

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
PROPOSED RENOVATION AND COMPLETION OF MATERNITY WING AT CHURO HEALTH CENTRE					
<u>SUBSTRUCTURES</u>					
Plinth area finishes					
A	Prepare and apply three coats black bitumastic paint to rendered area	15	SM		
Paving slabs around building					
B	200mm Thick well watered and compacted murrum filling	23	SM		
C	Treat surface of murrum with approved weed killer	23	SM		
D	50mm thick levelled consolidated bed of sand	23	SM		
Precast concrete (1:2:4/20) class 20/20 fair faced including moulds: bedded jointed and pointed in cement and sand (1:4) mortar as described					
E	600 x 600 x 50mm Thick paving slabs laid on bed of sand(m.s.)	23	SM		
Mass concrete (1:3:6/38-38mm aggregate)					
F	Ex. 50 x 50mm splayed edging to paving slabs(m.s.)	38	LM		
TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
GENERAL REPAIRS-ALL PROVISIONAL					
DOORS					
A	Allow for removal of timber doors, frames and store as directed by the project manager or client (8no)		item		
Metal doors					
B	1300mm wide x 2100mm high overall mild steel panelled door in two equal leaves each size 625mm x 2400mm high comprising of 75 x 50 x 6mm thick mild steel framing all round ,1.6mm thick mild steel sheet welded to 75 x 50 x6 mm thick angle bracings top and middle rails complete with handles purpose made hinges and all necessary accessories including priming with one coat of red oxide primer before delivery to site and all welds ground smooth	1	NO		
C	1100 x 2100mm high ditto	1	NO		
D	900 x 2100mm high ditto	8	NO		
The following to; Veranda entrance					
E	25mm SHS mild steel burglar proofing bars welded in approved pattern: including all necessary cutting, welding, grinding, ironmongery one coat red oxide primer before fixing:	5	SM		
Painting					
F	General surfaces of Metal	46	SM		
Carried to collection					
COLLECTION					
Brought down from					MT/ 2
TOTAL FOR DOORS					
CARRIED TO SUMMARY					

MT/ 2

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WINDOWS				
	Prepare and apply one under coat and two finishing gloss oil paint to ;				
A	General surfaces of metal (windows) internally	13	SM		
B	General surfaces of metal (windows) externally	13	SM		
	Pelmet boxes				
	The following in 6 No. Pelmet boxes				
	Sawn celcured cypress				
C	50 x 50mm Bearer plugged	12	LM		
	Wrot cypress as described				
D	125 x 25mm Thick pelmet fascia with two labours	12	LM		
E	125 x 25mm Thick top	12	LM		
F	150 x 150 x 20mm Thick boxed end cut to profile	1	NO		
Carried to collection					

<p>A</p>	<p>Curtain trucks Standard I-section heavy duty brass curtain track screwed to soffits of pelmet top(m.s.) with fixing brackets runners end stops laps and complete accessories to approval</p> <p>Painting Prime only back of wooden surfaces with aluminium or other equal and approved primer before fixing</p>	12	LM		
<p>B</p>	Surfaces exceeding 100mm but not exceeding 200mm girth	12	LM		
<p>C</p>	Surfaces not exceeding 100mm girth	12	LM		
<p>D</p>	General surfaces of wood exceeding 200mm but not exceeding 300mm girth	36	LM		
<p>E</p>	General surfaces of wood exceeding 100mm but not exceeding 200mm girth	36	LM		

Carried to collection

	COLLECTION				
	Brought forward from		MT/ 3		
	Brought forward from		MT/ 4	above	
	<p>TOTAL FOR WINDOWS CARRIED TO SUMMARY</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	FINISHES-ALL PROVISIONAL				
	Floors and Skirtings				
A	Carefully hack existing floor screed and prepare the floor to receive new ceramic tiles(Approximately 125sm)		item		
	CERAMIC TILES				
B	20mm Thick Cement and sand (1:4) screed as described to receive Ceramic tiles (m.s)	130	SM		
C	150mm high skirting	86	LM		
	Approved coloured Ceramic tiles jointed and pointed with matching cement and sand (1:3) mortar as described				
D	300 x 300 x 8mm thick On floors	130	SM		
E	8 x 150mm high ceramic tile skirting	86	LM		
	WALL FINISHES				
	Painting and decorating				
	Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :-				
F	Rendered concrete surfaces	18	SM		
	Clean surfaces of dirt, grease and oil, prepare and apply two finishing coats gloss oil paint to plastered surfaces				
G	Internally	232	SM		

