



## KENYA RURAL ROADS AUTHORITY TENDER NOTICE

### ADDENDUM NO. 1

### UPGRADING, SPOT IMPROVEMENT & CONSTRUCTION OF DRAINAGE STRUCTURES ON VARIOUS ROADS – LOT 8

Reference is made to the Tender Notice that appeared in the MyGov Edition Star Newspaper dated 17<sup>th</sup> February 2026 and the Long Advert Issued on 24<sup>th</sup> February, 2026, on the Authority's website.

Interested Bidders are requested to note the following clarifications and amendments;

1. That the Bills of Quantity (BoQ) and the Special Specifications Section 102 for the Tender for Upgrading to Bitumen Standard of Galana – Kulalu Approach Roads, Tender No. RWC/942 has been revised and is attached herein as ***Annex 1***.
2. That the below tenders will be available for download as from 6<sup>th</sup> March 2026. Interested Bidders are advised to download the Tender Documents from the Authority's website [www.kerra.go.ke](http://www.kerra.go.ke).
3. That the submission date for the tenders under LOT 8 is hereby revised from 13<sup>th</sup> March, 2026 to respective dates detailed below. The tender submission date for the tender for Upgrading to Bitumen Standard of Galana – Kulalu Approach Roads, Tender No. RWC/942 remains as on or before 13<sup>th</sup> March 2026 at 11:00AM. The submission location, venue and place of opening remains as Barabara Plaza, Block B, 3<sup>rd</sup> Floor, South Wing.

S/No.	Region	Tender No.	Road Name	Date of Pretender Site Visit & Location	Revised Date of Closing and Opening
1.	Kilifi	RWC 942	Galana – Kulalu Approach Roads	27 <sup>th</sup> March, 2026 at 10:00 AM Meeting Point: KeRRA Offices Malindi Town	13 <sup>th</sup> March, 2026 at 11:00 AM
2.	Kakamega	RWC 943	Matunda River Nzoia Road	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kakamega	18 <sup>th</sup> March, 2026 at 11:00 AM
3.	Kakamega	RWC 944	Kosoki – Mawe Tatu Roads	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kakamega	18 <sup>th</sup> March, 2026 at 11:00 AM
4.	Kakamega	RWC 945	Ibokolo – Shianda Nambacha Road	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kakamega	18 <sup>th</sup> March, 2026 at 11:00 AM

S/No.	Region	Tender No.	Road Name	Date of Pretender Site Visit & Location	Revised Date of Closing and Opening
5.	Kakamega	RWC 946	Matungu – River Sio Road	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kakamega	18 <sup>th</sup> March, 2026 at 11:00 AM
6.	Kakamega	RWC 947	Kyayega – Malimali – Shimanyiro Road	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kakamega	18 <sup>th</sup> March, 2026 at 11:00 AM
7.	Nyandarua	RWC 948	Huruma Estate – Jnct C77 Olkalou Town	Open but Mandatory. Meeting Point: KeRRA Regional Office - Nyandarua	18 <sup>th</sup> March, 2026 at 11:00 AM
8.	Kisumu	KeRRA/08/ 39/64/2025 -2026	Grace Ogot Estate Roads	Open but Mandatory. Meeting Point: KeRRA Regional Office - Kisumu	18 <sup>th</sup> March, 2026 at 11:00 AM

4. Interested Applicants are required to continually check the Authority's website: [www.kerra.go.ke](http://www.kerra.go.ke) for any tender addendums or clarifications that may arise before submission date.
5. All other information pertaining to the tenders remains the same.
6. Bidders with enquiries are encouraged to do so vide the email addresses [procurement@kerra.go.ke](mailto:procurement@kerra.go.ke), [ddev@kerra.go.ke](mailto:ddev@kerra.go.ke).

