	BILL OF QUANTITIES FOR REHABILITTION				
	& SUBSTATION BALASTING LOT-4				
ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUNT
	Preliminaries-For All substation sites in the Lot				
	Allow for a temporary site office prefarably portable				
	that can be shifted to multiple site or external arrangement as per contractor convinience(Works lasting only 4 months)	iTEM	1		
1	Ditto but provide at his own risk and cost where directed on the site weatherproof lockup sheds for the safe storage and custody of material for the Works and for the use of workmen engaged thereon and shall remove such sheds and make good damaged or disrupted surfaces upon completion to the satisfaction of the Project Manager.	ITEM	1		
2	Allow for clean water for the works	ITEM	1		
3	Allow for all the necessary statutory approvals for the works	ITEM	1		
4	Allow for temporary sign post for the proposed works	ITEM	1		
5	The Contractor shall allow and be entirely responsible for the security of all the Works, stores, materials, plant, personnel, etc, both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.	ITEM	1		
6	Allow for Insurance Cover for the proposed works and workers.	ITEM	1		
7	Allow for a qualified personel conservant with Kenya Power safety regulations for the entire contract period	ITEM	1		
8	Allow communication,facilitation,Data for inspections and the like for CIT and Project Team-provisional 1,200,000	ITEM	1		
9	Allow for supply of power or provide for an adequate Capacity Generator on site for the supply of power for use for the works.	ITEM	1		
K	Allow for demobilization and relocation to different site	ITEM	1		
	TOTAL TO SUMMARY PAGE -PRELIMINARY				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT	
NO.	2200141 11011	0		0111111111	7 5	
7707						
	NANDI HILLS 33/11KV SUBSTSTION					
	SWITCHYARD					
	Clear shrubs, bushes and all vegetation inside and					
4	around the substation perimeter chainlink fence	SM	2480			
1	externally and internally including all debris and the	e SIVI 2480	OIVI	2400		
	like and burn the arising					
	Bulk oversite excavation to remove vegetable soil					
2	average depth 150mm and cart way to Municipal	CM	380			
	Council designated damping sites					
	Average 300mm thick selected well compacted					
	imported and approved murram fill, compacted in					
3	layers of 150mm thick using a plate compactor to	CM	400			
	receive ballast to gradual slope terminating at					
	srorm drain(ms)					
	Apply suitable and approved weed killer, herbicide					
	to surfaces of backfill as per the Manufacture's	SM				
4	written instructions and a 12 month guarrantee and		2480			
	provide a					
	copy to client.					
	1000 gauge polythene or other equal and					
5	approved mebrane laid on compacted and treated	SM	2480			
	surface with welted laps of 200mm wide.					
	Supply and spread uniformly 150mm thick (30-					
6	40mm) crushed Agregates/ ballast (machine	SM	1270			
	crushed) in switchyard (<i>Live Area only).</i>					
	Provide 150mm precast concrete or CAST insitu					
8	channel 300mm above switchyard level along the	LM	280			
0	edges of invert drain block(ms),road edges(ms) to	LIVI	200			
	secure ballast from falling					
9	Allow for 100mm thick, loose - surfacing quarry	SM	920			
9	dust to all <i>Non - Live areas</i>	SIVI	920			
	The state of the s					
	TOTAL TO OUR MADY DAGE 2					
	TOTAL TO SUMMARY PAGE 2					

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
	Compacted Backfill - Lower depression area				
	ALLOW for hard compacted and approved				
	murram average depth 1.8m depth in layers not				
	exceeding 150mm average compacted layers to				
10	95%MDD, to the lower side of existing control	СМ	1045		
10	room for the new control room building area	Civi	1043		
	including slope stabilization, stone				
	pitching/gabioning as necessary. Final level to				
	match existing/rehabiliated live switch-yard				
	Base stabilization/thickening using hardcore				
	poulders average 300mm thick well compacted to				
11	receive hard compacted murram including all	СМ	235		
''	necessary french drains using 100mm dia. HD	Civi	233		
	Pvc pipes (300m) below the hardcore as directed				
	by the Engineer				
	CABLE TRENCHES & DUCTS				
	Refurbish existig cable trenches by hacking				
	150mm tongue and grove and extension to 300mm				
	above				
	ground by lean concrete on the 150mm thick walls-				
1	including road crossing and manholes on both	LM	100		
,	sides and new extension as necessary. Allow for	_ivi	100		
	150mm diameter heavy duty pvc ducts 45m long				
	and bends- to a maximum of 30pices for				
	connecting equipments to new and refurbished				
	trenches				
	Provide and put in place (600x300x70mm) thick				
	precast concrete trench covers reinfoced with Y8				
2	bars spaced at 100mm both ways with fair face	NO	300		
	finish on both sides;				
	concrete to class 20				
	Allow for KPLC re-locations/re-positioning of				
3	existing cables and other equipments, earthing	Item	1		
	improvements and the like during the works				
	1 m				
	my m				
	TOTAL TO SUMMARY PAGE 3				
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ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.	CTODM WATER REALNAGE				
	STORM WATER DRAINAGE				
	Excavate on site drain trench not exceeding 1.5m				
1	deep including plunking and struting, disposal of	CN4	405		
1	soil to receive drainage channels and forming	CM	485		
	sloping sides well compacted to receive side slabs				
	(ms)				
	Lay (300x450mm) precast concrete invert block				
	drains to a suitable fall with grooved edge and				
2	tounged joints filled with cement/sand mortar (1:3)	LM	270		
	and laid on 50mm				
	thick plain concrete bed terminating at storm				
	oulets.				
