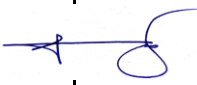
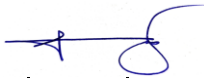


<b>PROPOSED CIVIL WORKS FOR FLOOD MITIGATION AT NAIROBI WEST 66/11 KV SUBSTATION AND IT'S ENVIRONS</b>					
<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (KSh. PPCBL Incl.)</b>	<b>Amount (Kshs)</b>
	<b><u>LOT I-SCOPE WITHIN KONGONI SECONDARY AND PRIMARY SCHOOL</u></b>				
	<b><u>PRELIMINARIES</u></b>				
A	<p><b>Location and access to the Site</b>                      The Nairobi west 66/11kv Substation is located in Nairobi South C Estate, off Kiganjo Avenued and next to Kongoni Primary School. The bidder is advised to visit Site, to familiarize himself with the nature and position of the Site. No claims arising from the Contractor’s failure to do site visit will be entertained.</p>				
B	<p><b>Pricing items of preliminaries</b>                      Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The Contractor is advised to read and understand all preliminary items. The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all cost involved in complying with all the requirements for the proper execution of the whole of the Works in the Contract</p>				
C	<p><b>Prevention of Accidents, damage or loss.</b>                      The Contractor is notified that these works are to be carried out on a school premises where all school activies will continue with all thier normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent noise, accidents, damage or loss and disruption of activities being carried out in the school. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p>				
D	<p><b>Existing Services</b>                      Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services. The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services, and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Client.</p>	<b>ITEM</b>	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</b></p> <p>The Contractor shall constantly keep on the works /site a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the Resident Engineer's of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>				
B	<p><b>Insurance</b></p> <p>The Contractor shall insure as required in Conditions of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	ITEM	1		
C	<p><b>Site Security</b></p> <p>The Contractor shall 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 from the public.</p>	ITEM	1		
D	<p><b>Sign Boards</b></p> <p>The Contractor shall allow for provision to erect publicity, project details, directional, safety, etc sign boards, maintaining and later clearing away on completion of work such sign board. The positioning, the size, type of construction and lettering shall be to client's approval.</p>	ITEM	1		
E	<p>Allow a Provisional Sum of Kes. 750,000.00 for project manager, project engineer, and project supervisors on communications and data for both electronic and print. (Allow markup as necessary)</p>	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>Visitor's Book, Site Diary &amp; Instruction Book</b> The Contractor shall keep on the Site a visitors' book for recording the names of all persons who visit the site for the purpose of the project. He shall also maintain on the Site a diary in which he shall record site activities on a daily basis and particularly any occurrence which bears on the progress of the Works in any way. The visitors' book and the diary shall be surrendered to the Client at the completion of the project or at any other time that he may be directed.</p>	ITEM	1		
B	<p><b>Statutory County &amp; Government approvals</b> Allow for re- drafting,customizing and replication for drawings to suit approver needs/standards including professional fees by contractor nominated professionals &amp; NCA</p>	ITEM	1		
C	<p><b>Site Office and Store</b> The Contractor shall 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. The site office preferably portable that can be shifted to multiple location within the school and KPLC site.</p>	ITEM	1		
