TO ALL BIDDERS.

ADDENDUM No. 1: TENDER CLARIFICATION FOR ROAD REHABILITATION WORKS FOR TENDER No. KWS/OT/RMLF/50/ 2020-2021, KWS/OT/RMLF/51/ 2020-2021 AND KWS/OT/RMLF/52/ 2020-2021

Following the Pre-bid conference held on 21st May 2021, and pursuant to Section 75 of the PPAD Act (2015) including Clause 7 of the tender documents, Kenya Wildlife Service wishes to make the following clarifications/Amendments: -

TENDER NO.	S/NO.	OBSERVATION (S)	AMENDMENT (S) / CLARIFICATION(S)
	1	Pg. 20 table 3.1 -Notes on the Appendix to Instruction to Tenderers- Clause 2.1 (x)	delete the words "tender opening" appearing on the third line and replace with " pre-bid conference."
	2	Pg. 20 table 3.1 -Notes on the Appendix to Instruction to Tenderers- Clause 2.1 (xiii)	Insert the words " or tape" after the word "book"
KWS/OT/RMLF/50/2020-	3	Pg. 23 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 17.1 8- A5	delete the figure "6" and replace it with "4"
2021	4	Pg. 29-table 3.3 - Technical Score Sheet	Delete the entire table 3.3 and replace it with the table appearing on Pg. 5 of this Addendum.
	5	Table 3.4- Prequalification Checklist for Completeness and Responsiveness-NCA practising License	Insert "4" in between the words "category" and "3".
	6	Pg. 31 table 3.4 -Notes on the Appendix to Instruction to Tenderers- Item No. 24	Insert the words " or tape" after the word "book"
	7	Bill of Quantities (BoQs) appearing on Pg. 164 to Pg 173	Delete these (BoQs and replace them with the ones appearing on Pg 8 to Pg. 17 of this Addendum.

TENDER NO.	S/NO.	OBSERVATION (S)	AMENDMENT (S) / CLARIFICATION(S)
	1	Pg. 20 table 3.1 -Notes on the Appendix to Instruction to Tenderers- Clause 2.1 (x)	delete the words "tender opening" appearing on the third line and replace with " pre-bid conference"
	2	Pg. 20 table 3.1 -Notes on the Appendix to Instruction to Tenderers- Clause 2.1 (xiii)	Insert the words " or tape" after the word "book"
WWG/OT/DM E/51/2020 2021	3	Pg. 23 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 17.1 8- A5	delete the figure "6" and replace it with "4"
KWS/OT/RMLF/51/2020-2021	4	Pg. 29-table 3.3 - Technical Score Sheet	Delete the entire table 3.3 and replace it with the table appearing on Pg. 6 of this addendum.
	5	Table 3.4- Prequalification Checklist for Completeness and Responsiveness-NCA practising License	Insert "4" in-between the words "category" and "3".
	6	Pg. 31 table 3.4 -Notes on the Appendix to Instruction to Tenderers- item No. 24	Insert the words " or tape" after the word "book"
	7	Bill of Quantities (BoQs) appearing on Pg. 164 to Pg. 173	Delete these BoQs and replace them with the ones appearing on Pg 18 to Pg. 27 of this Addendum.
	1	Front Page- Tender Number.	The correct tender Number is KWS/OT/RMLF/52/2020-2021
	2	Pg. 20 table 3.1 -Notes on the Appendix to Instruction to Tenderers- Clause 2.1 (x)	delete the words "tender opening" appearing on the third line and replace with " pre-bid conference"
KWS/OT/RMLF/52/2020-2021	3	Pg. 23 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 17.1 8- A5	delete the figure "6" and replace it with "4"
	4	Pg. 24 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 23.5 (a) i and ii	(i) the <i>Second line</i> , delete the word ".three" and the figure "3") and replace with "two (2)". Also on the fifth line, delete the word and figure "50Million (Kenya Shillings Fifty Million Only). " and

