
A	1200x2050mm high solid core flush door	2	No		
B	900X2050mm high semi solid core flush door	2	No		
C	150x50mm door frame plugged with 2 labours and rebated	11	Lm		
D	50x25mm Architrave	11	Lm		
E	25X25mm Quadrants to Doors	11	Lm		
	<u>Ironmongery</u>				
F	100mm steel butt hinges	6	Prs		
G	2 -lever mortice lock complete with furniture as "UNION" or equivalent	4	No		
	<u>Painting</u>				
H	Gloss oil paint to surface of timber door internally	5	sm		
J	Ditto externally	5	sm		
K	Ditto surface not exceeding 100mm for timber door frames	11	Lm		
L	Rubber Door stoppers plugged to floor with 38mm rawl bolt	4	No		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	<u>FINISHES</u>				
	<u>Floor Finishes</u>				
A	20mm Thick coloured Cement sand screed steel trowelled finish to approval	167	sm		
B	100x25mm skirting of treated cypress	62	Lm		
	<u>Wall finishes</u>				
	Gauged plaster 12mm thick 2No. Coats,9mm first coat of cement/ sand (1:4);3mm second coat of mortar (1:1):steel trowelled masonry base, generally to walls:-				
C	Internal	423	sm		
D	External	80	sm		
	<u>Externally</u>				
E	Chisel and form key to horizontal & vertical joint	141	sm		
	<u>Paintwork -:</u>				
F	3 coats Gloss paint to 100x25mm Skirting	62	Lm		
	<u>Raking cutting</u>				
G	Allow for raking cutting labours to gable walls and making good to surface	72	Lm		
	<u>Chalkboard</u>				
H	25mm thick steel trowelled smooth wall to surface size 5000x1000mm high as blackboard	10	sm		
	Paint to Ditto to approval	10	sm		
	<u>CHS Tubes</u>				
J	Supply and fix75mm diameter CHS tubes	7	Lm		
	<u>Notice Board</u>				
K	25mm thick softboard to walling with an approved adhesive and made good including 50x25mm sawn cypress frames	20	sm		
L	Gloss oil paint to surface of timber surfaces of ditto	20	sm		
	<u>Ceiling</u>				
M	12mm thick chipboard ceiling to approval	340	sm		
	Battens				
N	50x50mm sawn cypress timber battens to receive ditto	1060	Lm		
P	Gloss oil paint to surface of timber in ditto	340	sm		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06</u>				
	<u>ROOFING & RAINWATER GOODS</u>				
	<u>Roof sheets</u>				
A	28 gauge prepainted GCI sheets including nails and rubber washers	430	sm		
	<u>Ridge Cap</u>				
B	28 gauge ridge cap	18	Lm		
	<u>Fascia Board</u>				
C	Fascia/Barge boards 200x25 mm thick wrot cypress and planed to approval	78	Lm		
	<u>Downpipes</u>				
D	GI Downpipes 100mm diameter including brackets and shoe to approval	12	Lm		
	<u>Gutters</u>				
E	26 gauged water gutters plugged to rafters	36	Lm		
	<u>Timber Members</u>				
	<u>All structural timber to be second grade sawn celcured cypress to approval.</u>				
F	Ties and struts 100x50mm	167	Lm		
G	Kingposts 150x50mm	54	Lm		
H	Tie beams 150x50mm	108	Lm		
J	Rafters 150x50mm	149	Lm		
K	Purlins 75x50mm	120	Lm		
L	Wall plate 100x50mm	33	Lm		
	<u>Bolts</u>				
M	150mm long;12mm brass tower bolts complete with nuts & washers on wallplate at 1200mm centres	30	No		
	<u>Paint Work</u>				
	Prepare & apply three coats oil paint gloss Crown Solo' or other equal approved to:-				
	Downpipes 100mm diameter	4	sm		
	Fascia board size 200x25mm thick	20	sm		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 07</u>				
	OFFICE PARTITIONING				
	<u>Partition</u>				
A	50mm thick stramit plain wood partition from finished floor level to 1200mm height	10	SM		
B	4mm clear sheet glazing fixed to timber frames and held with rubber at the edges all round; 800mm high	7	SM		
C	3 coats gloss oil paint to timber surfaces of partition walling	20	SM		
	<u>Notice Boards</u>				
D	25mm thick chipboard to walling with an approved adhesive and made good	18	SM		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BUILDING WORK SUMMARY FOR CLASSROOM</u>				
A	Substructure				
B	Walling Superstructure				
C	Windows				
D	Doors				
E	Finishes				
F	Roofing and Rainwater goods				
	SUMMARY FOR CLASSROOMS				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURES</u>				
	<u>Site clearance</u>				
A	Clear site to remove shrubs, small trees and other vegetation and grub roots and C.A debris	6	SM		
	<u>Excavations for Pit</u>				
	All excavations deemed provisional and any other materials of rock nature encountered will have to be quantified and approved by the PM.				
