ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
	Provisional Sums ( Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
С	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1 00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
1.00	BIELT-TREEMMAKT AND GENERAL ITEMS				
	Provisional Sums (Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
C	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
2.00	2.00: SUBSTRUCTURE				
	ELEMENT NO. 1				
	SUBSTRUCTURE (ALL PROVISIONAL)				
	Excavate oversite average 150 mm deep to remove vegetable				
	top soil and including cutting of shrubs, bushes and trees less				
	than 0.5m diameter all to specifications and cart away to an				
A.	approved Tip by Local Authority.	S.M.	312		
	Excavations including maintaining and supporting sides,				
	keeping free from water, mud and fallen				
	Excavate to reduced level soil in the building area to average				
	depth 1 m from the stripped level and cart to spoil/stock pile for				
B.	re-use.	C.M.	180		
C.	Foundation trenches 0 - 1.50 m deep from reduced levels.	C.M.	46		
D.	For Column Bases 0 - 1.50 m deep from				
	reduced levels.	C.M.	80		
E.	Extra over excavation for excavating in Hard rock.	C.M.	4		
F.	Ditto Soft Rock	C.M.	4		
	Disposal				
G.	Backfill selected excavated or imported materials to fill the uneven ground surface and around the foundations ( Rate to include the cost of mechanical compaction to 100% MDD)	GM	120		
		C.M.	120		
	Load, wheel and deposit surplus excavated materials to an				
H.	approved dumping site by Local Authority	C.M.	120		
I.	300 mm Thick layers of approved hardcore filling well compacted including 50 mm murram blinding.	S.M.	180		
1.	, ,	S.W.	100		
	Damp-proof membrane 1000 Gauge polythene sheeting laid over hardcore with 300				
J.	mm side and end laps (measured nett-no allowance for laps).	S.M.	180		
	Anti-termite treatment				
K	Chemical anti-termite treatment as "Gladiator" or other approved insecticide to surfaces of hardcore and tops of walls.	S.M.	180		
	Concrete work  Mass concrete class 15/20 aggregate as				
	described in:-				
L.	described in:- 100 mm Thick blinding under strip foundations and Bases.	S.M.	45		
L.		S.M.	45		

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
2100					
	Provisional Sums ( Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
C	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
	Reinforced concrete class 25/20 aggregate as				
М	described in:- Strip Foundation /Ground Beams	C.M.	12		
	•				
	Columns and Column Bases	C.M.	11		
	150 mm Thick grade slab.	CM	29		
	Reinforcement (Provisional)				
	High tensile steel reinforcement to B.S 4461 and 4449  D16 Diameter bars	KG.	262		
		NU.	202		
Q	D12 Diameter bars	KG.	720		
R	D8 Diameter bars	KG.	84		
	Mesh fabric reinforcement				
	B.R.C mesh fabric reinforcement ref. A 142 laid in surfaces				
	bed with 300 mm side and end laps (measured nett-no				
S	allowance for laps).	S.M.	180		
	Sawn formwork as described to:-				
	Sides of strip foundations / ground beams	S.M.	13		
	•				
U	Sides of Columns and Column Bases.	S.M.	46		
V	Sides of grade slab 150 mm thick.	SM	14		
	150mm natural and hard quarry stones to foundation				
	walling in cement and sand (1:3) mortar and even				
	smoothened on the both sides as described and including				
	reinforcement at each alternate course with hoop ironall				
	materials and workmanship to Approval of the Engineer:- 150 mm Thick walling reinforced at each alternate course with				
W	hoop iron.	S.M.	87		
	Bituminous felt damp proof course laid on and		-		<del> </del>
	levelled in cement sand mortar (1:4) under:-				
	150 mm Thick walls.	L.M.	58		
					1
	Paving slabs				
	600 x 600 x 50 mm Precast concrete paving slabs bedded,				
	jointed and grouted in cement and sand (1:1)onto and including 100mm thick compacted murram and 150 x 50mm Precast				
Y	concete Edging.	S.M.	70		
Y		S.171.			

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
	Provisional Sums ( Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
С	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DECRIPTION	TINITE	OTY	RATE	AMOUNT
HEM	DESRIPTION	UNII	QII	(Kshs)	(Kshs)

ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
3.00	3.0: R. C. SUPERSTRUCTURE				
	Reinforced concrete class 25/20 aggregate as described in:-				
A.	Beams	C.M.	14		
B.	Columns	C.M.	7		
	Reinforcement (Provisional) High tensile reinforcement to B.S. 4461 as described				
	High tensile reinforcement to B.S. 4461 as described  16mm Diameter bars	KG.	1,350		
D.	12 mm Diameter bars	KG.	216		
Е	8 mm Diameter bars	KG	613		
	Smooth surface Marine Ply formwork as described to:-				
F	Sides and soffits of beams, ring beams and lintels.	S.M.	146		
G	Sides columns	S.M.	101		
4.00	4.0: WALLING				
	Walling				
	150mm Ndarugu machine dressed natural quarry stones to walling in cement and sand (1:3) mortar to be keypointed on the external side and flash-smoothened even on the internal side as described and including reinforcement at				
	each alternate course with hoop iron all materials and workmanship to Approval of the engineer:-				
A.	150 mm Thick walling externally	S.M.	350		
В.	150 mm Ditto gable walls	S.M.	20.8		
	Sub- Total Page 4 Taken to Summary Page				