Deputy Director (Supply Chain Management)

**For: DIRECTOR GENERAL**

**ANNEX 1****Upgrading to Bitumen Standard of Galana – Kulalu Approach Roads, Tender No. RWC/942****Special Specifications****102 EXTENT OF CONTRACT**

The major works to be executed under the Contract comprise mainly of but are not limited to the following:

1. Provision of facilities to the supervising Engineers,
2. Site clearance and top soil removal,
3. Earthworks.
4. *Provision of G15 gravel as capping to achieve Class S4 improved subgrade extended to the shoulders as instructed by the Engineer.*
5. *Provision of 150mm HIG subbase of minimum CBR 60% (HIG 60) on carriageway and shoulders.*
6. *Provision and laying of 80mm DBM Base course (0/30) SUPER PAVE as Base on main carriageway, bus bays and shoulders.*
7. Laying of 50mm thick Asphalt Concrete Type 1 (0/20) SUPER PAVE wearing course on carriageway and shoulders.
8. The carriageway shall be 7.0 meters wide with shoulders (1.0m wide each) constructed with the material and thickness for subbase and base as above or as instructed by the Engineer.
9. Construction of standard pipe culverts, box culverts, bridges and the improvement of other drainage and soil erosion protection works.
10. Relocation of services as necessary.
11. Installation of road furniture
12. Maintenance of passage of traffic through and around the works
13. Maintenance of works during construction and during the defects liability period.
14. Any other activity not listed above either category but deemed to be necessary by the Employer, shall be subject to the Employer's formal instructions and within the mode of payment stipulated either by day works or on a measured basis.

**Bills of Quantities**

<b>UPGRADING TO BITUMEN STANDARD OF GALANA KULALU APPROACH ROADS &amp; INTERNAL ROAD NETWORK</b>		
<b>GRAND SUMMARY OF BILLS OF QUANTITIES</b>		
<b>BILL ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT (KShs)</b>
1	Preliminaries and General Items	
4	Site Clearance and Top soil stripping	
5	Earthworks	
7	Excavation and Filling for Structures	
8	Culvert and Drainage Works	

9	Passage of Traffic	
12	Natural Material Base and Subbase	
14	Lime/Cement Improved gravel Subbase and Base	
15	Bituminous Surface Treatment and Surface Dressing	
16	Bituminous Mixes	
17	Concrete Works	
20	Road Furniture	
21	Miscellaneous Bridge Works	
22	Schedule of Dayworks	
25	HIV/AIDS, Gender & Social Issues, Local Participation	
26	Land Acquisition & CSR Activities	
<b>A.</b>	<b>Sub-Total (1)</b>	
B.	Add 5% Variation of Price On Sub-Total 1	
C.	Add 5% Contingency on Sub-Total 1	
<b>D.</b>	<b>Sub-Total 2 = A + B + C</b>	
E.	Add 16% VAT on Sub-Total 2	
F.	Add 0.03% PPCBL on Sub-Total 2	
<b>TOTAL (D+E+F)</b>		

BILL NO. 1. PRELIMINARIES AND GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.01	Provide or rent accomodation for Engineer's senior and junior staff				
	(i)Type I - 1 No.	Month	18	65,000.00	
	(i)Type II - 2No.	Month	36	55,000.00	
	(iii) Type III - 3No.	Month	54	40,000.00	
	(iv) Type (iv) - 5 No.	Month	90	30,000.00	
	(v) Type (v) - 10 No.	Month	180	21,000.00	
	Total		Total Item 1.01		
1.02	E.O item 1.01 for contractor's overhead and profit	%	Item		
1.03	Provide or rent and maintain Engineer's Representative's office as shown on the drawings or as instructed by the Engineer for use during the duration of the Contract, ownership to revert to the Contractor at the end of the Contract	LS	1		
1.04	Provide or rent and maintain Engineer's Site Laboratory for the duration of the Contract, ownership to revert to the Contractor at the end of the Contract	LS	1		
1.05	Provide and maintain Laboratory equipment, reagents and other items as priced in Appendix 'A' to the Bill of Quantities for use by the Engineer's representative for the duration of the contract, ownership to revert to the contractor at the end of the Contract.	LS	1		
1.06A	Provide and maintain furniture , tools and other items for the Engineers Representative office for the duration of the Contract as priced in Appendix 'B' , ownership to revert to the contractor at the end of Contract.	LS	1		
1.06B	Provide and maintain survey equipment as priced in Appendix C for the duration of the contract, ownership to revert to the contractor at the end of Contract.	LS	1		