	Allow for 300mm diameter culverts at the gate or				
3	300mm wide gratings in ms angles and 20mm	LM	6		
	diameter rods and storm interceptor channels as				
	necessary				
	Supply and lay on sides of sloped trench	LM	-M 540		
4	(75x230mm wide) precast concrete slabs jointed				
	in 1:3 cement sand				
	mortar				
	PERIMETER WALLING 172MX1.2M - 600MM				
	AGL				
	Block walling in cement sand mortar (1:3) including				
	and reinforced with 20 SWG hoop iron in every two				
	alternating course.including all bases excavations				
	,concrete works & dewatering				
	, somercie works a dewatering				
1	200mm thick natural stone wall	SM	210		
2	Ditto but pile pillars	SM	70		
	Allow class 20 concrete for strips and bases				
3	including all necessary reinforcements in D10 @	CM	31		
	200 centers , formwork and the like				
4	Allow for plaster/finishes,with 2 coats of black	SM	210		
4	bituminous paint	Olvi	SM 210		
	Allow for 350x350 x 50mm Thick precast concrete				
E	copings bedded on top of 200mm. thick walling in	1 1 1 1	LM 210		
5	1:4 Cement sand mortar and extra over/for	LM			
	copings on pile pillars				
	TOTAL TO SUMMARY PAGE 4				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
	MASONRY RETAINING WALL - 43M Long x 2.5M				
	at edge of new filled up/compacted/sabilized				
	ground				
	Block walling in cement sand mortar (1:3) including				
	and reinforced with 20 SWG hoop iron in every two				
	alternating course.including all bases excavations				
	,concrete works, planking & strutting and				
	dewatering				
6	200mm thick natural stone wall	SM	110		
	Ditto but 400mm thick pile pillars @2.5m c/c with a				
7	projection of 600mm from the face of the wall	SM	25		
	externally				
	Allow class 20 concrete for strips and bases				
8	including all necessary reinforcements in D10 @	CM	CM 10		
0	200 centers , formwork and the like including base	CIVI		10	
	thickening				
9	Allow for plaster/finishes,with 2coats of black	SM	140		
9	bituminous paint	Sivi	140		
	Allow for 350x350 x 50mm Thick precast concrete				
10	copings bedded on top of 200mm. thick walling in	LM	43		
	1:4 Cement sand mortar				
	REFURBISHMENTS/Guard House/Pit-Latrine				
	Refurbish existing gate by applying 2coats of metal				
1	gloss paint to kplc approval including gate	ltem	1		
	alignment, drop bolts, hinges and the like				
	ALLOW for 2mx2m security sentry within the				
	substation next to existing gate with lighting point				
	and 2nos. Socket outlets, screeded concrete floor,				
2	including fencing it off from the switch-yard with	Item	1		
	chainlink fence perimeter not exceeding 12m long				
	and creating an exit grilled wicket-gate to the				
	outside. The sentry should be free external				
	weather elements -Allow 200,000				
	1 ~ v				
	a way				
	TOTAL TO SUMMARY PAGE 5				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
	Allow for repair and reinforce existing chainlink-				
	290m long wooden posts,mesh,strands where				
3	dilapidated and realign well with new proposed half	ltem	1		
	wall, including extending by 20m to match existing,				
	all works to client satisfaction.				
	Allow for standard kplc two-door 2mx1.8m pit -				
4	latrine within the switch-yard at the non-live area -	ltem	1		
	drawing -Allow 8sqm -IQSK Unit rates				
	ACCESS ROAD REPAIR & EXTENSION(Live				
	Switch-yard)				
	ALLOW for hard compacted 5m wide (235sq.m.)				
	gravel road on				
	33/11kv live- side with average 300mm compacted				
1	layers to 95%MDD including road kerbs,channels	SM	235		
'	and all road paintings.finished surface with quarry	Olvi	200		
	chips 100mm. Extra over on provision to curved				
	sectionS near tranformer and at the junction to				
	control room areas.				