D	<p>Allow a provisional sum for liaison with relevant Government agencies and statutory authorities including but not limited to inspections, traffic management coordination, utility relocation coordination, and compliance with regulatory requirements in connection with drainage and associated works; the contractor shall allow for all administrative support, documentation, follow-ups, and facilitation necessary to secure such approvals and clearances as directed by the Engineer.</p>	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

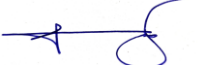
Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</b></p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use. OR Allow for adequate Capacity Generator on site for the supply of power for use for the works.</p>	ITEM	1		
B	<p><b>Tests</b></p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called by the Client for his approval or rejection and any other samples in the case of rejection until such samples are approved by the Client and the Client may reject any materials or workmanship not in his opinion up to the approved samples.</p>	ITEM	1		
C	<p>Allow for provision of entire drainage route spot-heights and contour profiles for establishing working levels a drainage system within Kongoni Schools &amp; KPLC substaion a drainage route, prior to work commencement for approval as directed by the Engineer.</p>	ITEM	1		
D	<p><b>Hoarding</b></p> <p>The Contractor shall allow for providing approximately 2.0m high and 120.0 metres long hording, around the proposed drainage route, (within the schools compound) ease of moving it as the drainage construction progresses, maintaining and later clearing away after completion. This is for the preventing the student and pupils from accessing the contruction site and preventing and danger.</p>	ITEM	1		
	<p><b>NOTE: THE BIDDER IS HEREBY NOTIFIED THAT NO EXCAVATION MATERIALS SHALL BE KEPT/STORED IN THE SCHOOL COMPOUND THUS, HAULING OR TRANSPORTATION OF EXCAVATED MATERIALS WILL BE CARTED AWAY AS EXCAVATION CONTIUES.</b></p>				
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

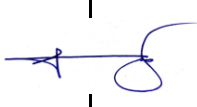


Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b><u>Open Drain Along Kongoni Secondary School Access Road.</u></b> <b><u>ALL PROVISIONAL</u></b>				
A	Excavate drainage trench, cut and shape in a 'V' - formation ready to receive invert drain block (ms), commencing from ground level, 1.5m deep.	CM	25		
B	Load and cart- away excess excavated materials from site to County Government Approved dumping site	CM	25		
C	Provide, lay and join 600x450x 300mm deep Precast Concrete invert block drains with one (1) courses off side slabs on both sides (ms) laid on a 100mm thick murrum well compacted bed and jointed by 1: 3 mix cement/sand mortar.	LM	45		
D	Ditto but 600x275x75xmm thick side slab	LM	90		
E	Uproot 800mm diameter tree stump, grab the roots and burn the arising.	NO	1		
F	Cut down trees, grub up roots >1000mm diameter	NO	1		
	<b><u>Pedestal wall along the School Access Road [ 500mm high above the ground level]</u></b>				
G	Excavate foundation trench commencing from ground level 1.5m deep.	CM	76		
	Load and cart- away excess excavated materials from site to County Government Approved dumping site	CM	39		
	Return, ram and fill selected excavated, and approved borrow materials around the foundations	CM	37		
H	<b><u>Blinding(Plain Concrete Class 10 )</u></b> 50mm thick (1:4:8) Concrete blinding to pit bottoms	M <sup>2</sup>	50		
	<b><u>Vibrated Reinforced Concrete Class 25/20 mm</u></b> <b><u>Aggregates In:</u></b>				
I	250mm thick base	M <sup>3</sup>	13		
J	Pedestal wall	M <sup>3</sup>	23		
	<b><u>High yielded steel reinforcement bars including cutting, bending, tying and fixing in place, spacer blocks and tying wires to BS 4449.</u></b>				
K	D8-12mm	KG	662		
	<b><u>Fair - Face Formwork to:</u></b>				
L	To vertical sides of pedestal wall	M <sup>2</sup>	211		
	<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>				


Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b>UNDER GROUND BOX CULVERT.</b>				
	<b>[LOCATED WITHIN KONGONI SECONDARY &amp; PRIMARY SCHOOLS]</b>				