1.07	Provide with drivers, fuel and maintain one (1) new 4WD fully loaded Station Wagon of minimum diesel engine capacity 2800 CC approved by the Engineer for his exclusive use, inclusive of the first 5000km per vehicle month. Vehicle to revert to the Contractor at the end of the project.	Veh Month	18		
1.08	E.O item 1.07 for total aggregated mileage in excess of 5000 km per vehicle month.	Km	108,000		
1.09	Provide with drivers, fuel and maintain two (2) new 4WD fully loaded double cabin pick-up of minimum diesel engine capacity 2500 CC approved by the Engineer for his exclusive use, inclusive of the first 5000km per vehicle month. Vehicle to revert to the Contractor at the end of the project.	Veh Month	36		
1.1	E.O item 1.07 for total aggregated mileage in excess of 5000 km per vehicle per month.	Km	144,000		
1.11	Ditto item 1.09, but one (1) new 4WD Single cabin pick-ups with fibre glass body of minimum diesel engine capacity 2500cc approved by the Engineer for his exclusive use, inclusive of the first 5000km per vehicle month. Vehicle to revert to the Contractor at the end of the project.	Km	18		
1.12	E.O item 1.11 for total aggregated mileage in excess of 5000 per month.	Km	72,000		
1.13	Allow a Prime Cost Sum of Kshs.5,760,000.00 for the RE's miscellaneous account to be spent in whole or part as directed by the RE against receipts.	PC Sum	1	5,760,000.00	
1.14	E.O. item 1.13 for Contractor's overheads and profits.	%			
1.15	Allow a Prime Cost Sum of Kshs. 12,600,000.00 for attendance upon the Resident Engineer' staff.	PC Sum	1	12,600,000.00	

1.16	E.O. item 1.15 for Contractor's overheads and profits.	%			
1.17	Provide, erect and maintain publicity signs as directed by the Engineer.	No	2		
1.18	Allow a Prime Cost Sum of KShs.2,000,000.00 for training of Engineers as instructed or directed by the Engineer..	PC Sum	1	2,000,000.00	
1.19	E.O. item 1.20 for Contractor's overheads and profits.	%			
Bill No. 1 Total Carried Forward to Grand Summary					
BILL NO. 4 : SITE CLEARANCE AND TOP SOIL STRIPPING					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No separate payments shall be made for gravel for blinding or hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
4.01	Clear site on road reserve including removal of all growths, bushes,hedges, trees, stumps, grub up roots, and other deleterious materials and back-fill and compact to 100% MDD(AASHTO T99) with approved material as directed by the Engineer.	Ha.	50		
4.02	Strip top soil upto 0.2m in thickness along alignment or material sites including removal of all grass and other vegetation,transport to spoil and spread or stock pile for re-use as directed by the Engineer.	m3	48,000		
4.03	Provide KShs. 2,000,000 for the removal of old structures and stockpile for reuse as instructed by the Engineer to be paid on dayworks basis	Prov. Sum	1		
Bill No. 4 Total Carried Forward to Grand Summary					
BILL NO. 5 : EARTHWORKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No separate payments shall be made for gravel for blinding or hauling to spoil unsuitable excavation				

	materials and the cost of such shall be included in the rates and prices				
5.01	Fill in soft material including benching of shoulders and embankments and compaction to 95% MDD (AASHTO T99) in layers not exceeding 150mm	m3	106,000		
5.02	Extra Over Item 5.01 for compaction of the top 300 subgrade to 100% MDD.	m3	25,410		
5.03	Ditto item 5.01 but in hard material	m3	4,000		
5.04	Cut to spoil in soft material	m3	50,000		
5.05	Ditto item 5.04 but in hard material	m3	5,000		
5.06	Provide improved subgrade material as instructed by the Engineer and compaction to 100% MDD (AASHTO T99)	m3	47,450		
5.07	Compaction of top 300mm below formation level in cuts to 100% MDD.(AASHTO T99)	m3	12,950		
5.08	Compaction of 150mm original ground below fills to 95% MDD.(AASHTO T99)	m3	13,300		
5.09	Top-soiling prior to planting grass as directed by the Engineer	m2	44,000		
5.10	Grassing as directed by the Engineer	m2	44,000		
5.11	Provide and install geogrids in accordance with the specifications or as instructed by the Engineer.	m2	180,000		
<b>Bill No. 5 Total Carried Forward to Grand Summary</b>					
<b>BILL NO. 7 : EXCAVATION AND FILLING OF STRUCTURES</b>					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No separate payments shall be made for gravel for blinding or hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
7.01	Excavate to spoil in soft materials.	m3	1,000		
7.02	As item 7.01 but in hard material.	m3	500		