Carried to collection

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Ceiling finishes				
	Lining				
A	12mm Thick softboard ceiling lining on brandering(m.s) and set in symmetrical V- joints	131	SM		
B	Extra over for trap door size 600 x 600mm complete	2	NO		
	Sawn cypress(provisional)				
C	100 x 50mm Brandering	88	LM		
D	50 x 50mm Brandering	412	LM		
	Wrot cypress(provisional)				
E	12 x 100mm Moulded cornice plugged	88	LM		
	Sawn Cypress				
	Painting and decorating				
	Knot, Prime, Stop and Prepare and apply three coats first quality emulsion paint				
F	Surfaces of Softboard	131	SM		
G	Timber surfaces not exceeding 100mm girth	88	LM		
Carried to collection					

	COLLECTION	
	Brought forward from	MT/ 5
	Brought down from	MT/ 6 above
	TOTAL FOR FINISHES	
	CARRIED TO SUMMARY	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ROOF/ RAIN WATER DISPOSAL				
A	Heavy Gauge metal gutter 150mm diametre half round gutters fixed to fascia board with and including approved pattern brackets at 1000mm centres	22	LM		
B	Extra over gutter for 100 x 75mm square outlet	2	NO		
C	Extra over gutter for stopped end	2	NO		
D	100 mm Diameter down pipe fixed to wall with and including holder bats at 600mm centres (In No.16)	12	LM		
E	Extra over down pipe for swan neck off set	2	NO		
F	Extra over down pipe for shoe	2	NO		
	Knot prime stop and prepare and apply one under coat and two finishing coats of gloss oil paint to;				
G	General surfaces of wood 200 - 300mm girth	68	LM		
Carried to Summary					

	COLLECTION	
	Brought forward from	MT/ 7
	TOTAL FOR ROOF/ RAIN WATER GOODS CARRIED TO SUMMARY	

MT/ 7

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	PLUMBING & DRAINAGE				
	Supply deliver and install the following appliances including their support brackets screws e.t.c. and their connection to water supply waste/soil drainage and electrical power supply:-				
	Water Closet				
A	WC suite as "Twyford classic" including cistern plastic cover and seat	1	NO		
	Water Closet accessories				
B	Heavy duty regal plastics single ring seat with stainless steel hinges and cover as described before	1	NO		
	Water Closet "S" Connector				
C	WC "S" connector to drain pipe for horizontal WC Pan as twyfords	1	NO		
	Wash Hand basin				
D	Pedestal Wash Hand Basin and all necessary accessories as twyfords	3	NO		
	Sinks				
E	Stainless Steel or equal and approved 400mm diameter basin with one tap hole complete	2	NO		
	Accessories				
F	Bricon heavy pattern chrome plated 13mm pillar tap	2	NO		
G	C P bottle traps to sinks	2	NO		
H	300mm copper tubing 12mm dia long	2	NO		
<i>Carried to collection</i>					

Water distribution					
A	G I pipes 13mm dia Class "B' complete with fittings concealed underground 300mm (minimum)	15	M		
B	G I pipes 13mm dia Class "B' complete with fittings to the water Cisterns, Wash hand basins concealed in plaster	4	M		
C	G I pipes 19mm dia Class "B' complete with fittings from tank to toilet block	10	M		
	Provide and install the following GI items				
D	13mm diameter Gate valve as peglar	2	NO		
E	19mm diameter mm ditto	2	NO		
F	19 x 13 Reducing Tee	2	NO		
G	19 mm Equal Tee	2	NO		
H	13mm ditto	2	NO		
J	19 mm Elbows	4	NO		
K	13mm ditto	4	NO		
L	19 mm Unions	2	NO		
M	13mm ditto	4	NO		
<i>Carried to collection</i>					

FOUL WATER DRAINAGE				
Supply and fix uPVC soil system to B.S. 4660 and B.S. 4515 and MuPVC waste systems to B.S. 5255 with screwed and socketed joints to B.S. 21. Solvent welded joints shall be as per the system's manufacturer's written instructions.				
Medium Grade MuPVC Waste system				
A.	100mm diameter Waste pipe	15	LM	
B.	150mm diameter Waste pipe	6	LM	
Extra Over MuPVC Waste pipework for the following:-				
C.	201.125.92 Sweep Bend	5	NO	
D.	201.125.135 Sweep Bend	5	NO	
E.	204.125.91 Sweep Tee	5	NO	
F.	237.125 Access Plug	5	NO	
G.	279.2 Trapped floor gully	5	NO	
H.	282.3 floor gully inlet	5	NO	
Medium Grade uPVC Buried Drain System				
J.	150mm diameter Buried Drain Pipe	12	LM	
Extra Over uPVC Buried Drain pipework for the following:-				
K.	1801.4.87 Short radius Bend	5	NO	
Carried to collection				