B	Excavations to reduce levels 150mm deep	6	SM		
C	Excavations for Pits 0 to 1.5m and C.A debris	9	CM		
D	Ditto exceeding 1.5 m but n.e 3.0m	9	CM		
E	Ditto exceeding 3.0m but n.e 4.5m	9	CM		
F	Ditto exceeding 4.5 m but n.e 6.0m	9	CM		
G	Ditto exceeding 6.0 m but n.e 7.5m	9	CM		
H	Ditto exceeding 7.5 m but n.e 9.0m	9	CM		
J	Ditto exceeding 9.0 m but n.e 10.5m	9	CM		
K	Ditto exceeding 10.5 m but n.e 12.0m	9	CM		
L	Excavations to receive concrete footing and walling 600mm wide	8	CM		
M	Excavations to receive hardcore filling and murrum blinding 300mm wide	2	CM		
	<u>Backfilling</u>				
N	Return fill and ram in selected excavated material around foundation wall sides 200 mm	3	CM		
	<u>Hardcore Filling</u>				
P	250mm thick approved hardcore filling consolidated and rolled in layers not exceeding 150mm thick around foundation.	2	CM		
	<u>Total for page 1 to Substructure Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Murram Blinding</u> 50mm thick murram blinding to surfaces of hard-core with approved fine inert material.	8	SM		
B	<u>Anti termite treatment</u> "Termidor" or equal Insecticide treatment to surface of blinding with 10 year guarantee	8	SM		
C	<u>Lean concrete (1:4:8) in:-</u> 50mm thick blinding under strip foundations.	1	CM		
D	<u>Concrete Class 20/20 (1:2:4) in ; vibrated and made good to:-</u> 100 mm thick floor slab.	8	SM		
D	200x600mm wide strip foundation concrete footing <u>Steel Fabric Reinforcement</u>	2	CM		
E	weighing 2.22 KG/SM ref A142 with minimum 300 mm end and side laps.(measured nett) <u>Sawn Formwork to;</u>	8	SM		
F	Edge of slab 150 mm wide.	13	LM		
G	To soffits of slab	6	SM		
H	<u>Foundation Walling</u> 200mm stone walling bedded and jointed in cement sand mortar (1:3) and made good	8	SM		
J	<u>DPM</u> 1000 gauge damp proof membrane laid with minimum 300 mm side and end laps	8	SM		
K	<u>DPC</u> 200 mm wide,hessian based three ply bituminous based damp proof course on walls	14	LM		
	<u>Total for page 2 to Substructure Summary</u>				
	<u>Substructures Totals to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING SUPERSTRUCTURE</u>				
	<u>Natural stone walling</u>				
	Natural stone walling fair faced bedded and jointed in mortar and recessed and pointed on one side in cement sand mortar (1:3) to approval.				