A	Remove carefully existing concrete paving blocks and road kerbs on access road and secure for re-use. Approx. 150m <sup>2</sup>	ITEM	1		
B	Demolish existing boundary walls & concrete gate column along the underground drainage route as directed by the Engineer.	ITEM	1		
C	Re-construct the demolished school boundary wall and gate column to match the existing and to Engineer's satisfactory.	ITEM	1		
D	Excavate trench commencing from ground level and not exceeding 1.5m deep	M <sup>3</sup>	1377		
E	Ditto but over 1.5m but not exceeding 3.0m	M <sup>3</sup>	964		
F	Extra -Over for excavating in all classes of rock	M <sup>3</sup>	459		
G	Allow for all necessary plunking and strutting	ITEM	1		
H	Allow for disposal of general water by pumping, bailing or otherwise	ITEM	1		
I	Load and Cart-Away surplus excavated materials from site to County Government Approved dumping site	M <sup>3</sup>	2341		
J	Return, ram and fill selected excavated, and approved borrow materials to cover the underground drainage to make level with the adjacent existing ground.	M <sup>3</sup>	463		
	<b><u>Blinding(Plain Concrete Class 15 )</u></b>				
K	50mm thick (1:3:6) Concrete blinding to pit bottoms	M <sup>2</sup>	930		
	<b><u>Vibrated Reinforced Concrete Class 25/20 mm</u></b>				
	<b><u>Aggregates In:</u></b>				
L	200mm thick box culvert Base, Walls and top cover.	M <sup>3</sup>	558		
M	15mm thick average 1:3 mix cement/sand mortar screed to drain bed finish smooth trowelled.	M <sup>2</sup>	500		
	<b><u>High yielded steel reinforcement bars including cutting,bending, tying and fixing in place, spacer blocks and tying wires to BS 4449.</u></b>				
N	<u>D10 &amp; D16</u>	KG	32788		
	<b><u>Fair - Face Formwork to:</u></b>				
O	To all surfaces of concrete.	M <sup>2</sup>	3024		
	<b><u>Expansion Contruction Joint</u></b>				
P	Expansion joint in reinorced concrete wall, 25mm wide, including provision and fixing of compressible filler board, installation of PVC waterstop, backer rod and approved polyurethane sealant, complete as per Engineer's details.	SM	17		
	<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>				


Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<b>Grating on Open Drain</b> Supply and fix fabricated <b>GALVANIZED</b> mild steel grating of size, 2.5x2.7m, hot-dip galvanized (>95 microns) comprising of 50x50x4mm SHS frame and with welded open boxes of approx. size, 615x560mm; (Total length of 50x50x5mm SHS is approx.25.0m girth) filled with spaced 50x5mm thick flat bar welded vertically at 50mm centres on open spaces to make grating holes, both ways, and equally spaced uniformly as described;	NO	28		
B	Ditto but Galvanized 50x50x5mm angle line embedded in concrete edgings of the open drain top fixed with 150mm long fish-tailed 12mm diameter inserts to receive grating (ms)	LM	140		
C	Provide and install steel bollards to open drainage with grating, 900mm high above ground, 150mm diameter and 5mm thick, hot-dip galvanized and with two strip of reflective paint, set in 300x300x300 deep in class 20 concrete foundation, including excavation, backfilling and making good surrounding area, as complete as per Engineer's details.	NO	42		
D	Rehabilitation of existing inlet open drainage system emanating from Muhoho road to the school compounds, directing it to the proposed underground box culvert inlet, including site clearance, breaking out and removal of damaged or failed concrete, excavation to required lines and level and disposal of the spoils.	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
<b>SUMMARY PAGE</b>					
	BROUGHT FORWARD FROM PAGE 1 FOR LOT I BROUGHT FORWARD FROM PAGE 2 FOR LOT I BROUGHT FORWARD FROM PAGE 3 FOR LOT I BROUGHT FORWARD FROM PAGE 4 FOR LOT I BROUGHT FORWARD FROM PAGE 5 FOR LOT I BROUGHT FORWARD FROM PAGE 6 FOR LOT I BROUGHT FORWARD FROM PAGE 7 FOR LOT I				
	<b>SUB-TOTAL</b>  ADD 16% VAT				
	<b>TOTAL CARRIED TO FORM OF TENDER FOR LOT I</b>				
Company Stamp  Signed: ..... Name: .....  Address: .....  Contract Period: <b>52 Weeks</b> .....AGREE OR DISAGREE .....					