TENDER NO.	S/NO.	OBSERVATION (S)	AMENDMENT (S) / CLARIFICATION(S)
TEA (BERTIO)	<i>Shifto</i>	ODSDAVIIION (S)	replace it with "20 Million (Kenya Shillings Twenty Million Only)". In addition, on (ii) delete "100 Million" and replace it with "50 Million"
	5	Pg. 24 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 23.5 Qualifications of Key personnel -(ii) Surveyor	delete the word " Five" appearing after the word "minimum"
	6	Pg. 24 table 3.1 -Notes on the Appendix to Instruction to Tenderers-Tender Format-Clause 23.5 Qualifications of Key personnel -(i) Site Agent	delete the last sentence reading "In addition, the site Agent must have undergone training in low volume seal technology provided by Kenya Institute of Highway and Building Technology (KIHBT) or equivalent Government Institution. "
	7	Pg. 27 table 3.2 - Contractor's Capability to Supervise and Perform the Works Item No. 3	Amend the as follows; On the second and third line by deleting the words " three(3)" and replacing with "two (2). ". In addition, on the sixth line; delete "three" and replace it with " two (2)" On the Seventh line delete " 50 Million" and replace it with ."20 Million." The required average construction turn over 50million and not 100million as indicated in the document.
	8	Pg. 24-Qualifications of Site Agent	The minimum qualifications of the Site Agent are ordinary Diploma in Civil Engineering with Seven (7) years' experience in road works.
	9	Pg. 29-table 3.3 - Technical Score Sheet	Delete the entire table 3.3 and replace it with the table appearing on Pg. 7 of this addendum.
	10	Table 3.4- Prequalification Checklist for Completeness and	Insert "5, 4" in between the words "category" and "3".

TENDER NO.	S/NO.	OBSERVATION (S)	AMENDMENT (S) / CLARIFICATION(S)
		Responsiveness-NCA practicing License	
	11	Pg. 31 table 3.4 -Notes on the Appendix to Instruction to Tenderers- item No. 24	Insert the words " or tape" after the word "book"

Note:

- This Addendum shall be construed to form part of the tender document
- The closing date for all tenders is hereby extended to **Wednesday 2nd June 2021.** The venue and time of closing remain as earlier advertised.
- All other conditions of the tender remain the same.

HEAD SUPPLY CHAIN MANAGEMENT

quire (A)	ed Refer	References to be submitted in Tendering Forms from Tender for evaluation as indicated							ated score ich Bidder
em			Sub-Ite	ems	No Reqd	Distribut ed Score	Maxi Score	X	Y
			crete Mixers and Vi		1	1			
			s payload 16 – 20 to		6	6			
		Water tanke Wheeled loa	rs (18,000 – 20,000)	lts. capacity)	3	3			
			ers (93 - 205kW)		4	8			
	Equip	υ	zer (D6 and above)	or Excavator	2	2			
	ment holdin	Bitumen Dis	. ,	of Excavator	1	2	30		
	g		ed single Flat drum	vibrating (10 tons)	2	1			
	Ü	Pulverizer		,	1	2			
		Self-propelle	ed single Sheep foot	drum vibrating (10 tons)	1	1			
		Chip spread			1	1			
		Pneumatic F			1	1			
				Minimum Qualification Bachelor's Degree Civil Eng.	e in	2			
Contractor's Capability to Execute Works		Site Agent		Certificate of training in Low volume seal technology		1			
				Exp. 7Yrs and above		1.5			
				Signed CV		0.5			
	Key			Minimum Dip in Civil Eng.		1			
		Concrete Fo	reman	Exp.5Yrs and above		1			
				Signed CV		0.5	15		
	staff			Minimum Dip in Civil Eng.		1	13		
		Earthworks	Foreman	Exp.5Yrs and above		1			
				Signed CV		0.5			
Capa				Minimum Dip in Civil Eng.		1			
		Bitumen For	reman	Exp.5Yrs and above		1			
				Signed CV		0.5			
		C		Minimum Dip. Cert in Survey and above Exp.5Yrs and above		1			
′		Surveyor		Signed CV		0.5			
	Past releva	•	Certificate for at similar Works @	> 3no. Projects	-				
	nt work	Average and Turnover Million.	nual Construction of KES.100	Over the last 3 years		6	16		
ľ	History	of litigation an	d non-performance.		1	1			
ſ			Certified	2017-2020 FY (3 Years)		5			
			audited	2018-2020 FY (2 Years)		2			
			accounts for the last Three 3yrs	2019-2020 FY (1Year)		1			
	Financia	l capability	-	Financial ratios		5	18		
		Current Financial Soundness ratios,		Proof of bidders access to financial resources e.g. Authenticated Bank Statement current within the last 6 months or current Line of credit within the last one month-(20% of tender sum)		8			
	Mobiliza	ntion		chat and material mobilization		0.5			
		nent plan	Equipment mana			1	2		
		£	Personnel mobili			0.5			
			Methodology star			5			
me)		and quantity	Proposals on mat			2	10		
ram	managei	nent	Proposals on mea			2		ļ	
Programme)			Photographic Pla			1		<u> </u>	
щ	Work sc	heduling	Work Programme Cash flow plan	z Charts		1	2		-
ŀ	Work sa	faty	ļ	nd accident prevention		1			
		-		na accident prevention		1	2		1
	management Workers safety								ļ
ŀ	Environ	nental and soc	cial management			4	4		