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
	Provisional Sums ( Special requirements)				
А	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
С	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
5.00	5.0: ROOFING & RAINWATER DISPOSAL			(====)	(=====)
	26 Causa Propainted DD760 have profiled reafine sheets				
	26 Gauge Prepainted BP760 box profiled roofing sheets effective 762mm width and minimum 200 mm end laps fixed				
	to metal purlins with and including hook bolts, self tapping				
	screws, washers and nuts at 600mm c/c to Engineers details and including fixing, POLYCLOSURES AND FOAM FILLERS all				
A	as supplied by approved source.	S.M.	245		
	Ridge and hip caps guage 26 ditto.	L.M.	20.6		
	Structutal Steel				
	All Steel Works to be to B.S 449				
	Roof Structure (Provisional)				
	Structural steelwork to B.S 449 primed with RED OXIDE with and including fillet welds and Spary painted with 2				
	Coats Gloss Oil Paint of an approved colour as CROWN				
	paints or Other Equal and approved source				
	The following trussess/steel members hoisted approximately				
	6000mm above ground level in trusses not exceeding				
	11,000mm span and including all cutting, wastes,				
	fabrication, 6mm fillet welding, jointing, stiffener plates, anchorage and bolting to Engineers detail and approval.				
	60 x 40 x 3mm SHS members Rafters and bottom chords fixed				
	to Engineer's detail	L.M.	450.4		
D	40 x 40 x 3mm SHS members Struts & Ties ditto	L.M.	348.5		
	40 x 40 x 3mm Purlins approx. 1200mm c/c and including				
F	connection bolts as per Engineers details all anchored to Truss using Angle Cleats/weld to Engineers detail	L.M.	280		
	Anti-Sag rods, diameter 12 mm including fixing to Engineers	15.171.	200		
F	detail and approval	L.M.	40		
	40 x 40 x 3mm L - shape (Angles) Bracing to Trusess fixed to				
G	Engineer's detail	L.M.	40		
	Rainwater disposal				
	200x2mm mild steel fascia bould with moulded edges, fixing to				
	approval to steel roof structure members, primed on both sides				
Н	and painted on the outside surface in three coats gloss paint to approval	L.M.	52		
	180mm moulded plastic box Gutter complete with all fittings to				
	Engineers details, fixing to approval to steel roof structure				
I	members.	L.M.	40		
т	110 mm Dia. PVC down rainwater pipe complete with fittings, primed and gloss painted to approval.	L.M.	24		
		NO.	4		
	Extra for swan neck bend.		4		
	Ditto horse shoe bend.  Ditto outlet.	NO.	4		
		NO.			
N	End Plate	NO.	4		
_			5	of 7	

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
	Provisional Sums ( Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
С	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

				DATE	AMOUNT
ITEM	DESRIPTION	IINIT	OTY	KAIE	AMOUNT
112.11		01111	Q.1.	(Kshs)	(Kshs)

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.00	BILL 1 - PRELIMINARY AND GENERAL ITEMS				
	Provisional Sums ( Special requirements)				
A	Provide Kshs. 100,000 for site setup establishment and removal on completion. Mobilization and demobilization of equipment and personel and disposal of all waste material away from site as directed by the project Engineer.	Ls	1.0		
В	Provide Kshs. 20,000 for any costs associated with compliance with Environmental ,Health and Safety requirements.	Ls	1.0		
С	Add 10% for contractor's Markup on provisional sum for items A&B above	%			
	Sub-Total page 01 Taken to collection page				

ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
ITEM	DESRIPTION	UNIT	QTY	RATE (Kshs)	AMOUNT (Kshs)
6.00	6.0: FINISHES				
	Cement/sand (1:3) as described in:-				
A.	50 mm Thick cement/ sand rendered floor mixed with red oxide powder	S.M.	200		
	Wall finishes				
	Pointing		+		
	Cement/sand (1:3) ,steel trowelled smooth to:-		+		
В	Flash joints internally	S.M.	348		
C.	Keyed joints externally	S.M.	348		
	Emulsion paint				
	Prepare surface and apply one mist coat and 3 finishing				
	coats of high quality gloss oil paint of approved colour as manufactured and supplied by CROWN PAINTS or				
D	BASCO PAINTS similar approved to:- Plastered walls surfaces internally	S.M.	65		
	•				
Е	Metallic surfaces	S.M.	5		
	Prepare surface and apply one mist coat and 3 finishing coats of high interior quality Permacote/ Weather Guard				
	paint of approved colour as manufactured and supplied by				
Е	CROWN PAINTS or BASCO PAINTS similar approved to:	CM	(5		
F	Rendered walls surfaces externally	S.M.	65		
	6.0 Ventilation				
A.	Precast concrete vents laid in 1:3 cement mortar	S.M	13.5		
	7.0 DOORS				
	In mild steel				
	4000 x 3000 x 3 mm high rolling door Steel casement door,				
	with all rolling rails and rollers, fixing lugs welded together				
	including all ironmongery, priming in CROWN ZINC chromate				
А	and 3 coats gloss painting, all to engineers details and approval.	NO.	1		
A		110.			