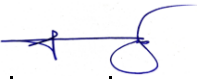
Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b><u>LOT II - SCOPE AT KPLC SUBSTATION AND DRAINAGE ALONG ACCESS ROAD TO THE RIVER</u></b>				
<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p><b><u>PRELIMINARIES</u></b></p> <p><b>Location and access to the Site</b> The Nairobi West 66/11kV Substation is located in Nairobi South C Estate, off Kiganjo Avenue and next to Kongoni Primary School and Uhuru Highway. The bidder is advised to visit Site, to familiarize himself with the nature and position of the Site. No claims arising from the Contractor’s failure to do site visit will be entertained.</p> <p><b>Pricing items of preliminaries</b> Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The Contractor is advised to read and understand all preliminary items. The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all cost involved in complying with all the requirements for the proper execution of the whole of the Works in the Contract</p> <p><b>Prevention of Accidents, damage or loss.</b> The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal system operation activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p> <p><b>Existing Services</b> Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services. The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services, and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Client.</p>	<p>1</p>	<p>ITEM</p> 		
	<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>				

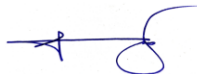
Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</b></p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the Resident Engineer's of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>				
B	<p><b>Safety Personnel</b></p> <p>Contractor should allow for a qualified Safety Officer conversant with <b>Kenya Power</b> contractors safety regulations for the entire contract period who will be responsible for receiving Daily Work Permits in daily basis The working hours shall be those generally given by the client in accordance with the safety regulations. No work shall start in the absence of the safety person having received permit to work from the relevant authorizing officer.</p>	ITEM	1		
C	<p><b>Insurance</b></p> <p>The Contractor shall insure as required in Conditions of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	ITEM	1		
D	<p><b>Site Security</b></p> <p>The Contractor shall 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 from the public.</p>	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

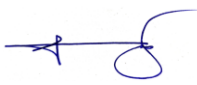


Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>Sign Boards</b> The Contractor shall allow for provision to erect publicity, project details, directional, safety, etc sign boards, maintaining and later clearing away on completion of work such sign board. The positioning, the size, type of construction and lettering shall be to client's approval.</p>	ITEM	1		
B	<p>Allow a Provisional Sum of Kes. 750,000.00 for project manager, project engineer, and project supervisors on communications and data for both electronic and print. (Allow markup as necessary)</p>	ITEM	1		
C	<p><b>Visitor's Book and Site Diary</b> The Contractor shall keep on the Site a visitors' book for recording the names of all persons who visit the site for the purpose of the project. He shall also maintain on the Site a diary in which he shall record site activities on a daily basis and particularly any occurrence which bears on the progress of the Works in any way. The visitors' book and the diary shall be surrendered to the Client at the completion of the project or at any other time that he may be directed.</p>	ITEM	1		
D	<p><b>Statutory County &amp; Government approvals</b> Allow for re- drafting,customizing and replication for drawings to suit approver needs/standards including professional fees by contractor nominated professionals &amp; NCA</p>	ITEM	1		
E	<p>Allow for final As built -2 copies in colour A3 Binded in spiral booklets and digital backup in potable drive after completion</p>	ITEM	1		
F	<p>Allow a provisional sum for liaison with relevant Government agencies and statutory authorities including but not limited to inspections, traffic management coordination, utility relocation coordination, and compliance with regulatory requirements in connection with drainage and associated works; the contractor shall allow for all administrative support, documentation, follow-ups, and facilitation necessary to secure such approvals and clearances as directed by the Engineer.</p>	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