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<p>Inspection Chambers Connection</p> <p>A. Allow for connection of 100mm diameter PVC soil pipe to manhole(m.s) including all necessary works such as excavation walling e.t.c as necessary</p> <p>Excavation</p> <p>B. Excavate trench for drainage pipe not exceeding 1000mm deep from ground level and average 600mm deep part return fill in and ram and remainder cart away</p> <p>C. Allow for keeping the whole of the excavation free from all water soil and mud by pumping pailing or otherwise</p> <p>Gully Traps</p> <p>D. Allow for a standard 300 x 300 x 450mm masonry gully trap with cast iron P-trap drain pipe cover e.t.c</p> <p>Testing and commissioning</p> <p>E. Allow for setting to work testing and commissioning</p>	<p>5</p> <p>20</p> <p>3</p>	<p>NO</p> <p>LM</p> <p>ITEM</p> <p>NO</p> <p>ITEM</p>		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<p>DRAINAGE SYSTEM (ALL PROVISIONAL) MANHOLE CONSTRUCTION/SEWER PIPE</p> <p>CONNECT TO EXISTING SEPTIC TANK</p> <p>MANHOLE CONSTRUCTION</p> <p>A Excavate for, provide all materials and construct manhole type "A" complete to SE detail with masonry walling . Include for removal of surplus material, shuttering, step irtons,concrete manhole covers and frame. Average depth 0.6meters</p> <p>TRENCH EXCAVATION</p> <p>B Excavate trench for 150mm diameter UPVC sewer pipe, starting from ground level not exceeding 1.5metres deep average depth 1.00metres, backfill after laying pipe</p> <p>C Backfill in hardcore or crushed stones around pipe drain</p> <p>D Cart away surplus excavated material and/ or spread on site as directed</p> <p>E Provide, lay and joint 150mm diameter UPVC golden brown sewer pipe class 41 with flexible (rubber ring) joints</p>	2	NO		
		6	cm		
		4	CM		
		10	CM		
		12	LM		
	<i>Carried to collection</i>				

	COLLECTION	
	Brought forward from page	MT 8
	Brought forward from page	MT 9
	Brought forward from page	MT 10
	Brought forward from page	MT 11
	Brought forward from page	MT 12
	TOTAL FOR INTERNAL & EXTERNAL DRAINAGE SYSTEM CARRIED TO SUMMARY	

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	FITTINGS-ALL PROVISIONAL				
	Shelves				
	The following in Timber Shelves				
A	18mm thick MDF Board in worktop/ reception desk	15	SM		
	Sawn Cypress,prime grade				
B	50 x 25mm bearer	54	LM		
	Painting and decorating				
	Knot, Prime, Stop and Prepare and apply three coats first quality gloss oil paint				
C	General surfaces of timber	18	SM		
D	Timber surfaces not exceeding 100mm girth	42	LM		
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
E	100mm conc suspended worktop	2	sm		
F	50mm thick concrete to plinths	2	sm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
G	Of assorted bars	55	kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
H	To soffits of worktops	5	sm		
J	Edges of suspended slab; 75 to 150mm wide	5	lm		
K	Ditto to plinths; 75 to 150mm wide	5	lm		
Carried to collection					

	COLLECTION Brought down from page MT/ 15 above	
	TOTAL FOR FITTINGS <i>CARRIED TO SUMMARY</i>	

ITEM	DESCRIPTION	QUANTITY	UNIT		
	<p>WATER STORAGE TANK</p> <p>A. Rotationally moulded polyethlyln tank tested to BS 2782; Method of testing plastics; of nominal capacity Of 5,000 litres as manufactured by 'Roto' or approved equal loft tank cylindrical vertical closed end tank with lid model No. SL No. 4 complete with inlet outlet and overflow connections as described below-;</p> <p>*20mm diametre inlet pipe connection</p> <p>*15mm diametre outlet pipe connection</p> <p>*20mm diametre overflow pipe connection</p> <p>Tank Connection</p> <p>B 19mm Diametre straight tank connector with BS Threads</p> <p>Ball Valve</p> <p>C Peglar 13mm diametre high pressure delayed action cast brass valve MOH pattern with 1 1/4" shank</p> <p>Ball Float</p> <p>D Peglar 4 1/2"13mm diametre high pressure polypropylene plastic float</p> <p>E Allow for construction of a 3000mm diameter tank stand consisting of masonry walling, finishes, 100mm thick base infilled with hardcore and murrum to approval with all the necessary excavations; All to the approval of the Project Manager</p>	2	NO		
	<p>TOTAL FOR WATER TANKS CARRIED TO SUMMARY</p>				