A	200mm thick wall reinforced with hoop iron gauge 16 at every alternate course	24	SM		
	<u>Ring beam</u>				
	<u>Concrete work</u>				
B	Vibrated concrete class 20/20 to beams	1	CM		
	<u>Reinforcements a.b.d</u>				
	High tensile square twisted reinforcement bars including tying wires and spacer blocks				
C	Y10	34	KG		
D	Y8	30	KG		
	<u>Formwork</u>				
E	Sides of beams 300 mm wide.	6	SM		
	<u>Superstructure Walling to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	<u>WINDOWS</u>				
	<u>Supply and fix standard heavy duty steel casement windows with fasteners and stays complete without grills in standard z section framing to receive glazing m.s</u>				
A	Window size 600x600mm high	2	NO		
B	Prepare and apply three coats Gloss oil paint to metal surfaces and window cills externally	2	SM		
	<u>Glazing</u>				
C	4mm thick clear sheet glazing to panes 0.1-0.5 sm with putty	2	SM		
	<u>Window cills</u>				
D	300mm wide,600mm long 50mm thick insitu cast window cills to approval with 5mm diameter throat at the soffit edge of ditto fixed with mortar 1:3 to approval and painted m.s	1	LM		
	<u>Paint to ditto</u>				
E	3 coats gloss oil paint to ditto	1	SM		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04				
	<u>DOORS</u>				
	Semi Solid core flush door;45 mm thick,lipped				
A	Ditto 900x2050 high	2	NO		
B	100x50mm door frame plugged with 4 labours	6	LM		
C	50x25mm Architrave	6	LM		
	<u>Ironmongery</u>				
D	100mm steel butt hinges to approval	3	Prs		
E	2 -lever mortice lock complete with furniture as "UNION" or equivalent	2	NO		
	<u>Painting</u>				
F	3 coats Gloss oil paint to surface of timber door internally	3	SM		
G	Ditto externally	3	SM		
H	Ditto surface not exceeding 100mm for timber door frames	6	LM		
	<u>Rubber Door Stops</u>				
J	Rubber Door stoppers plugged to floor with 38mm diameter 59mm deep catalogue no 8400 including 32mm deep iron lug plugged to floor	2	NO		
	<u>Carried to Summary</u>				

County Government of Elgeyo Marakwet
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	<u>FINISHES</u>				
	<u>Floor</u>				
A	12mm Thick coloured terrazo finished to approval	6	SM		
	<u>Walling</u>				
	<u>Internally and external gables faces</u>				
B	12mm thick Gauged plaster.	28	SM		
	Prepare and apply undercoat and three coats gloss oil paint on plastered surface.	28	SM		
	<u>Externally</u>				
C	Chisel and form key to horizontal & vertical joint	2	SM		
	<u>Raking Cutting</u>				
D	Raking Cutting to gable walling and made good	5	LM		-
	<u>Plinths</u>				
E	Render and set 12 mm thick cement and sand mortar mix 1:3 and made good	4	SM		
F	Prepare and apply three coats gloss emulsion paint to ditto.	4	SM		
	<u>Stack pipe</u>				
G	100mm diameter UPVC stack pipe a fixed to floor slab and protruding through the roof structure	7	LM		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06</u>				
	<u>ROOFING & RAINWATER GOODS</u>				
	<u>Roof sheets</u>				
A	28 gauge prepainted GCI sheets including nails and rubber washers	12	SM	500	6,000
	<u>Timber Members</u>				
	<u>All structural timber to be second grade sawn and planed celcured cypress to approval.Consider that members are taken uniform hence summaried as one owing to the magnitude of the project</u>				
B	100x50mm rafters,purlins and wall plates	23	LM		
	<u>Carried to Summary</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BUILDING WORK SUMMARY FOR PIT LATRINE</u>				
A	Substructure				
B	Walling Superstructure				
C	Windows				
D	Doors				
E	Finishes				
F	Roofing and Rainwater goods				
	PIT LATRINE SUMMARY				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST SUMS				
A	Allow a Prime Cost Sum for Electrical Works				
B	Allow a Prime Cost Sum for Installation of Lightning Arrestor				
	<u>Carried to Summary</u>				

County Government of Elgeyo Marakwet
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ITEM	DESCRIPTION	AMOUNT	OFFICIAL
	GRAND SUMMARY		
A	Bill 01: Classrooms		
B	Bill 02: Pit Latrine		
C	Element 03: Prime Cost Sums		
D	Sub Total		
E	Supervision and Project Management Fees as 5%		
F	Add Contingencies 10%		
G	Total		
GRAND TOTAL CARRIED TO FORM OF TENDER			
<p>* Note that prices quoted are inclusive of all taxes</p> <p>CONTRACTOR'S NAME:.....</p> <p>ADDRESS.....</p> <p>SIGN.....</p> <p>DATE:.....</p> <p>STAMP:.....</p>			