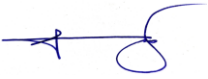
Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>Site Office and Store</b></p> <p>The Contractor shall provide at his own risk and cost where directed on the site weatherproof lockup sheds for the safe storage and custody of material for the Works and for the use of workmen engaged thereon and shall remove such sheds and make good damaged or disrupted surfaces upon completion to the satisfaction of the Project Manager. The site office preferably portable that can be shifted to multiple location within the school and KPLC site.o</p>	ITEM	1		
B	<p><b>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</b></p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use. OR Allow for adequate Capacity Generator on site for the supply of power for use for the works.</p>	ITEM	1		
C	<p><b>Tests</b></p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called by the Client for his approval or rejection and any other samples in the case of rejection until such samples are approved by the Client and the Client may reject any materials or workmanship not in his opinion up to to the approved samples.</p>	ITEM	1		
D	<p>Allow for provision of entire drainage route spot-heights and contour profiles for establishing working levels a drainage system within Kongoni Schools &amp; KPLC substaion a drainage route, prior to work commencement for approval as directed by the Engineer.</p>	ITEM	1		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT I</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<p><b>Hoarding</b></p> <p>The Contractor shall allow for providing approximately 2.0m high and 100.0 metres long hoarding, around the proposed drainage route, (within the schools compound) ease of moving it as the drainage construction progresses, maintaining and later clearing away after completion. This is for the preventing the student and pupils from accessing the construction site and preventing and danger.</p>	ITEM	1		
<p><b>NOTE: THE BIDDER IS HEREBY NOTIFIED THAT NO EXCAVATION MATERIALS SHALL BE KEPT/STORED ON SITE THUS, HAULING OR TRANSPORTATION OF EXCAVATED MATERIALS WILL BE CARTED AWAY AS EXCAVATION CONTIUES.</b></p>					
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b><u>School Wall with Retaining Wall Foundation</u></b>				
	<b><u>ALL PROVISIONAL</u></b>				
A	Demolish existing boundary wall, approx.120.0m long and cart away the debris to County Government dumping site.	ITEM	1		
B	Remove the existing gate and secure for reuse.	ITEM	1		
C	Excavate retaining wall foundation trench commencing from ground level and not exceeding 1.5m metres deep.	M <sup>3</sup>	216		
D	Ditto but over 1.5m deep but not exceeding 3.0m deep	M <sup>3</sup>	43		
E	Load and cart- away excess excavated materials from site to County Government Approved dumping site	M <sup>3</sup>	86		
F	Return, ram and fill selected excavated, and approved borrow materials to foundation surrounds	M <sup>3</sup>	173		
G	50mm thick Plain concrete blinding (1:3:6)mix (Class 15/20 mm Aggregate)	M <sup>2</sup>	144		
	<b>Vibrated reinforced concrete class 20/25 1:2:4 as described in;</b>				
H	250mm thick retaining wall base	M <sup>3</sup>	36		
I	200mm thick average retaining wall with fairly smooth face finish.	M <sup>3</sup>	66		
J	Beam (200x350mm deep)	M <sup>3</sup>	8		
K	Columns	M <sup>3</sup>	3		
L	Provide and install weep holes in concrete retaining wall, formed using 200mm diameter uPVC pipes laid through the wall at required spacing as per the Engineer's details.	NO	99		
	<b>Precast concrete coping</b>				
M	450 x 450 x 75mm thick coping weathered and throated all round bedded on top of columns with cement and sand (1:4) mortar.	LM	43		
N	Ditto but 500x50mm on gate column	NO	2		
O	Ditto 375 x 50mm thick bedded on top of 200mm thick walling.	LM	100		
	<b><u>Expansion Joint</u></b>				
P	20mm thick construction joint in flex cell or equal and approved expansion joint and (25x25)mm expedite sealer	M <sup>2</sup>	2		
	<b>Fair face formwork to:-</b>				
Q	Vertical sides of retaining wall	M <sup>2</sup>	600		
R	Ditto column surfaces	M <sup>2</sup>	41		
S	Ditto beam 	M <sup>2</sup>	84		
	<b>High Yield deformed Reinforcement Bars, to BS 4449 including cutting, bending, tying, fixing, and spacer blocks.</b>				