7.03	Provide,place and compact rockfill below and around strucures.	m3	500		
7.04	Provide and place 150mm thick stone pitching as directed by the Engineer including cement grouting	m2	10,000		
7.05	Excavate for gabions in soft material.	m3	1,600		
7.06	Provide and place gabion boxes and mattresses where directed by the Engineer.	m2	3,500		
7.07	Rockfill to gabions.	m3	2,800		
7.08	Filter fabric behind gabion boxes.	m2	2,000		
7.09	Provide and backfill approved material around new structures, compact 100% MDD (AASHTO T99) in layers not exceeding 150mm.	m3	1,600		
7.10	Allow for protection of structures pursuant to Section 708 of the specifications	LS	1		
Bill No. 7 Total Carried Forward to Grand Summary					

**BILL NO. 8. CULVERTS AND DRAINAGE WORKS**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No separate payments shall be made for gravel for blinding or hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
8.01	Excavate for inlet,outfall,mitre and catch water drains in soft material	m3	500		
8.02	As per item 8.01, but for hard material	m3	50		
8.03	Excavation in soft material for pipe culverts,headwalls, wingwalls, apron,toewalls,and drop inlets and compact as directed by the Engineer	m3	600		
8.04	As per item 8.03, but for hard material	m3	100		
8.05	Provide,lay and joint 600mm dia. concrete pipes (precast to BS 5911 Parts 1 & 3) for access roads	m	200		

8.06	As for item 8.05 but 900mm dia concrete pipes (precast to BS 5911 parts 1 & 3) for cross culverts	m	350		
8.07	As for item 8.05 but 1200mm dia concrete pipes (precast to BS 5911 parts 1 & 3)for cross culverts	m	200		
8.07	Provide and place class 15/20 concrete to beds, surround and haunches	m3	650		
8.08	Provide, place and compact class 25(20) concrete for headwalls, wingwalls, aprons, and toewalls to access and cross pipe culverts including all form work and the provision and placing of reinforcement as shown in the drawings	m3	250		
8.09	Provide and place invert block drains with two course side slabs	m	200		
8.10	Construct in concrete class 15(20) side drains scour checks as instructed	m3	300		
8.11	Provide and place precast concrete slabs 600mm x 600mm x 50mm and place over open lined drains in trade centres and markets	No.	1,000		
8.12	Provide subsoil filter drains fabric to isolated wet spots inclusive of artesian cloth, and 14/20mm single size aggregates as directed by the Engineer	m	1,000		
8.13	Remove existing pipe culverts of any diameter either for re-use or to be discarded as directed by the Engineer	m	200		
8.14	Provide,lay and joint ducts and sleeves including150mm concrete (C15/20) (insert size in mm) heavy duty PVC class B with 150mm surround (precast to BS 5911 Parts 1 & 3) ducts/sleeves	m	750		
Bill No. 8 Total Carried Forward to Grand Summary					
BILL NO. 9: PASSAGE OF TRAFFIC					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	NOTE: Notwithstanding the provision of Section 9 of the Standard				

	Specification, no extra payments shall be due as all costs shall be deemed to be included in the rates inserted herein				
9.01	Construct and maintain diversions in maximum lengths of 5km sections as directed by the Engineer, including 150mm wearing course gravel all signage, lighting and barriers	Km	20		
9.02	Provide, spread, water and compact gravel as directed by the Engineer for maintenance works.	m3	11,000		
9.03	Allow for the passage of traffic through and around the works	LS	1		
9.04	Grade, water and compact existing road ahead of works	Km	20		
Bill No. 9 Total Carried Forward to Grand Summary					
BILL NO. 12 : NATURAL MATERIAL FOR SUBBASE AND BASE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No overhaul will be paid for separately under these items as it shall be deemed to have been included in the Contractor's rates				
12.01	Provide gravel sub-base material, haul, spread, compact to at least 100% M.D.D (AASHTO T-180) and shape to level and tolerance.	m3	30,000		
12.02	Ditto item 12.01 but for base	m3	0		
Bill No. 12 Total Carried Forward to Grand Summary					
BILL NO. 14 : CEMENT OR LIME TREATED SUBBASE AND BASE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note: No overhaul will be paid for separately under these items as it shall be deemed to have been included in the Contractor's rates				
14.01	Provide and spread Lime as an improvement agent for subbase and base layer	Tonne	300		

