

Kirinyaga power house

ITEM	DESCRIPTION	QTY	UNIT	RATE (KSHS)	AMOUNT (KSHS)
	<b><u>SUBSTRUCTURES</u></b>				
	<b><u>Excavations</u></b>				
A	Clear site of all shrubs and undergrowth including grubbing up of roots and dispose off as directed.	40	SM		
B	Excavate oversite average 150mm deep and cart away as directed	40	SM		
C	Excavate trenches for strip foundation not exceeding 1.0metres for reduced level	32	CM		
	<b><u>Filling and carting away</u></b>				
D	Return, fill and ram with selected and approved excavated material around excavations	11	CM		
E	Load and cart away excavated materials from site	21	CM		
F	Hardcore filling in making up levels, exceeding 300mm thick in layers of 150mm maximum thickness.	12	CM		
G	50 mm selected fine material to hardcore surfaces, well rolled and leveled to receive concrete	40	SM		
H	Apply "Termidor" or any other similar and approved anti termite chemical treatment on blinded surfaces.	40	SM		
I	1000 gauge polythene sheeting with sides and end laps as described laid on blinded surfaces	40	SM		
	<b><u>Plain concrete (1:4:8) in</u></b>				
J	50mm Thick blinding to strip foundation	19	SM		
	<b><u>Natural stone walling in cement and sand (1:3) mortar and including reinforcing with 20 x 3mm thick hoop iron in every alternate course.</u></b>				
K	200mm Thick walling including hoop iron on alternate courses	32	SM		
	<b>Carried to Collection</b>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE (KSHS)	AMOUNT (KSHS)
	<u>Steel fabric mesh reinforcement to B.S. 4483</u>				
A	No. A 142 fabric weighing 2.22Kg/sm fixed in bed	40	SM		
	<b><u>SUPERSTRUCTURE</u></b>				
	<u>Vibrated reinforced concrete grade 20/20 (1:2:4) including all necessary formwork in:</u>				
B	150mm thick ground slab	6	CM		
	<u>Plinths</u>				
C	12mm thick cement and sand (1:3) render to plinths	6	SM		
D	Prepare and apply three coats bituminous paint to rendered plinths	6	SM		
E	200 mm wide approved quality 3-ply bituminous felt damp proof course under walls	32	M		
	<b><u>Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course</u></b>				
F	200mm Thick walling and filling to eaves up to roof level	75	SM		
	<u>Vibrated reinforced concrete grade 20/20 (1:2:4) in:</u>				
G	Column bases, columns and ring including all necessary formwork	5	CM		
	<u>Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Mild Steel Reinforcement</u>				
H	D12	300	KG		
I	D8	250	KG		
	<u>Permanent ventilation</u>				
J	concrete Louvered vent blocks	18	SM		
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ITEM	DESCRIPTION	QTY	UNIT	RATE (KSHS)	AMOUNT (KSHS)
	<b><u>ROOFING</u></b>				
	<u>Aluzinc preformed metal tiles coated with sand as "Decra"</u>				
A	Roof covering; fixed to timber purlins complete with ridge caps and all other accessories	78	SM		
	<b><u>(All timber work is provisional)</u></b>				
	<u>The following in pressure impregnated first grade cypress timber</u>				
B	200 X50mm ridge and hips	16	LM		
C	150 x 50mm Rafters	160	LM		
D	100 X 50mm struts	15	LM		
F	Ditto purlins	200	LM		
G	100 x 50 mm wall plate bolted to wall with and including 12mm diameter bolts 60mm long at 1000mm centres	32	LM		
	<u>Fascia Board</u>				
I	175 x 16 mm thick wrot cypress fascia /barge boards fixed to end of rafters (m/s)	35	LM		
	<u>Rain water goods</u>				
	<u>Gutters</u>				
J	150 x 100mm galvanized iron gutter gauge 24 fixed to fascia boards (m/s) with and including approved steel brackets at 1000mm centres	35	LM		
I	Extra over gutter for stopped ends	4	NO		
J	Ditto but for 100 mm diameter outlet	4	NO		
	<u>Downpipe</u>				
A	100 mm diameter galvanised iron downpipe gauge 24 fixed to wall with and including holder butts at 1000mm centres	12	LM		
B	Extra over downpipe for swanneck 1200mm long	4	NO		
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ITEM	DESCRIPTION	QTY	UNIT	RATE (KSHS)	AMOUNT (KSHS)
A	Ditto horse shoe 300 mm long	4	NO		
	<u>Decoration and painting</u>				
	<u>Knot, stain prepare and apply three coats oil gloss paint to:</u>				
B	Surfaces of timber 200-300mm girth	35	LM		
	<u>Prepare and apply three coats gloss oil paint to:</u>				
C	General surfaces of metal gutters	12	SM		
D	Surfaces of large pipes	4	SM		
	<b>DOORS</b>				
	<u>Mild steel Doors</u>				
	1800 x 2100mm high mild steel louvred double door complete with 100 x 50 x 3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 or other equal and approved manufacturer				
E		2	NO		
	<b>EXTERNAL FINISHINGS</b>				
	<b>Walls</b>				
F	Extra over walling for smooth chisel dressing with flush pointed vertical joints and recessed horizontal joints	60	SM		
	<u>12mm thick cement sand (1:2) plaster to :</u>				
G	Beams and columns	20	SM		
	<u>Prepare and apply 12mm Thick wall master to plasterd walls</u>				
H	Plastered surfaces of beams and columns	20	SM		
I	Allow for supply and laying of precast concrete paving slabs round the power house 2.4m width including ecavation, laying and compaction of murrum and necessary jointing to approval, concrete channel at the outer edge.	1	item		
	<b>INTERNAL FINISHES</b>				
	<b>FLOORS</b>				
	<u>Cement and sand (1:4) screeding smooth trowelled</u>				
J	40mm thick screed prepared to receive terrazzo	40	SM		
	<b>Carried to Collection</b>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE (KSHS)	AMOUNT (KSHS)
A	10mm terrazzo flooring complete with dividing strips and polishing	40	SM		
B	Skirting ditto	32	LM		
	<u>Cement and sand (1:3) plaster</u>				
C	12mm Thick to wall surfaces	65	SM		
	<u>Prepare and apply three coats first grade plastic emulsion paint to:</u>				
D	Plastered walls	65	SM		
E	100mmthick clay facing bricks layed in cement adhesives	18	SM		
F	Allow for lighting and light fittings (4 points externally and 6 internally completed with all cabling and conduit work	1	ITEM		
G	Allow a Contingency Sum of Kshs. One Hundred Thousand (Kshs. 100,000)		ITEM		100000
	<b>Carried to Collection</b>				
	<b>COLLECTION -POWER HOUSE</b>				
	Carried forward from page 1				
	Carried forward from page 2				
	Carried forward from page 3				
	Carried forward from page 4				
	Carried forward from page 5				
	<b><u>TOTAL FOR POWER HOUSE INCLUSIVE OF VAT</u></b>				