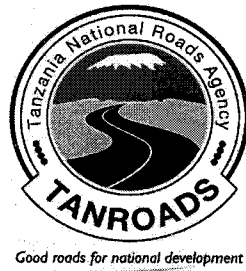


**THE UNITED REPUBLIC OF TANZANIA**  
**MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION**



**MULTINATIONAL: TANZANIA/BURUNDI: RUMONGE – GITAZA (45 KM) AND KABINGO – KASULU - MANYOVU (260.6 KM) ROAD UPGRADING PROJECT**

**UPGRADING OF KABINGO – KASULU- MANYOVU (260.6 KM) ROAD TO BITUMEN STANDARD,  
LOT 1: KASULU JUNCTION – MANYOVU INCLUDING KASULU TOWN LINKS (68.25 KM)**

**TENDER NO. AE/001/2018-19/HQ/W/102**

**Addendum No. 1 to the Bidding Documents**

**Date: 4<sup>th</sup> June 2019**

**Addendum No. 1 to the Bidding Documents** is issued in accordance with Instructions to Bidders, Clause 8 to effect changes to the Bidding Documents.

***Item No. 1***

**VOLUME 1A**  
**Section II: Bid Data Sheet**

**ITB 14.8:**

**Replace**

"Goods and Services to be procured wholly and exclusively for the purpose of execution of the Project may be exempted from taxes and duties in accordance with applicable laws of the United Republic of Tanzania.

Information on the Contractor's tax liabilities in the Client's country can be found from;

**The Commissioner General,  
Tanzania Revenue Authority (TRA),  
TRA Headquarters Building,  
Third Floor,  
28 Edward Sokoine Drive,  
11105 Mchafukoge, Ilala CBD,  
P. O. Box 11491,  
Dar Es Salaam.  
Telephone: +255 22 2119591-4  
Fax: +255 22 212 8593/6908"**

Email: [info@tra.go.tz](mailto:info@tra.go.tz)  
website: [www.tra.go.tz](http://www.tra.go.tz)

**With**

"Goods and Services to be procured wholly and exclusively for the purpose of execution of the Project including Contractor's Equipment and essential spare parts thereof, imported by the Contractor for the sole purpose of executing the contract, may be exempted from taxes and duties in accordance with applicable laws of Tanzania.

Hence, the rates and prices and the total Bid Price submitted by the Bidder should include all duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, except taxes and duties for goods and services procured wholly and exclusively for the purpose of execution of the Project and Contractor's Equipment and essential spare parts thereof, imported by the Contractor for the sole purpose of executing the contract, which have been exempted under the applicable laws of Tanzania, as of the date 28 days prior to the deadline for submission of bids.

Bidders should contact the Tanzania Revenue Authority (TRA) for information on taxes and duties for goods and services, and equipment and spare parts thereof, which have been exempted.

Information on the Contractor's tax liabilities in the Client's country can be found from;

**The Commissioner General,  
Tanzania Revenue Authority (TRA),  
TRA Headquarters Building,  
Third Floor,  
28 Edward Sokoine Drive,  
11105 Mchafukoge, Ilala CBD,  
P. O. Box 11491,  
Dar Es Salaam.  
Telephone: +255 22 2119591-4  
Fax: +255 22 212 8593/6908  
Email: [info@tra.go.tz](mailto:info@tra.go.tz)  
website: [www.tra.go.tz](http://www.tra.go.tz)**

***Item No. 2.***

Section VIII, Particular Conditions  
Part B – Specific Provisions  
Page VIII-11

**Replace:**

The Contrat Price	14.1.1 (e)	Notwithstanding the provisions of subparagraph (b), Goods and Services to be procured wholly and exclusively for the purpose of execution of the Project may be exempted from taxes and duties in accordance with applicable laws of the United Republic of Tanzania.
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**With:**

The Contrat Price	GC Clause 14.1	<i>Replace Sub-Clause 14.1.1 (b) with the following:</i>  <i>The Contractor shall pay all taxes, duties, fees, levies and royalties required to be paid by him under the Contract <u>except</u> taxes and duties for goods and services procured wholly and exclusively for the purpose of execution of the Project and Contractor's Equipment and essential spare parts thereof, imported by the Contractor for the sole purpose of executing the contract, and which have been exempted under the applicable laws of Tanzania, and the Contract</i>
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		<p>Price shall not be adjusted for any of these costs except as stated in GC Clause 13.7 [Adjustments for Changes in Legislation].</p> <p>Sub-Clause 14.1.1 (e) is <b>not applicable</b>.</p>
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**Item No. 3**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ FOR KASULU TOWN LINKS

Page IV-50

BILL 4000: BITUMINOUS LAYERS AND SEALS

SECTION 4200 BITUMINOUS BASE COURSE AND ASPHALT CONCRETE SUFACING

Item 42.02 (ii) (a) "Asphalt concrete Type SP9.4, compacted thickness 30mm for footpath" is amended to read "Asphalt concrete Type SP9.5, compacted thickness 30mm for footpath"

The amendment is reflected in the revised BOQ page attached herewith as Attachment 1 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 4**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ

Page IV-34

BILL 6000B: STRUCTURES (BRIDGES)

SECTION 6600 NO-FINES CONCRETE, JOINTS, BEARINGS, PARAPETS AND DRAINAGE FOR STRUCTURES

Item 66.14B "Provide 75x75x8mm Equal Angle edge protection complete with 12mm mild steel rod anchors @ 1000mm c/c at expansion joints" is amended to read "Provide 75x75x8mm Equal Angle edge protection complete with 10mm mild steel rod anchors @ 600mm c/c at expansion joints"