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	TANK SUPPORT				
	Mild steel				
A.	150 mm SHS X 4mm thick x 4400mm long mild steel tubes one end armortised in concrete the other end bolted to rafters	4	NO		
B	50 mm x 50mm X 4mm thick angles welded to mild steel tubes	44	LM		
C	300 x 300 x 6mm Thick mild steel plates 4-times drilled and welded to Mild Steel tubes(ms) and bolted to Rafters	4	NO		
D	12mm Diameter x 250mm Long black hold down bolts set in concrete complete with nuts and washers	16	NO		
	All timber to be Approved Cedar of G.S. grade seasoned to an equilibrium moisture content of between 9% and 15% and to the requirement of K.S. 02 771 of 1991 treated with approved wood preservative				
E	150 x 25mm Members	24	LM		
F	200 x 50mm ditto	24	LM		
Carried to collection					

	Brought forward from page	MT/	16		
	Brought down from page	MT/	17	above	
	TOTAL FOR ELEMENT WATER TANK AND SUPPORT CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PLACENTA PIT</u>				
	Site clearance				
A	Clear site of works of shrubs, bush and small trees, grub up roots in live fence and burn debris to approval	15	SM		
	Excavate including maintaining and supporting sides and keeping free				
B	For pits commencing at ground level not exceeding 1.5m	19	CM		
C	For pits commencing at excavated level not exceeding 3.0m	19	CM		
D	Ditto, 3-4.5M	19	CM		
E	Extra over excavations in rock regardless of class	10	CM		
	Disposal				
F	Load and spread on site surplus spoil as directed	57	CM		
	Pre-cast concrete cover slabs class 20 concrete double reinforced both				
G	Size 2000mm diameter,125mm thick,with 1No. 300mm diameter hole.	1	No.		
	Slab covers.				
H	300mm diameter,medium duty cast iron placenta pit cover.Including concreting frame,greasing cover and easing.	1	No.		
	PLACENTA PIT				
	Total Carried to SUMMARY				

	SUMMARY	
	SUBSTRUCTURES	MT/ 1
	DOORS	MT/ 2
	WINDOWS	MT/ 4
	FINISHES	MT/ 6
	ROOF/ RAIN WATER DISPOSAL	MT/ 7
	PLUMBING/DRAINAGE WORKS	MT/ 13
	FITTINGS	MT/ 15
	WATER TANKS	MT/ 16
	PLACENTA PIT	MT/ 17
	PROPOSED MATERNITY COMPLETION	
	CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
PROPOSED SEPTIC TANK CAPACITY - 100 PEOPLE					
SUBSTRUCTURES					
(ALL PROVISIONAL)					
Excavations and earthworks					
A	Excavate oversite average 200mm deep to remove vegetable soil load up wheel and deposit about 100metres away and later spread and level on site where directed	40	SM		
B	Mass excavate for septic tank occurring not exceeding 1.5metres deep commencing from reduced level	45	CM		
C	Mass excavate for septic tank occurring exceeding 1.5metres but not exceeding 3.00metres deep commencing from reduced level	16	CM		
D	<u>Extra over</u> excavations for excavating in rock	20	CM		
E	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM		
F	Allow for planking and strutting to sides of excavations		ITEM		
Disposal					
G	Load surplus excavated material and spread on site as directed	30	CM		

	Filling			
A.	Return fill and ram selected excavated material around foundations.	51	CM	
B.	Grade and compact bottom of septic tank to receive hardcore	35	SM	
	Mass concrete 1;4;8 tank base			
C.	50mm Thick blinding	35	SM	
	Mass concrete 1;3;6 in tank base			
D.	150mm Thick	35	SM	
	Vibrated reinforced concrete (1:2:4/20-20mm aggregate) as described in:			
E.	200mm side walls	44	SM	
F.	200mm Dividing walls	18	SM	
G.	150mm cover slab	35	SM	
<i>Carried to collection</i>				