T	D 8 -D12	KG	7887		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<p><b><u>Machine cut natural stone blocks or other equal and approved building blocks: minimum compressive strength 7N/mM2 : regular coursed walling of uniform colour : bedded and jointed in cement and sand (1:3) mortar : 20 gauge x 25mm hoop iron in every alternate course</u></b></p>				
U	200mm thick wall	M <sup>2</sup>	120		
V	<p><b><u>12mm thick plaster in wall internally</u></b> Walls and columns internally.</p>	M <sup>2</sup>	120		
	<p><b><u>Prepare and apply two coats weatherguard emulsion paint : on</u></b></p>				
W	Plastered walls, columns and beams.	M <sup>2</sup>	120		
X	<p><b>Fair face:-</b> Extra over stone walling for wire brushing and key</p>	M <sup>2</sup>	120		
Y	Key pointing to form recessed horizontally	M <sup>2</sup>	120		
Z	<p><b><u>Prepare and apply two coats bituminous paint : to</u></b> Surfaces of retaining wall</p>	M <sup>2</sup>	600		
					
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b>Drainage Along the School wall</b>				
A	Excavate drainage trench, cut and shape in a 'V' - formation ready to receive invert drain block (ms), commencing from ground level, 1.5m deep.	CM	27		
B	Load and cart- away excess excavated materials from site to County Government Approved damping site	CM	27		
C	Provide, lay and join 600x450x 300mm deep Precast Concrete invert block drains laid on a 100mm thick murrum well compacted bed and jointed by 1: 3 mix cement/sand mortar.	LM	50		
D	Ditto but two courses of 600x275x75xmm thick side slab in both sides of the drain.	LM	50		
E	Demolish existing culvert at gate school entry.	ITEM	1		
F	Excavate trench to receive precast culvert (ms) commencing from demolition level but not exceeding 1.5m deep.	M <sup>3</sup>	25		
G	Supply, transport and install <b>twin</b> precast concrete pipes; 900mm internal diameter plaid to correct drain line and level, including joining materials, sealing and testing.	LM	6		
	<b>Vibrated Reinforced concrete (1:2:4)mix (Class 2/20 mm Aggregate) in;</b>				
H	Construct 200mm thick in-situ mass concrete sorround, including bedding, haunching, encasement, compaction, A142 BRC reinforcement, formwork, curing and all necessary accessories, complete in accordance to Enginer's details.	LM	6		
	<b>Rehabilitation of Existing Open Storm Water Drains</b>				
I	Rehabilitation of existing open drainage chunnels, including site clearance, breaking out and removal of damaged or failed concrete, excavation to required lines and level and disposal of the spoils.	ITEM	1		
J	Re-construct in-situ reinforced concrete drain bed and sloping sides in class C25/20 concrete, 100mm thick, reinforced with approved BRC mesh type A142, placed centrally, including provision and fixing of formwork to sides, compaction, finishing to smooth surface, formation of construction and expansion joints at 3.0m intervals using approved joint filler, curing for minimum of 7 days and Engineer's satisfactory. [site visit to ascertain the scope is critical in quoting appropriately]	LM	200		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b>Box Culvert Drainage Joining the River</b>				
K	Excavate trench commencing from ground level and not exceeding 1.5m deep	M <sup>3</sup>	153		
L	Ditto but over 1.5m but not exceeding 3.0m	M <sup>3</sup>	153		
M	Allow for all necessary plunking and strutting	ITEM	1		
N	Allow for disposal of general water by pumping, bailing or otherwise	ITEM	1		
O	Load and Cart-Away surplus excavated materials from site to County Government Approved dumping site	M <sup>3</sup>	306		
P	Return, ram and fill selected excavated, and approved borrow materials to cover the underground drainage to make level with the adjacent existing ground.	M <sup>3</sup>	51		
	<b><u>Blinding(Plain Concrete Class 15 )</u></b>				
Q	50mm thick (1:3:6) Concrete blinding to pit bottoms	M <sup>2</sup>	102		
	<b><u>Vibrated Reinforced Concrete Class 25/20 mm</u></b>				
	<b><u>Aggregates In:</u></b>				
R	200mm thick box culvert Base, Walls and top cover.	M <sup>3</sup>	67		
S	15mm thick average 1:3 mix cement/sand mortar screed to drain bed finish smooth trowelled.	M <sup>2</sup>	78		
	<b><u>High yielded steel reinforcement bars including cutting,bending, tying and fixing in place, spacer blocks and tying wires to BS 4449.</u></b>				
	<u>D10&amp; D16</u>	KG	2577		
	<b><u>Fair - Face Formwork to:</u></b> 				
P	To all surfaces of concrete.	M <sup>2</sup>	318		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
<b>ACCESS ROAD/DRIVEWAY</b>					
A	Excavate to remove broken and cracked road surface, approx.400m <sup>2</sup> and cart away debris to designated County Government dumping site	ITEM	1		