I (A)		d References to be submitted in Tendering Forms from Tender for evaluation as indicated in						Evaluated score for Each Bidder		
em			Sub-Ite	ems	No Reqd	Distribut ed Score	Maxi Score	X	Y	
			crete Mixers and Vi		1	1				
			s payload 16 – 20 to		6	6				
			rs (18,000 – 20,000	lts. capacity)	3	3				
		Wheeled loa	` ,		2	2				
	Equip		ers (93 - 205kW) zer (D6 and above)	or Evapuator	2	8 2				
	ment holdin g	Bitumen Dis		or Excavator	1	2	30			
			ed single Flat drum	vibrating (10 tons)	2	1				
	g	Pulverizer	ed single That druin	vibrating (10 tons)	1	2				
			ad single Sheen foot	t drum vibrating (10 tons)	1	1				
		Chip spread		dum viorating (10 tons)	1	1				
		Pneumatic F			1	1				
		Theumatic P	Konci	Minimum Qualification Bachelor's Degra		2				
orks		Site Agent		Certificate of training in Low volume sea technology	1	1				
	1			Exp. 7Yrs and above		1.5		}	1	
				Signed CV		0.5		}		
	1			Minimum Dip in Civil Eng.		1				
×	1	Concrete Fo	reman	Exp.5Yrs and above		1		 		
Contractor's Capability to Execute Works	17	Concrete 10	Teman	Signed CV		0.5				
	Key staff			Minimum Dip in Civil Eng.		1	15			
	starr	Earthworks	Foreman	Exp.5Yrs and above		1				
		Lattiworks	1 oreman	Signed CV		0.5	1			
				Minimum Dip in Civil Eng.		1				
		Bitumen For	reman	Exp.5Yrs and above		1				
Sio		Ditumen 1 of	Cinan	Signed CV		0.5				
ract				Minimum Dip. Cert in Survey and above		1				
llio I		Surveyor		Exp.5Yrs and above		1				
,		Bui veyor		Signed CV		0.5				
	Past releva	-	Certificate for at similar Works @	> 3no. Projects						
	nt work	Average and Turnover Million.	nual Construction of KES.100	Over the last 3 years	6					
	History	of litigation an	d non-performance.			1	1			
			Certified	2017-2020 FY (3 Years)		5				
	1		audited	2018-2020 FY (2 Years)		2				
	Financia	1 1:114	accounts for the last Three 3yrs	2019-2020 FY (1Year)		1	10			
	Tillancia	l capability	Current	Financial ratios		5	18			
		Current Financial Soundness ratios,		Proof of bidders access to financial resou Authenticated Bank Statement current the last 6 months or current Line of crec within the last one month-(20% of tender	within lit	8				
	Mobiliza	ation	Site Organization	chat and material mobilization		0.5				
		nent plan	Equipment mana			1	2			
	agei	p.u.ii	Personnel mobili			0.5				
			Methodology star	tement		5				
Je)	Quality :	and quantity	Proposals on mat	erial testing		2	10			
Programme)	manager	nent	Proposals on mea	asurements		2	10			
ogra	<u> </u>		Photographic Pla			1				
Τ̈́	Work so	heduling	Work Programm	e charts		1	2			
	WOLK SC	incutility	Cash flow plan			1	-			
	Work sa	fety	Traffic control, a	nd accident prevention		1	2			
	manager		Workers safety			1				
	Environmental and social management					4	4	I		