	Steel reinforcement			
	Supply and fix bars reinforcement including bending, hooks, tyingwire, cutting spacers and supporting all in position as described.			
	High tensile square twisted bars to B.S.4461 (ALL PROVISIONAL)			
A	12mm diameter	298	KG.	
B	10mm diameter	1146	KG.	
	Sawn formwork as described to:			
C	Soffits of suspended slab	35	SM	
D	Vertical sides of concrete walls slab	43	SM	
E	Curved edges of slab 150-225mm high	45	LM	
F	Extra over for boxing size 500 x 400mm to form opening through 125mm thick slab	2	NO	
G	Form or leave hole in wall and hardcore	2	NO	
	Finishes			
	10mm thick render with sulphate resisting cement			
H	Walls	43	SM	
J	Base and top of septic tank	70	SM	

Carried to collection

SOAK PITS				
SUBSTRUCTURES				
(ALL PROVISIONAL)				
Excavations and earthworks				
A.	Excavate oversite average 200mm deep to remove vegetable soil load up wheel and deposit about 100metres away and later spread and level on site where directed	7	SM	
B.	Excavate to reduce levels not exceeding 1.50metres deep commencing from stripped level	21	CM	
C.	Mass excavate for soakpit occurring not exceeding 1.5metres deep commencing from reduced level	21	CM	
D.	Mass excavate for soakpit occurring exceeding 1.5metres but not exceeding 3.00metres deep commencing from reduced level	21	CM	
E.	Extra over excavations for excavating in rock	6	CM	
F.	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM	
G.	Allow for planking and strutting to sides of excavations		ITEM	
<i>Carried to collection</i>				

	Disposal			
A	Load surplus excavated material and spread on site as directed	63	CM	
	Filling			
B	Return fill and ram selected excavated material around foundations.	6	CM	
C	Grade and compact bottom of soakpit to receive hardcore	6	SM	
	Hardcore as described			
D	200mm(average) Thick layer of imported hardcore filling	45	CM	
	Foundation walling			
E	150mm Thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron in every alternate course	12	SM	
	Vibrated reinforced concrete (1:2:4/20-20mm aggregate) as described in:			
F	150mm Thick suspended slab	6	SM	
	mass concrete 1;3;6 in wall basis			
G	100mm Thick	6	SM	

Carried to collection

	Steel reinforcement			
	Supply and fix bars reinforcement including bending, hooks, tyingwire, cutting spacers and supporting all in position as described.			
	High tensile square twisted bars to B.S.4461			
A.	12mm Diameter	77	KG.	
	Sawn formwork as described to:			
B.	Soffits of suspended slab	6	SM	
C.	Curved edges of slab 150-225mm high	18	LM	
D.	Extra over for boxing size 500 x 400mm to form opening through 150mm thick slab	3	NO	
E.	Form or leave hole in wall and hardcore	3	NO	
F	<u>Plaster; 9mm first coat of cement and sand (1:6) and 3mm second coat of</u> 12mm thick plaster to surfaces	30	SM	

Carried to collection

COLLECTION		
Brought forward from page	MT/ 20	
Brought forward from page	MT/ 21	
Brought forward from page	MT/ 22	
Brought forward from page	MT/ 23	
Brought forward from page	MT/ 24	
Brought forward from page	MT/ 25	
TOTAL FOR DRAINAGE, SEPTIC TANK AND SOAK PIT CARRIED TO SUMMARY		

ITEM	DESCRIPTION	QUANTIT	UNIT	RATE	KSHS
	PROVISIONAL/RIME COST SUMS				
A.	Allow a provisional sum of Kenya Shillings One Hundred Thousand (100,000.00) for Contingencies		SUM		100,000.00
B.	Allow a provisional sum of Kenya Shillings Eighty Thousand (80,000.00) for Supervisory Staff Allowances		SUM		80,000.00
<i>Carried to collection</i>					180,000.00

	Brought Down from Page No. PC/ 1 Above	180,000.00
	TOTAL FOR PROVISIONAL SUMS <i>CARRIED TO GRAND SUMMARY</i>	180,000.00 !

GRAND SUMMARY

ITEM	DESCRIPTION		
1	COMPLETION OF MATERNITY	MT/19	
2	SEPTIC TANK	MT/26	
3	PROVISIONAL SUMS	PC/1	
	SUBTOTAL		
4	VAT ON ITEM 1/2	16%	
	<i>TOTAL FOR PROPOSED WORKS AT CHURO HEALTH CENTRE</i>		

NAME OF TENDERER.....

ADDRESS.....

SIGNATURE.....

DATE.....

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....