	Allow for Repair of existing external murram				
2	access road 20m long leading to the substation	Item	1		
_	gate including re-graveling, surfacing and side	пст	'		
	drains including connection with the internal road				
	CONTROL ROOM MODIFICATION (7mx5m) and				
	height to match existing				
	The items of demolitions and removal shall include				
	shoring making good disturbed areas to match				
	existing and loading and carting away debris				
	unless otherwise specified.				
	Carefully demolish the existing external masonry	ITEM	1		
	wall portion 5m,hack the existing RC Floor				
1	slub,roof beam and the like including internal cable				
	trenches and extend the same to connect to the				
	new trench and cut away rubbles.				
	,				
	TOTAL TO SUMMARY PAGE 6				
<u> </u>	TOTAL TO SUIVIIVIANT FAGE 0				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
2	Provide an approved fire,water and dust proof	ITEM	1		
	hoarding or barrier between the wall being				
	demolished and the control room installed panels.				
	Properly secure any damage or mishandling the	ITEM	1		
3	existing contrl cables during the entire contruction				
	period.and make good all demolished area				
	Excavate strips and column bases commencing	CM	40		
	from stripped level and not exceeding 1.5m deep				
4	and cart away the spoil including all necessary				
	form work,plunking,struting,leveling and blinding				
	trench bottom and water dispasal.				
	Average 150mm thick layers of selected and well				
_	compacted imported murram fill , compact using				
5	approx. 2 ton vibrating roller to receive hardcore				
	filling.	CM	10		
	Selected imported hardcore fill, compacted in				
6	layers of 150mm thick to make up levels to				
	satisfaction of client	CM	7		
7	Return, fill and ram selected excavated materials	CM	3		
,	around foundations and trenches.				
8	Load cart away surplus excavated materials and	CM	42		
	dispose in areas designated by local authority.				
9	50mm thick approved murram blinding on				
	hardcore fill.	SM	35		
	Insecticide.				
	Prepare and apply "Premise 200 CC " or equal and	SM	35		
10	approved insectcide to surfaces of blinding as per				
	manufacturer"s written instructions.				
	Damp Proofing.				
11	1000 gauge polythene DPM laid on top of blinding	SM	35		
	including 200mm side and end laps.				
	BRC Mesh A142				
	BRC mesh reference No. A142 weighing 2.22kg	SM	35		
12	per square meter including 150mm minimum end				
	and side laps, bends, tying wires and spacer				
	blocks.				
	TOTAL TO SUMMARY PAGE 7				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
	Concrete				
	Vibrated reinforced concrete class 25 as				
	described in				
13	150mm thick ground floor slab.	SM	35		
14	Column footings /plinth beams /thickenings/strips	СМ	10		
	<u>Superstructures</u>				
	Damp Proof Course.				
45	200mm wide dump proof cource (DPC) laid with	LM	25		
15	1:3 mix cement sand mortar.				
	Walling(both sub structure and super structure)				
	Walling in cement sand mortar (1:3) including and				
	reinforced with 20 SWG hoop iron in every two				
	alternate courses.				
	200mm thick medium dressed natural stone	SM	90		
16	wall/approved concrete blocks/Machine cut stones				
	as control room walling.				
	Sawn formwork to;				
17	Vertical sides of floor slab/ beams /lintel	LM	55		
18	Sides of columns	SM	48		
	Vibrated reinforced concrete class				
	25 (1:2:4/25) as described in:				
19	Ring beam/Columns,Lintels	CM	10		
	Steel reinforcement bars including cutting, bending,				
	spacer blocks, tying wires and fixing. High tensile				
	bars to BS 4469: 8mm to 12mm bars in strip				
	foundation,column bases,footing and cable				
	trenches.				
20	D 8 -12	KG	1200		
	Allow for fiting of 2Nos. PVC Sliding windows				
21	with4mm glazing.Window and 1door to match the				
	existing.	ITEM	1		
	Allow provisional sum for small				
	accessories,lugs,connectors fittings and the like to				
22	facilitate builders work completeness during				
	transformer ,panel and cable instsllations ksh.				
	300,000	ITEM	1		
	(I what we will be a second of the second o				
	TOTAL TO SUMMARY PAGE 8				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.					
	ROOF WORKS(Headroom to match existing)				0
	Allow for new Lean to roof consisting of 5 no. light	SM	40		
	weight trusses, 26 G alluminium sheets with				
23	fireprrooof ceiling at headroom, hoisting and fixing				
20	into position steel trusses spanning 5m,Roofing				
	sheet rain water goods and any other related				
	fittings.				
	Finishes				
	13mm thick cement sand plaster (1:4) to walling	SM	360		
24	and soffits of floor slab mixed with lime smooth				
	finish to receive paint both internally and externally.				