TABLE 3.3: TECHNICAL SCORE SHEET TECHNICAL EVALUATION OF TENDER NO...**KWS/OT/RMLF/52/2020-2021.**IN TSAVO EAST NATIONAL PARK.

<u>.)</u>				dering Forms from Tender for evaluati				for E	Each Bio	d
tem			Sub-l	Items N	No Reqd	Distribute d Score	Maxi Score	X	Y	
	1	Mobile Conc	crete Mixers and V	ibrator	2				_	
		6 X 4 tippers	s payload 16 – 20 t	ones	4	8				
	Equip	Water tanker	rs (18,000 – 20,000	Olts. capacity)	2	4				
	ment	. ,		2	30					
	holding		rs (93 - 205kW) 2		8					
			er (D6 and above			4				
		Self-propelle	ed single Flat drun	vibrating (10 tons)	1	2				
				Minimum Qualification Diploma in Civil Eng	g.	1				
		Site Agent		Exp. 7Yrs and above		5				
				Signed CV		1				
S S	Key			Minimum Dip in Civil Eng.		1				
Vor	staff	Foreman		Exp.5Yrs and above		3	15			
te V	Starr			Signed CV		1				
ecn				Minimum Dip. Cert in Survey and above		1				
Ä		Surveyor		Exp.5Yrs and above		1				
y to				Signed CV		1				
; Capabilit	Past relevan	_	Certificate for at milar Works @ lion	> 2no. Projects		10	16			
Contractor's Capability to Execute Works	t work Average annual Construction Turnover of KES.50 Million. Over the last 3 years		6	16						
0	History o	History of litigation and non-performance.				1	1			
			Certified	2017-2020 FY (3 Years)		5				
			audited	2018-2020 FY (2 Years)		2				
	Figure 1:1	accounts for the last Three 3yrs		2019-2020 FY (1Year)		1	10			
	Financiai	capability	Current	Financial ratios		5	18			
			Current Financial Soundness ratios,	Proof of bidders access to financial resources Authenticated Bank Statement current with last 6 months or current Line of credit withi one month-(20% of tender sum)	nin the	8				_
je	1		Site Organization	on chat and material mobilization		1				_
uuu	Mobilizat	tion	Site Organization			1				-
)gr.	managem		Equipment man			1	4			_
F.			Personnel mobi	<u> </u>		1				_
tion	-									_
ecn			Methodology st			5				_
Ε̈́Χ	Quality a	nd quantity	Proposals on ma	nterial testing		2	10			
ork	managem	ent	Proposals on me	easurements		2				
€			Photographic Pl	an		1				
osai	Work oak	aduling	Work Programm	ne charts		1	2			
rop	Work sch	couning	Cash flow plan			1	2			
al P	Work safe	ety	Traffic control,	and accident prevention		1	_			
Technical Proposal (Work Execution Programme)	managem	-	Workers safety	-		1	2			-
[ect			al management			2	2			-
_						Total	-	+	-	_