14.02	Provide and spread Cement as an improvement agent for base and sub base	Tonne	1,700		
14.03	Mix and process natural material with improvement agent for pavement layers as instructed by the Engineer or as specified	m3	30,000		
14.04	Curing of cement / lime treated base and sub-base layers	m2	202,000		
Bill No. 14 Total Carried Forward to Grand Summary					
<b>BILL NO. 15: BITUMINOUS SURFACE TREATMENT &amp; SURFACE DRESSING TO SHOULDERS</b>					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
15.01	Prepare surface of carriageway and shoulders, provide, heat and spray MC 30 cutback bitumen prime coat at 0.8-1.2 Litres/m2.	Litres	230,000		
15.02	Provide & spray K1-60 as tack coat on carriageway, shoulders and on rumble strips at a rate of 0.5-0.8 l/m2	Litres	376,200		
15.03	Prepare surface of road base and shoulders, Provide, transport, lay and roll 10/14 mm Class 2 pre-coated with MC 30, chippings at a rate of 90-110m2/m3 as seal layer	M <sup>3</sup>	5		
15.04	Prepare surface of road base and shoulders, Provide, transport, lay and roll 6/10 mm Class 2 pre-coated with MC 30, chippings at a rate of 90-110m2/m3	M <sup>3</sup>	5		
15.05	Prepare surface of carriageway and shoulders, provide, heat and spray 60/70 bitumen seal coat as second seal at rate of 0.8-1.0 litres/m2	Litres	5		
Bill No. 15 Total Carried Forward to Grand Summary					
<b>BILL NO. 16: BITUMINOUS MIXES</b>					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
16.06	Provide, place and compact Asphalt Concrete Type I (0/20)/SUPER PAVE to a thickness of (50) mm on shoulders as directed by the Engineer at	m3	9,900		

	Bitumen Content of 5.5 - 7.0% by weight of total mix.				
16.07	Provide and erect Asphalt Concrete Type I bumps and rumble strips as directed by the Engineer at Bitumen Content of 5.5 - 7.0% by weight of total mix.	m3	50		
16.09	Provide, lay and compact to a thickness of (80) mm DBM Base Course SUPER PAVE on main carriageway, bus bays, & shoulders; all in accordance with the specifications and as directed by the Engineer.	m3	15,960		
Bill No. 16 Total Carried Forward to Grand Summary					
BILL NO. 17. CONCRETE WORKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BRIDGES AND BOX CULVERTS				
	Concrete				
17.01	Provide, place and compact Class 15(20) concrete blinding as instructed by the Engineer	m3	45		
17.02	Provide, place and compact concrete class 25(20) to aprons, wingwalls, abutments, piers, walls and top slabs for bridges and box culverts as shown in drawings.	m3	600		
17.03	Provide, place and compact concrete class 30(20) to aprons, wingwalls, abutments, piers, walls and top slabs for bridges and box culverts as shown in drawings.	m3	10		
	Reinforcement: Provide, cut, bend & fix into position steel reinforcement as shown in the drawings or as instructed by the Engineer				
17.04	High yield reinforcement steel bars to BS 4461 equal to or less than 16mm diameter bar size	Tonne	25		
17.05	High yield bond strength reinforcement steel to BS 4461 greater than 16mm diameter bar size	Tonne	48		
17.06	Supply and install wire mesh grade 460 to BS 4461 size B1131	Tonne	2		