	13mm cement sand mortar(1:4) on walling and the	SM	40		
25	gable surfaces externally with steel foat finish.				
	Prepare and apply undercoat, 1 coat of vinyl matt	SM	360		
	and 3 coats of premium grade silk vinyl emmulsion				
26	paint on all plastered surfaces internally and				
	externally. (Colour scheme to be provided by				
	client)				
	Flooring				
27	20mm thick cement sand (1:3) screed for floor to	014	40		
	receive hardener	SM	40		
28	30mm thick well polished floor finish OR hardened	014	40		
	industrial floor ELECTRICAL INSTALLATION WORKS	SM	40		
		ITENA	1		
	Electrical builders work to power supply points for	ITEM	ļ		
	4No. double socket outlets, 3No. lighting points				
29	and all the necessary fittings, earthing the control				
29	room incuding chasing and making good all works				
	as described- INCLUDING Supply and fix of all				
	fittings and commisioning electrical works to				
	approval of client Repair existing fixtures,repaint checker	LOT	1		
30	Repair existing fixtures,repaint checker plates,electrical fittings ,sockets and the like	LOT			
	places, electrical littiligs, sockets allu tile like				
	1 2 2				
	1 1/2 m				
	TOTAL TO SUMMARY PAGE 9				

ITEM	DESCRIPTION	UNIT	QTY	UNIT RATE	AMOUNT
NO.		ITEN 4	4		
24	Allow for fume extracxtor fan on battery area with	ITEM	1		
31	extrusion vanes,minimum 600mm dia complete				
	with fittings gauze anti dust protection and guard		_		
	Allow suply fix ,calibration and mounting of Fire	Sets	2		
32	extinguishers as follows ;13kg/ltr CO2,dry powder				
	2 sets . Fabricate and fix double leaf steel gate 4m wide to				
	match existing, including 400x400mm R.C				
	columns, pcc copings, 75x75x4mm mildsteel				
	S.H.S posts embeded in concrete columns with				
1	fish-tailed angle brackets for hanging the gate,all	LOT	1		
	necessary iron-mongery, drop-bolts,painting to				
	both steel gate and conrete columns.All				
	neccessary excavations, reinforcements(D8-D12)				
	to columns and column bases to Engineers				
	approval				
	ALLOW for hard compacted 4m wide (120sq.m.)				
	gravel road to serve new control room from				
	existing external murram road with average				
	500mm compacted layers to 95%MDD including				
	road kerbs,channels and all road paintings.finished				
2	surface with quarry chips 100mm thick, including	SM	120		
	extra over on provision to curved sections. Road				
	base stabilization averagely 400mm thick using				
	boulders/harcore hand-packed & compacted to				
	Engineer's approval including all necessary				
	excavations & leveling.				
	TOTAL TO SUMMARY PAGE 10				
	SUMMARY PAGE				
	TOTAL FROM PAGE -PRELIMINARIES ALL LOTS				
	TOTAL TO SUMMARY PAGE 2				
	TOTAL TO SUMMARY PAGE 3				
	TOTAL TO SUMMARY PAGE 4				
	TOTAL TO SUMMARY PAGE 5				
	TOTAL TO SUMMARY PAGE 6				
	TOTAL TO SUMMARY PAGE 7				
	TOTAL TO SUMMARY PAGE 8	~ ~ ~			
	TOTAL TO SUMMARY PAGE 9	m			
	TOTAL TO SUMMARY PAGE 10				
	SUB-TOTAL NANDI HILLS SUBSTATION				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUI
	CHERANGANI 33/11KV SUBSTSTION				
	SWITCHYARD				
1	Clear shrubs, bushes and all vegetation inside and around the substation perimeter chainlink fence externally and internally including all debris and the like and burn the arising	SM	930		
2	Bulk oversite excavation to remove vegetable soil average depth 300mm and cart way to Municipal Council designated damping sites	СМ	280		
3	Average 300mm thick selected well compacted imported and approved murram fill, compacted in layers of 150mm thick using a plate compactor to receive ballast to gradual slope terminating at srorm drain(ms)	СМ	280		
4	Apply suitable and approved weed killer, herbicide to surfaces of backfill as per the Manufacture's written instructions and a 12 month guarrantee and provide a copy to client.	SM	930		
5	1000 gauge polythene or other equal and approved mebrane laid on compacted and treated surface with welted laps of 200mm wide.	SM	930		
6	Supply and spread uniformly 150mm thick (30-40mm) crushed Agregates/ ballast (machine crushed) in switchyard	SM	930		
8	Provide 150mm precast concrete or CAST insitu channel 300mm above switchyard level along the edges of invert drain block(ms),road edges(ms) to secure ballast from falling	LM	190		
9	Allow cleaning and re use of existing ballast to appointed areas in the yard	SM	310		

CABLE TRENCHES & DUCTS Refurbish existig cable trenches by hacking 150mm tongue and groove, extension to 300mm above ground by lean concrete on the 150mm 1 thick walls, rehabilitate trench base by cleaning and rescreeding to create slope including allowing connection to new extension trench (m.s.) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all 2 excavations, cartaway, backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs (ms)	ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUNT
150mm tongue and groove, extension to 300mm above ground by lean concrete on the 150mm 1 thick walls, rehabilitate trench base by cleaning and rescreeding to create slope including allowing connection to new extension trench (m.s) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		CABLE TRENCHES & DUCTS				
above ground by lean concrete on the 150mm thick walls, rehabilitate trench base by cleaning and rescreeding to create slope including allowing connection to new extension trench (m.s) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		Refurbish existig cable trenches by hacking				
