

PROPOSED REPAIRS OF MTRD PERIMETER FENCE, RENOVATIONS OF WAITING ROOM FOR PERSONS WITH DISABILITIES (PWDs) AND WASTE DISPOSAL AT MATERIALS TESTING & RESERCH DIVISION (MTRD)

Item	Description	Unit	Qty	Rate	Amount
PRELIMINARIES					
1	All rates to be inclusive of all taxes including V.A.T				
General Matters					
A	Water for the works	item	1		
B	Insurance against injury to persons, property and works	item	1		
C	Performance Bond 5% of Contract amount	item	1		
D	Security and transport	item	1		
E	Site Signboard	item	1		
Temporary Works					
F	Temporary fencing, hoarding, etc.	Lm	1		
G	General Scaffolding & plant	item	1		
Protection and Cleaning					
H	Protection of the works and removal of rubbish	item	1		
I	Health, safety and environmental compliance	item	1		
Works by Public Bodies					
J	Provisional Sum for any approvals or works to be carried out by local authorities or public undertakings	sum	1		
K	Allow for special attendance	item	1		
Others					
L	The bidder to insert a sum (if he deems necessary) to cover any	item	1		
M	Liquidated damages for delay in completion; Kshs 20,000.00 per day	item	1		
PRELIMINARIES CARRIED TO SUMMARY					

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Item	Description	Unit	Qty	Rate	Amount
ELEMENT NO. 1: PERIMETER WALL (ALL PROVISIONAL)					
Demolitions					
A	Demolish carefully existing 200mm thick masonry wall and recover masonry blocks for reuse (assume 50m section)	sm	150		
B	Removal of roots under perimeter fence	item	1		
Excavations and Earthworks					
B	Excavate for starter column bases	cm	70		
C	Trench excavation for strip foundation	cm	300		
D	Cart away surplus materials fill up lower grounds, spread evenly and compact as directed		item		
50mm thick in-situ vibrated Plain Concrete Class 15/20					
E	Strip foundation Blinding	cm	5		
F	Column bases Blinding	cm	5		
In-situ vibrated Reinforced Concrete Class 25/20					
H	Columns	cm	20		
I	Strip foundation	cm	10		
J	Starter columns	cm	10		
K	Ground Beam	cm	10		
Supply timber, nails and all materials necessary for and including construction, erection, treatment and later removal of formwork to:					
	Vertical sides of strip foundation	sm	30		
	Vertical sides of column bases	sm	35		
	Faces of ground beam	sm	60		
	Faces of starter and main columns	sm	260		
Ribbed Steel bars reinforcement measured net including cutting bending, labelling, hooking, tying wire, spacers hoisting and supporting all in position as described:					
	10mm diameter (column bases)	kg	235		
	A142 BRC Mesh (strip foundation)	pcs	42		
PERIMETER WALL CARRIED TO SUMMARY PAGE (CONT'D)					

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Item	Description	Unit	Qty	Rate	Amount
	12mm diameter (Ground beam)	kg	405		
	10mm diameter (starter and main columns)	kg	765		
	8mm diameter bars (links)	kg	360		
	Foundation Walling				
	200 mm Thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoop iron in every alternate course	sm	150		
	Main Wall				
	200 mm Thick machine cut stone walling (minimum strength 7N/MM ²) bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoop iron in every alternate course	sm	300		
	Finish with neat recessed horizontal joint in slurry mortar (1:1)	sm	300		
	350x250x75mm bevelled concrete coping stone including anti capillary grooves all round	pcs	285		
	Construct drainage holes size 100mm diameter in PVC	no	30		
	PERIMETER WALL CARRIED TO SUMMARY PAGE				

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Item	Description	Unit	Qty	Rate	Amount
	ELEMENT NO. 2: WAITING ROOM FOR PERSONS WITH DISABILITIES (PWDs)				
	Excavations and Earthworks				
	Excavate for foundation	sm	9		
	Cart away surplus materials fill up lower grounds, spread evenly and compact as directed	sm	5		
	50mm thick in-situ vibrated Plain Concrete Class 15/20				
	Foundation blinding	no.	1		
	In-situ vibrated Reinforced Concrete Class 25/20				
A	Concrete slab	cm	9		
D	Supply timber, nails and all materials necessary for and including construction, erection, treatment and later removal of formwork to:				
	Vertical sides of slab	sm	12		
	Steel bars reinforcement measured net including cutting bending, labelling, hooking, tying wire, spacers hoisting and supporting all in position as described:				
	10mm diameter	kg	100		
	Supply of Furniture and Assorted Items to the PWD Room				
	Approved coffee table	no	1		
	Standard desk type chairs	no	4		
	Water dispenser	no	1		
	First Aid Kit	no	1		
	PWD ROOM CARRIED TO SUMMARY PAGE				

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Item	Description	Unit	Qty	Rate	Amount
	ELEMENT NO. 3: ELECTRIC FENCE WITH RAZOR WIRE Supply, install and commission a 7-strand electric fence and razor wire over the entire perimeter wall including over the gate. Materials for electric fence to be of highest grade/heavy duty/industrial grade. The fence shall back-up power, emergency/panic buttons and complete siren kit. All metallic/steel parts shall be hot-dipped galvanized.		item		
	ELEMENT NO. 4: REPAIR OF EXISTING SECURITY LIGHTING ALONG PERIMETER FENCE Identify and repair faulty security lights along perimeter fence to the satisfaction of the Client. Provide aand install two flood lights at location directed by the Client		item		
	ELEMENT NO. 5: CLEARING AND DISPOSAL OF ACCUMULATED DEBRIS Cart away and dispose off accumulated debris/waste material behind MTRD laboratories and clean up the site to Client's approval.	cm	2000		
A	ELEMENT NO. 6: SUPERVISION Allow Kshs 150,000 for supervision of the works.		item		

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Item	Description	Unit	Qty	Rate	Amount
	MEASURED WORKS SUMMARY				
A	PERIMETER FENCE				
B	ELECTRIC FENCE WITH RAZOR WIRE				
C	REPAIR OF EXISTING SECURITY LIGHTING				
D	ROOM FOR PERSONS WITH DISABILITY				
E	CLEARING AND DISPOSAL OF DEBRIS				
F	SUPERVISION				
	TOTAL FOR MEASURED WORKS (A+B+C+D+E)				
F	Allow 10% of total measured work for contingencies				
G	Allow 16% of (Measured Work+Contingencies) as VAT				
	TOTAL PROJECT COST (A+B+C+D+E+F+G) This figure should be transferred to the form of Tender both in words and Figures				