	(10.9Kg/m <sup>2</sup> )to top and bottom of approach slabs				
	Formwork : Provide,erect and afterwards dismantle and remove all the formwork as instructed by the Engineer				
17.16	Provide & fix in place vertical formwork to achieve class F1 finish	m <sup>2</sup>	1,000		
17.17	Provide & fix in place vertical formwork to achieve class F3 finish	m <sup>2</sup>	800		
Bill No. 17 Total Carried Forward to Grand Summary					
BILL NO. 20: ROAD FURNITURE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
20.01	Provide Road Reserve Boundary posts	No.	400		
20.02	Excavate for, provide & place 250 x 125mm precast concrete raised or ramped kerbs haunched in 100mm thick class 15/20 concrete base bedding and mortar joined in support to carriageway, busbays and junctions as directed by the Engineer.				
	a) Straight kerbs	m	1,000		
	b) Kerbs radius 12m - 6m	m	1,000		
	c) Ditto but radius 5m - 1m	m	1,000		
20.03	As 20.02 but for flush kerbs 100 x 125mm	m	1,000		
20.04	Provide and erect permanent road signs where instructed by the Resident Engineer and in accordance with Special Specifications Clause 2004 as follows:				
	a) warning signs	No.	20		
	b) Priority prohibitory and mandatory signs	No.	10		
	c) Standard informatory signs	No.	10		
	d) Non standard informatory signs area				
	i) Less than 1.0m <sup>2</sup>	No.	5		
	ii) More than 1.0m <sup>2</sup> but less than 5m <sup>2</sup>	No.	5		
20.05	Provide, deliver, paint and mark the road as specified or as directed by the	m <sup>2</sup>	5,000		

	Engineer, with white reflectionized thermoplastic paint from an approved supplier.				
					-
20.06	As item 20.05 but for yellow reflectionized thermoplastic paint	m2	3,000		
20.07	Provide and erect concrete posts for guardrails complete with spacers (size and interval) as per specifications or as directed by the Engineer	No.	50		
20.08	Provide and erect flex-beam guardrails complete with connections as shown on the drawings or as directed by the Engineer	m	50		
20.09	Provide Edge marker posts	No.	500		
20.10	Provide kilometer marker posts as directed by the Engineer	No.	40		
Bill No. 20 Total Carried Forward to Grand Summary					
<b>BILL NO. 21: MISCELLANEOUS BRIDGE WORKS</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
21.01	Provide 75 mm diameter weep holes and insert heavy duty PVC 100mm diameter as instructed by the Engineer	No	150		
21.02	Provide and fix hand rails 75 mm diameter on crash barriers, with hold down brackets at not more than 2.5 meters intervals	m	150		
21.03	Providing and placing bitumen emulsion or cutback bitumen or bitumen/rubber latex emulsion to all structural concrete in contact with fill material or cut soil.	m2	750		
21.04	Provide and place into position handrails to kerbs of bridge deck & ramps as shown on the drawing and as directed by the Engineer.	m	600		
21.05	Provide and place into position galvanised flexi-beam guardrails including end pieces,nuts and bolts along the approaches to the bridges as per drawings and as instructed by the Engineer	m	600		

21.06	Provide and place a 0.5m wide drainage layer of class 14/20 mm to structural concrete in contact with fill material.	m3	540		
21.07	Provide and place as directed by the Engineer PVC pipes of diameter 75 mm and length 300 mm to form storm drain pipes of the bridge deck	No.	25		
21.08	Provide and place as directed by the Engineer PVC pipes of diameter 75 mm and length 300 mm to form storm drain pipes of the bridge deck	No.	25		
Bill No. 21 Total Carried Forward to Grand Summary					
BILL NO. 22: SCHEDULE OF DAYWORKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PLANT				
	The rates inserted herein are to include all operational and Maintenance costs, fuel, oil, grease, drivers/operators wages, supervision, overheads and profit. Only time actually employed upon the work will be paid for and the rates should include for idle time, travelling time and overtime, In accordance with clause 2202 (a) of the specifications. Note: All items of plant must be priced.				
22.01	Crawler dozers with hydraulic attachmentsto include ripper				
	a) Up to 135 kw rated flywheel power	hrs	2		
	b) Over 136 kw rated flywheel power	hrs	2		
22.02	Motor Grader				
	a) Up to 110kw rated flywheel power	hrs	2		
	b) Over 100kw rated flywheel power	hrs	2		
22.03	Vibratory Roller				
	a) 6.5 - 8.81 tonne un-ballasted weight	hr	2		
	b) Over 8.91 tonne un-ballasted weight	hr	2		

