



KENYA URBAN ROADS AUTHORITY

Efficient and safe urban roads

Barabara Plaza, Muzao Road - Off South Airport Road, JKIA

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Ref. No. KURA/EO/SCM/3/Vol.27 (18)

Date: 11th November, 2020

TO ALL BIDDERS

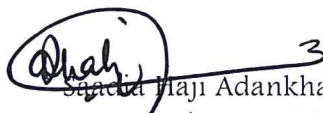
RE: TENDER NO KURA/RMLF/HQ/226/2020-2021,

RE: ADDENDUM 1 – REHABILITATION OF KING'ARA ROAD

We have noted duplication errors in the Bill of quantities of the above tender.

You're hereby advice to replace the entire Bill of quantities with the revised Bill items as attached.

Please note that the tender Opening Date/Closing remain the same as per the Tender Notice.


Saad Maji Adankhalif
Deputy Director, SCM
FOR: DIRECTOR GENERAL

Issued by the Kenya Urban Roads Authority - August 2020

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
BILL NO. 1. PRELIMINARIES AND GENERAL ITEMS					
1.01	Allow a Provisional Sum of Kshs.100,000 for Material testing services	PC Sum	1	100,000.00	
	and other Laboratory Services				
1.02	Inclusive Percentage of P.C Sum in item 1.02 for Contractors overheads and profit	%			
1.03	Allow Kshs 1000,000 for the attendance of the Engineer to the staff in accordance with the clause 137 of the specifications	PC SUM	1	1,000,000	
1.04	Inclusive Percentage of P.C Sum in item 1.03 for Contractors overheads and profit				
1.05	Provide, fuel and maintain with driver 2WD saloon vehicle of engine capacity of not less than 2500cc for exclusive use of Engineer for the first 4000km/month of odometer reading of not more than 60,000km	Veh Month	9	200,000	



Tender Document for Road Works for Rehabilitation of King'ara Road

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
1.06	EO Item 1.05 for kilometers travelled in any month in excess of 4,000km for all running costs.	km	1,000	200	
1.05	Inclusive Percentage of P.C Sum in item 1.04 for Contractors overheads and profit	%			
	Bill No. 1 Total Carried Forward to Grand Summary				

BILL NO. 4 : SITE CLEARANCE AND TOP SOIL STRIPPING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	-				
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.	Sm	8,700		
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	m ³	400		

Tender Document for Road Works for Rehabilitation of King'ara Road

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
5.03	Provide and fill in soft material using approved materials Compact the top 150mm layer of existing ground below fills and cut to 95% MDD(AASHTO T99)	m ³	2,700		
5.04	Compact the top 150 mm layer of the existing ground below fills and cuts to 95% MDD (AASHTO T99)	m ³	2,700		
5.05	Top soiling to a depth of 75 mm thick	Sm	1,800		
5.06	Grassing using local variety	Sm	1,800		
Bill No. 5 Total Carried Forward to Grand Summary					

BILL NO. 8. CULVERTS AND DRAINAGE WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<i>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</i>				
8.01	Excavate/Desilt, grade to shape inlets outfalls, side drains to free flow conditions including cart to spoil any excess grass debris and soil as and where directed by the Engineer	m ³	20		



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Tender Document for Road Works for Rehabilitation of King'ara Road

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
8.02	Clean drains to free flow conditions	m	2,000		
8.03	Clean culverts of all sizes to free flow conditions	m	64		
8.04	Excavate for culvert inlet and outlet, outfall, mitre and catch water drains in soft materials including removal of all material to spoil, to any depth	m ³	60		
8.05	Excavate in soft material for pipe culverts Headwalls, wing walls, apron, toe wall and drop inlets.	m ³	45		
8.06	Provide, Lay and joint 450mm inner diameter (ID) precast concrete pipes.	m	60		
8.07	Provide, Lay and joint 600mm inner diameter (ID) precast concrete pipes.	m	50		
8.08	As for item 8.04 but 900mm dia concrete pipes (precast to BS 5911 parts 1 & 3)for cross culverts	m	10		
8.09	Provide and place class 15/20 concrete to beds, surround and haunches	m ³	60		
8.10	Provide, place and compact class 25(20) concrete for headwalls, wingwalls, aprons,	m ³	75		
	and toewalls to access and cross pipe culverts including all form work and the				

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Tender Document for Road Works for Rehabilitation of King'ara Road

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
	provision and placing of reinforcement as shown in the drawings				
8.11	Provide and place A142 fabric mesh reinforced for item 8.10	m	150		
8.13	Excavate in any materials provide and joint 300 mm inner diameter half round precast concrete channel with single side precast side slabs of 600 x 225 x 75 mm as lining for storm water drain including bedding and back filling with selected materials as directed by Engineer	m ²	3,500		
8.14	Extra over item 8.13 for precast side slabs of 600 225 x 75 mm	m ²	330		
8.15	Excavate in any material provided and joint shallow invert block drains (IBD) inclusive of bed as directed by Engineer	m	500		
8.16	Provide place and compact class 15/20 concrete to haunches on margin between shoulders and IBDs	m ²	20		
Bill No. 8 Total Carried Forward to Grand Summary					