thick walls, rehabilitate trench base by cleaning and rescreeding to create slope including allowing connection to new extension trench (m.s) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		150mm tongue and groove, extension to 300mm				
and rescreeding to create slope including allowing connection to new extension trench (m.s) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of 1 soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		above ground by lean concrete on the 150mm				
connection to new extension trench (m.s) - Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs	1	thick walls, rehabilitate trench base by cleaning	LM	25		
Provisional length - 25m Allow for extension of above trench by masonary 600x600mm overal dimensions including all 2 excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of 1 soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		and rescreeding to create slope including allowing				
Allow for extension of above trench by masonary 600x600mm overal dimensions including all 2 excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of 1 soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		connection to new extension trench (m.s) -				
600x600mm overal dimensions including all 2 excavations, cartaway,backfill, concrete class 20		Provisional length - 25m				
2 excavations, cartaway,backfill, concrete class 20 base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		Allow for extension of above trench by masonary				
base reiforced with Y8 bars @ 100c/c, internal and external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		600x600mm overal dimensions including all				
external plaster- provisional length 50m Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs	2	excavations, cartaway,backfill, concrete class 20	LM	50		
Allow for 150mm diameter heavy duty pvc ducts provisional length 40m including bends (30Nos.), 3 excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of 4 existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming Sloping sides well compacted to receive side slabs		base reiforced with Y8 bars @ 100c/c, internal and				
provisional length 40m including bends (30Nos.), excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		external plaster- provisional length 50m				
a excavations, concrete bases and haunching and connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		Allow for 150mm diameter heavy duty pvc ducts				
connecting equipments to new and refurbished trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		provisional length 40m including bends (30Nos.),				
trenches Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs	3	excavations, concrete bases and haunching and	LM	40		
Allow for KPLC re-locations/re-positioning of existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming Sloping sides well compacted to receive side slabs		connecting equipments to new and refurbished				
4 existing cables and other equipments, earthing improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		trenches				
improvements and the like during the works Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		Allow for KPLC re-locations/re-positioning of				
Provide and put in place (600x300x70mm) thick precast concrete trench covers reinfoced with Y8 5 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs	4	existing cables and other equipments, earthing	Item	1		
precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, dispoasl of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		improvements and the like during the works				
bars spaced at 100mm both ways with fair face finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		Provide and put in place (600x300x70mm) thick				
finish on both sides; concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		precast concrete trench covers reinfoced with Y8				
concrete to class 20 STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs	5	bars spaced at 100mm both ways with fair face	NO	275		
STORM WATER DRAINAGE Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		finish on both sides;				
Excavate on site drain trench not exceeding 1.5m deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		concrete to class 20				
deep including plunking and struting, disposal of soil to receive drainage channels and forming sloping sides well compacted to receive side slabs		STORM WATER DRAINAGE				
1 soil to receive drainage channels and forming CM 225 sloping sides well compacted to receive side slabs		Excavate on site drain trench not exceeding 1.5m				
sloping sides well compacted to receive side slabs		deep including plunking and struting, dispoasl of				
	1	soil to receive drainage channels and forming	CM	225		
(ms)		sloping sides well compacted to receive side slabs				
		(ms)				
		(of w)				
TOTAL TO SUMMARY PAGE 2		TOTAL TO SUMMARY PAGE 2				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUNT
	STORM WATER DRAINAGE			TOTIL	
	Excavate on site drain trench not exceeding 1.5m				
	deep including plunking and struting, dispoasl of				
1	soil to receive drainage channels and forming	CM	225		
	sloping sides well compacted to receive side slabs				
	(ms)				
	Lay (300x450mm) precast concrete invert block				
	drains to a suitable fall with grooved edge and				
2	tounged joints filled with cement/sand mortar (1:3)	LM	130		
	and laid on 50mm	LIVI	100		
	thick plain concrete bed terminating at storm				
	oulets.				