22.04	Hand propelled vibrating roller 650 - 1300kg	hrs	2		
22.05	Cat 950G wheel loader or equivalent	hrs	2		
22.06	10 Tonne tipper lorry	hrs	2		
22.07	Small dumpers, 750-1000kg rated payload	hrs	2		
22.08	Dual purpose hydraulic excavator with backhoe/loader and a rated bucket capacity of upto 1m3.	hrs	2		
22.09	Articulated wheel loader with 1.5-2.0m3 SAE rated bucket capacity	hrs	2		
22.10	50mm delivery water pump and motor	hrs	2		
22.11	Self propelled water tanker 4,500ls min. capacity with pick-up pump	hrs	2		
22.12	Concrete Mixer of 100 - 150litres	hrs	2		
22.13	Concrete poker vibrator	hrs	2		
	LABOUR				
	The rates inserted herein are to include all costs of labour such as insurance, accomodation, travelling time, over-time, use and maintenance of small tools of trade. Only the actual time engaged upon the work will be paid for. supervision, overheads and Profit.				
22.14	Unskilled Labour	hrs	3		
22.15	Artisans	hrs	3		
22.16	Office attendants and chainmen	hrs	3		
22.17	Watchmen (all round surveillance)	hrs	3		
	MATERIALS				
	All materials are to comply with the Specification. The rates inserted herein are to include for delivery to the site, storage, handling, overheads and profit				
22.18	Ordinary Portland Cement	Ton	1		
22.19	Hydrated Lime	Ton	1		
22.20	Mild Steel( any diametre)	Ton	1		

22.21	High Yield Steel ( any diametre)	Ton	1		
22.22	Fine Aggregate for Concrete	m3	1		
22.23	Coarse Aggregate for Concrete	m3	1		
22.24	Wrot Shuttering Timber	m2	1		
22.25	Rough shuttering timber.	m2	1		
22.26	Bitumen Emulsion KI-60.	Litre	1		
22.27	Straight run bitumen Grade 80/100.	Litre	1		
22.28	Kerosene	Litre	1		
22.29	14/20 mm nominal size surface chips.	m3	1		
22.30	6/10mm nominal size surface chips	m3	1		
22.31	AC Type II Ex-plant	m3	1		
Bill No. 22 Total Carried Forward to Grand Summary					
BILL NO. 25: ENVIRONMENTAL MITIGATION MEASURES & HIV AIDS CAMPAIGN					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
25.01	All for a prime cost sum for of KShs 5,000,000 (Three Million) for ESIA study and report, Compliance Audits and environmental monitoring.	PC sum	1	5,000,000.00	
25.02	E.O for Item 25.01 for Contractor's Oveheads and Profit	Item	%		
25.03	Allow for engagement of a HIV/AIDS specialist sub contractor to deal with prevention, awareness activities as per programme to be approved by the Engineer	Months	18		
25.04	Allow for the availability of male and female condoms to workers and staff strategically and socially presented for the duration of the contract	No.	200		
25.05	Allow for preparation and submmision of monthly reports on HIV/AIDS awareness and prevention activities. Report to be tabled at site meetings.	Months	18		
25.06	Provide, Instal and maintain HIV/AIDS awareness bill boards with approved message and graphics with maximum area 4m2 fabricated as per	No.	5		

	specifications of permanent informatory sign boards				
25.07	Allow for video shows on HIV/AIDS related awareness and prevention matters every 3 months	Quartely	4		
25.08	Allow for production and distribution of HIV/AIDS awareness material as follows:				
	a) T-Shirt printed with approved message and graphics	No.	200		
	b) Ditto (a) above but caps	No.	200		
	c) A1 size weather proved posters	No.	200		
	d) A3 size weather proved posters	No.	200		
	e) 200x150mm stickers with HIV/AIDS awareness/prevention slogan	No.	200		
	f) Key rings with HIV/AIDS awareness/prevention slogan	No.	200		
	g) Ball point pens with HIV/AIDS awareness / prevention slogan.	No.	200		
Bill No. 25 Total Carried Forward to Grand Summary					
BILL NO. 26; LAND ACQUISITION, AXLE LOAD CONTROL, AND RELOCATION OF SERVICES					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
26.01	Allow a Prime Cost sum of Kshs 3,000,000 ( Three Million shillings ) for relocation of services in accordance with Specifications	PC sum	1	3,000,000.00	
26.02	E.O for Item 26.01 for Contractor's Oveheads and Profit	Item	%		
26.03	Allow a Prime Cost sum of KShs 3,000,000 (Three Million shillings) to carry out Corporate Social Responsibility (CSR) projects on selected learning and health institutions within the project area.	PC sum	1	3,000,000.00	
26.04	E.O for Item 26.03 for Contractor's Oveheads and Profit	Item	%		
Bill No. 26 Total Carried Forward to Grand Summary					