<b>Filling</b>					
B	150mm thick handpacked hardcore, filling leveled, well rammed and consolidated in 75mm thick layers	M <sup>2</sup>	600		
C	50mm Thick quarry dust blinding on compacted hardcore (ms)	M <sup>2</sup>	600		
D	250 x 125mm High pre-cast concrete kerb bedded 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.	LM	200		
E	Extra-over ditto for curved on plan to various radii	LM	40		
F	100 x 125mm High pre-cast concrete channels	LM	200		
G	Extra-over ditto for curved on plan to various radii	LM	40		
H	Heavy duty industrial concrete paving blocks size (210x105x80mm) minimum strength 49N/mm square laid in herringbone pattern laid to slope on quarry dust (measured separately) and compacted	M <sup>2</sup>	600		
<b>BRIDGE AT THE GARAGE</b>					
I	Excavate pits for embartment walls commencing from exixting ground level, bur not exceeding 1.5m deep.	M <sup>3</sup>	15		
J	Ditto but over 1.5.0m deep but not exceeding 3.0m deep.	M <sup>3</sup>	15		
K	Extra excavation in all classes of rock.	M <sup>3</sup>	15		
L	50mm thick Plain concrete blinding (1:3:6)mix (Class 15/20 mm Aggregate)	M <sup>2</sup>	10		
<b>Vibrated reinforced concrete class 20/25 1:2:4 as described in;</b>					
M	Foundation	M <sup>3</sup>	3		
N	Abutment walls	M <sup>3</sup>	6		
O	Beams	M <sup>3</sup>	2		
P	Shear walls	M <sup>3</sup>	1		
Q	300mm thick suspended deck slab	M <sup>3</sup>	15		
<b><u>Fair - Face Formwork to:</u></b>					
R	To vertical side of abutment walls	M <sup>2</sup>	58		
S	Ditto but shearr walls	M <sup>2</sup>	3		
T	Ditto but soffit of suspended deck	M <sup>2</sup>	50		
U	Ditto soffit and sides of the beams	M <sup>2</sup>	11		
N	Vertical sides of the decking slabs	LM	30		
<b>High Yield deformed Reinforcement Bars, to BS 4449 including cutting, bending, tying, fixing, and spacer blocks.</b>					
V	D 8 -D12	KG	3063		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
<b>Culvert at KPLC Gates</b>					
A	Remove the existing gate and secure for reuse.	ITEM	1		
	Remove existing 80mm thick precast paving blocks at KPLC gate and store for reuse.	ITEM	1		
	Excavate trench to receive precast culvert (ms) commencing from reduced level but not exceeding 1.5m deep and cart away	M <sup>3</sup>	72		
	Supply, transport and install precast concrete pipes; 900mm internal diameter laid to correct drain line and level, including joining materials, sealing and testing.	LM	32		
	<b>Vibrated Reinforced concrete (1:2:4)mix (Class 2/20 mm Aggregate) in;</b>				
	Construct 200mm thick in-situ mass concrete sorround, including bedding, haunching, encasement, compaction, A142 BRC reinforcement, formwork, curing and all necessary accessories, complete in accordance to Enginer's details.	LM	32		
B	Demolish existing masonry wall; approx.70.0m load, cart away debris to designated damping site.	ITEM	1		
<b>Retainig wall on KPLC Substation</b>					
	Cut down trees, grub up roots >450mm diameter	NO	11		
C	Excavate foundation trench commencing from ground level and not exceeding 1.5m metres deep.	M <sup>3</sup>	576		
D	Ditto but over 1.5m deep but not exceeding 3.0m deep	M <sup>3</sup>	115		
E	Load and cart- away excess excavated materials from site to County Government Approved damping site	M <sup>3</sup>	235		
F	Return, ram and fill selected approved borrow materials to foundation sorrounds	M <sup>3</sup>	456		
G	Fix secured gate and made good gate columns height to match with new level of intalled culverts and improve the motarable slope from external road with the internal road.	ITEM	1		
H	50mm thick Plain concrete blinding (1:3:6)mix (Class 15/20 mm Aggregate)	M <sup>2</sup>	384		
<b>Vibrated reinforced concrete class 20/25 1:2:4 as described in;</b>					
I	250mm thick retaining wall base	M <sup>3</sup>	96		
J	200mm thick average retaining wall with fairly smooth face finish.	M <sup>3</sup>	176		
	Ditto but beam	M <sup>3</sup>	5		
<b>Precast concrete class 20/20 in:-</b>					
M	450 x 450 x 75mm. Thick coping weathered and throated all round bedded on top of columns with cement and sand (1:4) mortar.	NO	25		
N	Ditto 375 x 50mm thick bedded on top of 200mm thick walling.	LM	60		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
A	<b>Expansion Joint</b> 20mm thick construction joint in flex cell or equal and approved expansion joint and (25x25)mm expedite sealer	M <sup>2</sup>	8		
B	<b>Fair face formwork to:-</b> Vertical sides of retaining wall	M <sup>2</sup>	1497		
C	Ditto column surfaces	M <sup>2</sup>	25		
D	Ditto beam	M <sup>2</sup>	252		