	Allow for fixing 300mm diameter culverts at the				
3	gate or 300mm wide gratings in ms angles and	LM	6		
	20mm diameter rods and storm interceptor				
	channels as necessary to Engineers approval				
	Supply and lay on sides of sloped trench				
4	(75x230mm wide) precast concrete slabs jointed	LM	260		
	in 1:3 cement sand				
	mortar				
	PERIMETER WALLING 130MX1.2M - 600MM				
	AGL				
	Block walling in cement sand mortar (1:3) including				
	and reinforced with 20 SWG hoop iron in every two				
	alternating course.including all bases excavations				
	,concrete works & dewatering				
1	200mm thick natural stone wall	SM	155		
2	Ditto but pile pillars	SM	43		
	Allow class 20 concrete for strips and bases				
3	including all necessary reinforcements in D10 @	CM	25		
	200 centers , formwork and the like				
4	Allow for plaster/finishes,with 2coats of black	SM	390		
4	bituminous paint	SIVI	390		
	Allow for 350x350 x 50mm Thick precast concrete				
5	copings bedded on top of 200mm. thick walling in	LM	130		
	1:4 Cement sand mortar				
	m n				
	TOTAL TO SUMMARY PAGE 3				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUNT
	Allow for base stabilization, with concrete class 20				
7	averagely 400mm thick, widening/thickening, of base and support pillars at the lower extended side	CM	10		
	CHAINLINK FENCING & REFURBISHMENTS				
	Chain-link Fencing				
	Refurbish the dilapidated and warn-out chanlink				
	fence in wooden poles by constructing new 2.4m				
	high x10A gauge chainlink fence, complete with				
	4mm diameter 5 strands of galvanized plain wire				
	pass through 3.0m high 150x150 - cranked				
	reinforced concrete posts placed at 2.5 m centers,	LM	130		
1	12 gauge barbed wire on 450mm - cranks,				
	including, excavation and erection works, 1:3:6				
	mix mass concrete surround at 600mm deep.				
	Allow for double concrete struts at all corners and				
	gates and as shall be directed by the Engineer.				
	Carefully remove and hand-over to client the old				
	chailink fence in totality				
	Substation Gate - Double leave				
	Carefully remove the existing dilapidated steel				
	gate, and hand-over to client. Fabricate and fix				
	standard primary substation Grill gate				
	75x75x4mm main frame with 50mm diameter				
	6No.aheavy duty gauge 8 wire mesh, bushes				
1	including excavation for the gate columns & bases,	LOT	1		
	concrete works, reinforcement D8-D12, erection &				
	proper alignment, gate column pcc copings and 3				
	coats of 1st grade gloss paint to Engineer's				
	approval on both metal surfaces and gate				
	columns				

			ı		
	ALLOW for 2mx2m security sentry within the				
	substation next to the relocated gate with lighting				
	point and 2nos. Socket outlets, screeded concrete				
	floor, including fencing it off from the switch-yard				
2	with chainlink fence perimeter not exceeding 15m	Item	1		
	long and creating an exit grilled wicket-gate to the				
	outside. The sentry should be free from vagaries				
	of external weather elements				
	TOTAL TO SUMMARY PAGE 4				
ITEM				UNIT	
NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
110.	ACCESS ROAD REPAIR & EXTENSION			NAIL	
	ALLOW for hard compacted 5m wide (170sq.m.)				_
	• • • • • • • • • • • • • • • • • • • •				
	gravel road on				
	33/11kv live- side with average 500mm compacted				
1	layers to 95%MDD including road kerbs,channels	SM	170		
	overal 90LM and all road paintings.Finished	Civi	170		
	surface with quarry chips 100mm, including extra				
	over on provision to curved section near				
	tranformer plinth.				
	Allow for Repair of external murram access road				
	20m long leading to the substation gate including	LM	20		
2	graveling, loose surfacing and side drains including				
	connection with the internal road and laison with				
	KENHA.				
	Allow for 600mm dia. x 6m long concrete culvert				
	including all excavations, concrete base, head &				
3	wing walls, haunching and clean the open earth-	Item	1		
	drain 40m long in laison with relevant Authorities				
	TOTAL TO SUMMARY PAGE 5				
	SUMMAY PAGE			ΔΙΛ	OUNT
	COMMENT TAGE			FAIV	-
					_
	TOTAL FROM PAGE 1				
		4			
	TOTAL FROM PAGE 3				
	TOTAL FROM PAGE 4				
	TOTAL FROM PAGE 5				
	SUB-TOTAL CHERANGANYI 33/11 SUBSTATION				

ITEM	DESCRIPTION	UNIT	QTY	UNIT	AMOUNT
NO.				RATE	
	ITEN 33/11KV SUBSTATION				
	<u>SWITCHYARD</u>				
Α	Excavate oversite vegetable soil average depth of	SM	1500		
	300mm and cart way to Municipal Council				
	designated damping site				
В	Supply and spread average 150mm thick selected	SM	1500		
	well compacted imported and approved murram fill,				
	compacted in layers of 150mm thick using a				
	plate/vibrating portable roller compactor to receive				
	ballast (ms) to gradual slope terminating at storm				
	drain				
С	Apply suitable and approved weed killer,	SM	1500		
	herbicide to surfaces of backfill as per the				
	Manufacture's written instructions and a 12 month				
	guarrantee and provide a copy to client.				