BILL OF QUANTITIES FOR TENDER No. KWS/OT/RMLF/50/2020-2021

	TENDER NO KWS/C)T/RML	.F/50/2020-2	2021	
	na Gate -Ngong Veg Farm Gate (Road	d C103)	/ Kimana	Gate -Ambos	seli Park Head
Quar	ters				
Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
1.01	Allow a Prime Cost Sum for the RE's miscellaneous account to be spent in whole or part as directed by the RE against receipts.	PC Sum	1	300,000.00	300,000.00
1.02	E.O. item 1.01 for Contractor's overheads and profits.	%	300,000.0		
1.03	Provide, erect and maintain publicity signs as directed by the Engineer.	No	2		
1.04	Allow a Prime Cost Sum for material testing.	No	1	300,000.00	300,000.00
1.05	E.O. item 1.04 for Contractor's overheads and profits.	%	300,000.0		
1.06	Allow a Prime Cost Sum for security as directed by the RE against receipts.	PC Sum	1	500,000.00	500,000.00
1.07	E.O. item 1.06 for Contractor's overheads and profits.	%	500,000.0		
1.08	Allow a Prime Cost Sum for Environmental Mitigation measures.	PC Sum	1	500,000.00	500,000.00
1.09	E.O. item 1.08 for Contractor's overheads and profits.	%	500,000.0		
1.10	Allow a Prime Cost Sum for HIV /COVID-19 measures.	PC Sum	1	150,000.00	150,000.00
1.11	E.O. item 1.10 for Contractor's overheads and profits.	%	150,000.0		
1.12	Provide fuel and maintain with driver, a serviceable 4WD double cabin for exclusive use by the Engineer inclusive of the first 4,000km per vehicle month in accordance with clause 138 of special specification.	V / Month s	6		
1.13	Allow PC Sum for Purchase of Survey Equipment, accessories & consumables ownership to revert to the employer.	PC	1	200,000.00	200,000.00
1.14	Allow a Prime Cost (P.C) sum for attendance upon Employer's Representative	PC	1	1,155,000.00	1,155,000.00
1.15	E.O. item 1.15 for Contractor's overheads and profits.	%	1,155,000		
	Total Carried Forward Summary Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KE
					S)
4.01	Strip top soil up to a maximum depth of 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	2,400		
	Total Carried Forward Summary Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
	Note: No separate payments shall be made for haulage of materials including spoiling unsuitable excavation materials and the cost of such shall be included in the rates and				
	prices				
5.01	Fill in soft material and compaction to 95% MDD (AASHTO T99) in layers not exceeding 150mm	m^3	13,608		
5.02	Cut to spoil in soft material	m ³	500		
	Total Carried Forward Summary Page				

Quar		T	1 0		
Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
7.01	Excavate to spoil in soft materials.	m ³	2,160.00		
7.02	As item 7.01 but in hard material.	m^3	1,550.00		
7.03	Provide and place gabion boxes and mattresses as specified or as directed by the Engineer.	m ²	1,240.00		
7.04	Provide and place rock fill to gabions mattresses and any other as may be instructed.	m^3	225.45		
	Total Carried Forward Summary Page				
	, and a second of the second o				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
8.01	Provide, lay and joint 600mm dia. concrete pipe culverts complete with surround as per drawings and specifications or as instructed	m	52.00		
8.02	Clean existing culverts of any diameter, including inlets and outlets, to free flowing conditions	m	252.00		
	Total Carried Forward Summary Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
9.01	Construct and maintain, including watering deviations including traffic	KM	5.00		
7.01	management	IXIVI	3.00		
	management				
	Total Carried Forward Summary Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
	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				
	Provide gravel sub-base material,				
	100mm thick (Neat) haul, spread,				
12.01	compact to at least 100% M.D.D	m^3	5,940		
	(AASHTO T-180) and shape to level				
	and tolerance.				
	Provide gravel Base material, haul,				
12.02	spread, compact to at least 100% M.D.D	m^3	8,910		
12.02	(AASHTO T-180) and shape to level	111	0,710		
	and tolerance.				
	T-A-1 Comin I From 1 C				
	Total Carried Forward Summary				
	Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
14.01	Provide, transport to site and spread cement stabilization of base as specified or as directed by the Engineer.	Tonne s	513.22		
14.02	Provide, store, transport and spread lime as an improvement agent for Base or sub base as directed by the engineer	Tonne s	498.96		
14.03	Mix and process natural material with improvement agent for pavement layers as instructed by the Engineer or as specified	m3	8,910.00		
14.04	Curing of cement / lime treated base layers	m2	59,400.00		
	Total Carried Forward Summary				
	Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
15.01	Prepare surface of carriageway Provide heat, cut to suit and spray 80/100 pen bitumen as binder for 1 st and 2 nd seal on carriageway at 0.8-1.2 Liters/m ² .	Litres	130,680.00		
15.02	Provide, transport, lay and roll 6/10mm class 1 pre-coated chippings for single seal to main carriageway and service roads; (application rate 60-90 m ² /m ³)	m3	848.57		
15.03	Provide, spread and roll 14/20 mm precoated chippings as 1 st seal on carriageway, shoulders, junctions and accesses at a spread rate of 75 - 90 m2/m3 or as directed by the Engineer	m^3	742.50		
15.04	Prepare surface of carriageway junctions accesses e.t.c, provide and spray MC 30 cutback bitumen as prime coat at a rate of 1.0-1.2 liters per SM as directed by the Engineer	Litres	65,340.00		
	T-4-1 C 1 C				
	Total Carried Forward Summary Page				

Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)
20.01	Provide and erect standard priority type signs 1000mm size	No.	2.00		
20.02	Provide and erect standard Prohibitory type signs 1000mm size	No.	2.00		
20.03	Provide and erect standard warning type signs 750mm size	No.	10.00		
20.04	Provide standard mandatory signs 600mm diameter	No.	11.00		
20.05	Paint 0.1 m wide yellow centerline on the road using hot applied internally reflectorized thermoplastic material	m^2	1,100.00		
20.06	As item 20.08 but 0.1 m wide white lines on the road edge	m ²	2,200.00		
	Total Carried Forward Summary Page				

BILL OF QUANTITIES FOR TENDER No. KWS/OT/RMLF/51/2020-2021

	TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 –Ngong Veg Farm Gate (Road C103) -11Km						
Item	Description of Work Item	Unit	Quantity	Rate	Amount(KES)		
1.01	Allow a Prime Cost Sum for the RE's miscellaneous account to be spent in whole or part as directed by the RE against receipts.	PC Sum	1	100,000.00	100,000.00		
1.02	E.O. item 1.01 for Contractor's overheads and profits.	%	100,000				
1.03	Provide, erect and maintain publicity signs as directed by the Engineer.	No	2				
1.04	Allow a Prime Cost Sum for material testing.	No	1	200,000.00	200,000.00		
1.05	E.O. item 1.04 for Contractor's overheads and profits.	%	200,000				
1.06	Allow a Prime Cost Sum for security as directed by the RE against receipts.	PC Sum	1	500,000.00	500,000.00		
1.07	E.O. item 1.06 for Contractor's overheads and profits.	%	200,000				
1.08	Allow a Prime Cost Sum for Environmental Mitigation measures.	PC Sum	1	500,000.00	500,000.00		
1.09	E.O. item 1.08 for Contractor's overheads and profits.	%	500,000				
1.10	Allow a Prime Cost Sum for HIV /COVID-19 measures.	PC Sum	1	100,000.00	100,000.00		
1.11	E.O. item 1.10 for Contractor's overheads and profits.	%	100,000				
1.12	Allow PC Sum for Purchase of Survey Equipment, accessories & consumables ownership to revert to the employer.	PC	1	50,000.00	50000.00		
	Total Carried Forward Summary Page						

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km **Description of Work Item** Unit Quantity Amount(KES) Item Rate Strip top soil up to a maximum depth of 0.2m in thickness along alignment or material sites including removal of all 4.01 m^3 800 grass and other vegetation, transport to spoil and spread or stock pile for re-use as directed by the Engineer. **Total Carried Forward Summary Page**