E	<b>High Yield deformed Reinforcement Bars, to BS 4449 including cutting, bending, tying, fixing, and spacer blocks.</b> D8 -D12	KG	21269		
F	<b>Machine cut natural stone blocks or other equal and approved building blocks: minimum compressive strength 7N/mM2 : regular coursed walling of uniform colour : bedded and jointed in cement and sand (1:3) mortar : 20 gauge x 25mm hoop iron in every alternate course</b> 200mm thick wall	M <sup>2</sup>	100		
G	<b>12mm lthick in wall internally</b> Walls and columns internally.	M <sup>2</sup>	100		
H	<b>Prepare and apply two coats weatheguard emulsion paint : on</b> Plastered walls, columns and beams.	M <sup>2</sup>	100		
I	<b>Fair face:-</b> <u>Extra over</u> stone walling for wire brushing and key	M <sup>2</sup>	100		
J	Key pointing to form recessed horizontally	M <sup>2</sup>	100		
K	<b>Prepare and apply two coats bituminous paint : to</b> Surfaces of retaining wall	M <sup>2</sup>	1472		
L	<b>Chainlink</b> 1.5m high x10A Gauge chain-link complete with 4mm diameter 3 strands of galvanized plain wire passing through hole in the 1.5m high 75x50x3mm thick RHS (overall length =2500), 450mm cranked posts (26No) placed at 3.0m centers, 3No. strands of 12Gauge barbed wire on 500mm cranks, including, excavation and erection works, mortised in 1:3:6 mix mass concrete surround 300mm deep, including 10N0.75x50x3mm thick RHS strut posts at appropriate locations; including priming and painting the steel posts with supergloss premium grade paint.	LM	90		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
	<b>Drainage Along the Retaining wall</b>				
A	Excavate drainage trench, cut and shape in a 'V' - formation commencing from ground level, 1.5m deep.	M <sup>3</sup>	217		
B	Load and cart- away excess excavated materials from site to County Government Approved damping site	M <sup>3</sup>	217		
C	Provide, lay and joint 600x450x 300mm deep Precast Concrete invert block drains laid on a 100mm thick murrum well compacted bed and jointed by 1: 3 mix cement/sand mortar.	LM	230		
D	Ditto but two courses of 600x275x75mm precast side slabs	LM	460		
	<b>Drainage Grating at KPLC substation Gate</b>				
E	Remove carefully existing precast concrete paving blocks at the gate entrance and secure for re-use. Approx. 15m <sup>2</sup>				
F	Excavate drainage trench, commencing from reduced level, 1.5m deep.	CM	12		
G	Load and cart- away excess excavated materials from site to County Government Approved damping site	CM	12		
H	50mm thick Plain concrete blinding (1:3:6)mix (Class 15/20 mm Aggregate)	M <sup>2</sup>	10		
	<b>Vibrated reinforced concrete class 20/25 1:2:4 as described in;</b>				
I	150mm thick retaining wall base	M <sup>2</sup>	10		
G	250mm thick wallings	M <sup>3</sup>	16		
	<b>Fair face formwork to:-</b>				
K	Vertical sides to walls	M <sup>2</sup>	32		
K	Supply and fix fabricated 50x50x4mm angle line embedded in concrete edgings of the open drain top fixed with 150mm long fish-tailed 12mm diameter inserts to receive grating (ms)	LM	18		
M	Galvanized mild steel grating covers, comprising of 50x50x4mm angle iron frame and filled with welded 20mm diameter deformed bars to form gratings (spaced at 25mm centres, including placing and fitting well on the 50x50x4mm thick angle line (ms) embedded in concrete edges of the drain trench.	LM	8		
N	Prepare and apply 2 coats of red oxide primer and 2 coats of silver aluminium finish grating metal surfaces.	SM	18		
<b>TOTAL CARRIED TO SUMMARY PAGE FOR LOT - II</b>					

Item No.	Description	Unit	Qty	Rate (KSh. PPCBL Incl.)	Amount (Kshs)
<b>SUMMARY PAGE</b>					
	BROUGHT FORWARD FROM PAGE 9 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 10 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 11 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 12 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 13 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 14 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 15 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 16 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 17 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 18 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 19 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 20 FOR LOT II				
	BROUGHT FORWARD FROM PAGE 21 FOR LOT II				
	<b>SUB-TOTAL</b>				
	ADD 16% VAT				
	<b>TOTAL CARRIED TO FORM OF TENDER</b>				
<p>Company Stamp</p> <p>Signed: .....</p> <p>Name: .....</p> <p>Address: .....</p> <p>Contract Period: <b>52 Weeks</b> .....AGREE OR DISAGREE .....</p>					