D	1000 gauge polythene or other equal and	SM	1430		
	approved membrane laid on compacted and				
	treated surface with welted laps of 200mm wide.				
E	Supply and spread uniformly 150mm thick (30-	SM	1430		
	40mm) crushed Agregates/ ballast in switchyard.				
	(machine crushed)				
F	Provide concrete insitu channel 200x 200x275mm	LM	175		
	above switchyard level along the edges of invert				
	drain block,road edges to secure from falling				
	ballast.				
	STORAGE AREA				
G	Site clearance to remove grass, shrubs and the	SM	750		
	like and burn thearises.	01.1	750		
Н	Excavate oversite 150mm thick and cart away the	SM	750		
	excavated materials to designated County				
	damping area.	014	750		
l	Supply and spread average 150mm thick selected	SM	750		
	well compacted imported and approved murram fill,				
	compacted in layers of 150mm thick using a				
	plate/vibrating portable roller compactor to receive				
	ballast (ms) to gradual slope terminating at storm				
	drain				
	TOTAL TO SUMMARY PAGE 1				
			1		

ITEM	DECODIFICAL CONTRACTOR OF THE PROPERTY OF THE	LINUT	OT/	UNIT	AMOUNT
NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	FENCING				
J	Construct 225mm thick substructure quarry	SM	202		
	natural stone wall and approved natural machine				
	cut stone walling in superstructure and reinforced				
	with 20 SWG hoop iron in every two alternating				
	course.bedded and jointed in cement and sand				
	(1:3)mortar; maximum height 1.5m from strip				
	foundation to copping top(MS);including				
	excavation, backfilling and carting away surplus				
	materials from site.				
K	Ditto but 400x400mm stone piles/pillars at 3.0m	SM	72		
	intervals including construction joints at every				
	30.0m.				
L	150mm thick viibrated reinforced concrete class	CM	21		
	25/20 (1:2:4) in 1 strip and pile foundations				
М	Ditto but in throted copping; average 50mm thick	СМ	4		
	and with both falls.				
N	15mm thick cement sand plaster (1:4) to walling to	SM	279		
	receive paint (ms)	014	070		
L	Prepare and apply two coats of premimium grade	SM	279		
	bituminous paint on wall plastered surfaces				
A	Chainlink 1.5m high x10A Gauge chain-link complete with	LM	155		
	4mm diameter 3 strands of galvanized plain wire	LIVI	155		
	passing through hole in the 2.0m high				
	75x50x1.5mm thick RHS,450mm cranked posts				
	(55No) placed at 3.0m centers, 3No. strands of				
	12Gauge barbed wire on 450mm cranks,				
	including, excavation and erection works, mortised				
	in 1:3:6 mix mass concrete surround 300mm				
	deep, including 16N0.75x50x1.5mm thick RHS				
	strut posts at approprite locations; including				
	priming and painting the steel posts with				
	supergloss premimium grade paint				
В	Fair face plain concrete insitu copping (1:3:6)mix	СМ	5		
	size; 200x75mm high to anchor and hold chain-link				
	ion top of half wall.				
	TOTAL TO SUMMARY PAGE 2				

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT RATE	AMOUNT
	Gate				
С	Refurbish the exist gate; repaint and make good to	ITEM	1		
	satisfactory of the Engineer.				
	CABLE TRENCHES & DUCTS				
D	Refurbish existig cable trenches by hacking	LM	61		
	150mm and raise to 300mm above ground by lean				
	concrete on the 150mm walls and clearing the				
	debris in trenches.				
Е	Provide and put in place precast concrete trench	NO	211		
	covers size; 900x300x75mm thick, reinfoced with				
	T8 bars spaced at 100mm both ways with fair face				
	finish on both side; concrete to class 25				
F	Supply and lay 110mm diameter class 41 UPVC	LM	150		
	ducts to receive control cables running on the				
	surface; including excavation of trench, backfilling				
	and 100mm thick hounching on ducts sorrounds.				
	C C				
	STORM WATER DRAINAGE				
Α	Excavate on site drain trench not exceeding 1.5m	СМ	223		
	deep including plucking and struting, dispoasl of				
	soil to receive drainage channels and forming				
	sloping sides in well compacted murram bed.				