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantit Rate Amount(KES) y **Note:** No separate payments shall be made for haulage of materials including spoiling unsuitable excavation materials and the cost of such shall be included in the rates and prices Fill in soft material and compaction to 5.01 95% MDD (AASHTO T99) in layers not m^3 8,748 exceeding 150mm m^3 5.02 Cut to spoil in soft material 300 **Total Carried Forward Summary Page**

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) m^3 7.01 Excavate to spoil in soft materials. 1,000.00 m^3 7.02 As item 7.01 but in hard material. 700.00 Provide and place gabion boxes and mattresses as specified or as directed m^2 7.03 640.00 by the Engineer. Provide and place rock fill to gabions 7.04 mattresses and any other as may be m^3 116.36 instructed. **Total Carried Forward Summary Page**

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) Provide, lay and joint 600mm dia. concrete pipe culverts complete with 8.01 48.00 m surround as per drawings and specifications or as instructed Clean existing culverts of any diameter, including inlets and outlets, to free 8.02 100.00 m flowing conditions **Total Carried Forward Summary Page**

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km **Description of Work Item** Unit Quantity Item Rate Amount(KES) Construct and maintain, including 9.01 watering deviations including traffic 5.00 KM management **Total Carried Forward Summary Page**

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) *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 Provide gravel sub-base material, 100mm thick (Neat) haul, spread, 12.01 compact to at least 100% M.D.D m^3 5,832 (AASHTO T-180) and shape to level and tolerance. Provide gravel Base material, haul, spread, compact to at least 100% M.D.D 12.02 m^3 8,748 (AASHTO T-180) and shape to level and tolerance. **Total Carried Forward Summary** Page

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 - Ngong Veg Farm Gate (Road C103) - 11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) Provide, transport to site and spread Tonne 14.01 cement stabilization of base as specified 503.88 or as directed by the Engineer. Provide, store, transport and spread lime Tonne 14.02 as an improvement agent for Base or sub 244.94 S base as directed by the engineer Mix and process natural material with improvement agent for pavement layers 14.03 m3 8,748.00 as instructed by the Engineer or as specified Curing of cement / lime treated base 14.04 m2 58,320.00 layers **Total Carried Forward Summary** Page

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) Prepare surface of carriageway Provide heat, cut to suit and spray 80/100 pen 15.01 Litres 139,968.00 bitumen as binder for 1st and 2nd seal on carriageway at 0.8-1.2 Litres/m². Provide, transport, lay and roll 6/10mm class 1 pre-coated chippings for single 15.02 m^3 777.60 seal to main carriageway and service roads; (application rate 60-90 m²/m³) Provide, spread and roll 14/20 mm precoated chippings as 1st seal on 15.03 carriageway, shoulders, junctions and m^3 711.22 accesses at a spread rate of 75 - 90 m²/m³ or as directed by the Engineer Prepare surface of carriageway junctions accesses etc, provide and spray MC 30 15.04 cutback bitumen as prime coat at a rate Litres 59,400.00 of 1.0-1.2 liters per SM as directed by the Engineeer **Total Carried Forward Summary** Page

TENDER NO KWS/OT/RMLF/51/2020-2021 Kimana Junct C102 -Ngong Veg Farm Gate (Road C103) -11Km Item **Description of Work Item** Unit Quantity Rate Amount(KES) Provide and erect standard priority type 20.01 No. 2.00 signs 1000mm size Provide and erect standard Prohibitory 20.02 No. 2.00 type signs 1000mm size Provide and erect standard warning type 20.03 No. 10.00 signs 750mm size Provide standard mandatory signs 20.04 No. 11.00 600mm diameter Paint 0.1 m wide yellow centerline on 20.05 the road using hot applied internally m^2 1080.00 reflectorized thermoplastic material As item 20.08 but 0.1 m wide white 20.06 m^2 2160.00 lines on the road edge **Total Carried Forward Summary** Page