BILL NO. 5 : PASSAGE OF TRAFFIC

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
9.01	Place warning signs, barriers and cones around working lane on the carriageway and guide the passage of traffic through the works	km	3.0		

BILL NO. 12 : NATURAL MATERIAL FOR SUBBASE AND BASE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<i>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</i>	-	-	-	-
12.01	Prepare surface of existing shoulders, road widening, accesses and bus bays, including benching where necessary, water, process and compact in accordance with the specification and as directed by the Engineer to receive gravel	m ³	400		
12.02	Provide, lay and compact hand packed stone material including filling of voids with stone				
	dust and watering as directed by the Engineer	m ³	3,600		
	Bill No. 12 Total Carried Forward to Grand Summary				



BILL NO. 15: BITUMINOUS SURFACE TREATMENT & SURFACE DRESSING TO SHOULDERS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
15.01	Prepare surface of road base provide, heat and spray MC 30 cutback bitumen prime coat at a rate of 0.8-1.2 Litres/m ²	Litres	9,750		-
15.02	Prepare surface of repair areas, provide and spray KI-60 bitumen emulsion as tack coat or sealto repair areas at a spray rate of 0.8 - 1.0l/m2 as directed by the Engineer	Litres	9,750		
Bill No. 15 Total Carried Forward to Grand Summary					

BILL NO. 16: BITUMINOUS MATERIALS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<i>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</i>				
16.01	Provide, place and compact asphaltic concrete Type 1 for pothole patching to carriageway as directed by the Engineer. The rate to include the application of K1-60 at a rate of 0.8-1.0 l/m2	m ³	250		
Bill No. 16 Total Carried Forward to Grand Summary					



BILL NO. 20: ROAD FURNITURE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
20.01	Provide thermoplastic material for road marking and mark lines on the road as directed by the Engineer	M ²	1,155		
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	3,000		
	b) Kerbs radius 12m - 6m	m	30		
	c) Ditto but radius 5m - 1m	m	30		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
20.03	As 20.01 but for flush kerbs 100 x 125mm				
	a) Straight kerbs	m	4,000		
	b) Kerbs radius 12m - 6m	m	50		
	c) Ditto but radius 5m - 1m	m	50		
20.04	Place and provide gauge 16 steel pipe Bollards of diameter 150mm and 1.05 m above the ground, embedded to a depth of 0.45m at place and as directed by the Engineer	No.	50		



BILL NO. 20: ROAD FURNITURE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
20.05	Provide and erect permanent road signs where instructed by the Engineer and in accordance with Special				
	Specifications Clause 2004 as follows:				
	a) warning signs	No.	10		
	b) Priority prohibitory and mandatory signs	No.	5		
	c) Standard informatory signs	No.	5		
	d) Non standard informator signs area				
	i) Less than 1.0m ²	No.	5		
Bill No. 20 Total Carried Forward to Grand Summary					

BILL NO. 23: CONCRETE PAVING BLOCKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23.01	Supply, lay and compact 80mm thick precast concrete paving blocks with 49 N/mm ² cube crushing strength conforming to B 6717 Part 1 of 1986 or Kenya Bureau of Standard equivalent including 50mm thick sand/quarry dust bed for walkways	sm	4,500		
23.01	Supply lay compact 60mm thick precast concrete paving blocks with 20 N/mm ² cube crushing strength conforming to B 6717 Part 1 of 1986 or Kenya Bureau of Standard equivalent including 50mm thick sand/quarry dust bed for walkways	sm	100		
Bill No. 23 Total Carried Forward to Grand Summary					-

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	SUMMARY OF BILL OF QUANTITIES	CONTRACT AMOUNT
BILL: 1	GENERAL	~
BILL: 4	SITE CLEARANCE AND TOPSOIL STRIPPING	~
BILL: 5	EARTHWORKS	~
BILL: 8	CULVERT AND DRAINAGE WORKS	~
BILL: 9	PASSAGE OF TRAFFIC	~
BILL: 12	NATURAL MATERIAL SUB-BASE AND BASE	~
BILL:15	BITUMINOUS SURFACE TREATMENT & SURFACE DRESSING TO SHOULDERS	~
BILL:16	BITUMINOUS MATERIAL	~
BILL :20	ROAD FURNITURE	~
BILL :23	CONCRETE PAVING BLOCKS	~
	sub-total	~
	Add 14% VAT of sub-total 2 for value added tax	~
	Grand Total Carried Forward to Form of Bid	~