В	Lay (300x450mm) precast concrete invert block	LM	120		
	drains to a suitable fall with grooved edge and				
	tounged joints filled with cement/sand mortar (1:3)				
	and laid on 50mm thick plain concrete bed				
С	Supply and lay on sides of sloped trench	LM	240		
	(75x230mm wide) precast concrete side slabs				
	jointed in 1:3 cement sand mortar		<u> </u>		
D	Fair face plain concrete strip (1:3:6)mix, size;	СМ	13		
	150x250mm high to on both side of drain including				
	excavation and carting away the excavated				
	materials.				
D2	Allow for combined Laser jet printer ,scanner, up to	ITEM	1		
	A3 to be used in the entire project for project				
	managers office use. Allow 140,000				
	m n				
	TOTAL TO SUMMARY PAGE 3				

ITEM	DESCRIPTION	UNIT	QTY.	UNIT	AMOUNT
NO.				RATE	7 0.10
	ACCESS ROAD				
Е	Excavate access road 300mm deep commencing	СМ	53		
	from ground level and cart away to designated				
	damping area by the County Government.				
		014	70		
F	Supply and handpack hardcore, 450mm thick, well	CM	79		
	rammed and consolidated in 150mm thick layers in				
	stripped access road.	ON 4	075		
G	Ditto but 50mm thick approved 3/8" clean ballast	SM	375		
- 11	on access road survace	1.54	474		
Н	250 x 125mm High pre-cast concrete kerb bedded	LM	174		
	and jointed in cement and sand (1:4) mortar				
	including 325x100mm thick mass concrete class				
	20/20 in foundation and haunching at the back, all				
	necessary formwork and excavations.				
ı	Construct 8.0m long open drain channel size;	ITEM	1		
	450mm wide and 450mm deep, 150mm thick				
	reinforced concrete walling and base; including				
	63x63x4mm thick MS angle line embedded in				
	concrete with fish-tailed 12mm diameter x 125mm				
	long MS inserts, in drain walling to recive steel				
	gratting (ms);				
J	D10 at 150mm centres both ways	KG	105		
K	Provide fabicated 8.0m long heavy duty grating;	ITEM	1		
	450mm wide with 20mm ribbed bars welded in MS				
	angle 63x63x4mm thick frame at 50mm centres.				
	Prpare and apply gloss primer and two coats of				
	1st grade aluminium gloos paint.				
	Prefabricated Mild steel Unit-Hut				
Α	Rehabilitate the exist control room building; repair	ITEM	1		
	and make good all areas, supply and lay				
	600x600x50mm thick precast paving blocks				
	embeded on well compacted 50mm murram,				
	jointed with cement/sand mortar (1:4) around the				
	contol building.				
A2	Remove and cart old fence and securely place in	5			
	designated position in the store yard				
	TOTAL TO SUMMARY PAGE4				

ITEM	DESCRIPTION	UNIT	QTY.	UNIT	AMOUNT
NO.	DESCRIFTION	OINII	QII.	RATE	AMOUNT
В	Prepare and apply two coats of premimium	ITEM	1		
	aluminium gloss paint to unit-hut surfaces internally				
	and externally				
С	Allow for construction non-executive pit latrine ,	ITEM	1		
	Approx.4m ² with flat roof fixed on steel rafters and				
	28G pre-painted box profile roofing sheets. [Draft				
	proposal by contractor to client for approval]-IQSK				
	unit rates				
D	Ditto but guard house.	ITEM	1		
	Ditto but guara riodoc.	11 = 141	•		
	TOTAL TO SUMMARY PAGE 5				
	SUMMAY PAGE			AM	OUNT
	TOTAL FROM PAGE 1				
	TOTAL FROM PAGE 2				
	TOTAL FROM PAGE 3				
	TOTAL FROM PAGE 4				
	TOTAL FROM PAGE 5				
	SUB-TOTAL ITEN 33/11 SUBSTATION				
	SUMMARY PAGE LOT 4 NORTH RIFT				
	SUB-TOTAL. NANDI HILLS 33/11 KV				
	SUBSTATION				
	SUB-TOTAL CHERANNGANYI 333/11KV				
	SUBSTATION				
	SUB-TOTAL ITEN 333/11KV SUBSTATION				
	TOTAL				
	ADD 0.03% LEVY ADD 16% VAT				
	TOTAL TO FORM OF TENDER LOT 4-NORTH RIFT				
	Amount in words:				
	7 Milount III Words				
	Company Stamp				
	. , .				
	Signed:				
	Name:				
				Λ.	w
	Address:			(2 1)	The state of the s
	Conctract Period:12 MONTHS COMPLY TO DUF	RATION	VF	S NO	
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