The amendment is reflected in the revised BOQ page attached herewith as Attachment 2 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 5**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ

Page IV-21

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.08 "(a) Cast in situ concrete lining for concrete side drain (class 20/20) 100mm thick including welded mesh" is amended to read "(a) Cast in-situ concrete lining for concrete side drain (class 20/20) 100mm thick including reinforcements as per Drawing No. NKM-EKE-DD-DR-D-00403"

The amendment is reflected in the revised BOQ page attached herewith as Attachment 3 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 6**

**VOLUME 1A**

**SECTION IV: BIDDING FORMS**

**BOQ FOR KASULU TOWN LINKS**

Page IV-46

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.08 "(a) Cast in situ concrete lining for concrete side drain (class 20/20) 100mm thick including welded mesh" is amended to read "(a) Cast in-situ concrete lining for concrete side drain (class 20/20) 100mm thick including reinforcements as per Drawing No. NKM-EKE-DD-DR-D-00403"

The amendment is reflected in the revised BOQ page attached herewith as Attachment 4 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 7.**

**Section II: Bid Data Sheet**

Pages II-iv to II-v:

**ITB 22.1**

**Replace:**

"Date: 9<sup>th</sup> May 2019

Time: 10:00 hours local time"

**With:**

"Date: 3<sup>rd</sup> July 2019

Time: 10:00 hours local time"

**ITB 25.1**

**Replace:**

"Date: 9<sup>th</sup> May 2019

Time: Immediately after the deadline for bid submission."

**With:**

"Date: 3<sup>rd</sup> July 2019

Time: Immediately after the deadline for bid submission."

**Item No. 8.**

**VOLUME 1A**

**Section IV: Bidding Forms**

Page IV-58

(i) Replace the Form of Tender Security (Bank Guarantee) with the form attached herewith as Attachment 5 of **Addendum No. 1**.

(ii) In the paragraph starting with the words "This guarantee will expire: (a) if the Bidder is .....", Bidders are allowed to insert a specific date under item (ii) to replace the words "twenty-eight days after the expiration of the Bidder's bid", if they wish. However, the date to be inserted must be 148 days from the deadline of submission of tenders.

**Item No. 9**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ

Page IV-20

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.01 "(a) Precast, 180x280 concrete class 20/20 kerb **for drainage control kerbs**" is amended to read:

"(a) Precast, 180x380 concrete class 25/20 kerb **for drainage control kerbs**"

Item 23.01 "(b) Precast, 180x280 concrete class 20/20 kerb **to traffic islands, roundabouts, busbays etc**" is amended to read:

"(b) Precast, 180x380 concrete class 25/20 kerb **to traffic islands, roundabouts, busbays etc**"

In addition, following changes apply to Item 23.05 (a): Replace "(a) Outlet structure for concrete lined side drain" With "(a) Drop inlet structure for concrete lined side drain"

The amendment is reflected in the revised BOQ page attached herewith as Attachment 6 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 10**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ FOR KASULU TOWN LINKS

Page IV-45

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.01 "(a) Precast, 180x280 concrete class 20/20 kerb **for drainage control kerbs**" is amended to read:

"(a) Precast, 180x380 concrete class 25/20 kerb **for drainage control kerbs**"

Item 23.01 "(b) Precast, 180x280 concrete class 20/20 kerb **to traffic islands, roundabouts, busbays etc**" is amended to read:

"(b) Precast, 180x380 concrete class 25/20 kerb **to traffic islands, roundabouts, busbays etc**"

In addition, following changes apply to Item 23.05 (a): replace "(a) Outlet structure for concrete lined side drain" with "(a) Drop inlet structure for concrete lined side drain".

The amendment is reflected in the revised BOQ page attached herewith as Attachment 7 of **Addendum No. 1**. Hence, Bidders should replace the original page with the revised page.

**Item No. 11**

VOLUME 1A

Section III: Evaluation and Qualification Criteria

Pages III-10 to III-13: The requirements on Key Activities is hereby amended for consistency with other lots. Hence replace the pages with those attached as Attachment 8 of **Addendum No. 1**

**Item No. 12**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ

Page IV-21

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.06 "(a) Concrete slabs for crossing side drains (class 20/20) with class U2 surface finish" is amended to read:

"(a) Concrete slabs for crossing side drains (class 25/20) with class U2 surface finish"

The amendment is reflected in the revised BOQ page referred under **Item No. 5** above.

**Item No. 13**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ FOR KASULU TOWN LINKS

Page IV-45

BILL 2000: DRAINAGE

SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS

Item 23.06 " (a) Concrete slabs for crossing side drains (class 20/20) with class U2 surface finish" is amended to read:

"(a) Concrete slabs for crossing side drains (class 25/20) with class U2 surface finish"

The amendment is reflected in the revised BOQ page referred under **Item No. 5** above.

**Item No. 14**

VOLUME 1A

SECTION IV: BIDDING FORMS

BOQ

Page IV-12

LOT 1: GRAND SUMMARY OF BILL OF QUANTITIES

Replace the Lot 1 BOQ Grand Summary page in the hardcopy with that attached herewith as Attachment 9 of Addendum No. 1.

The following additional amendment to the Bidding Documents applies:

**Item No. 15**

VOLUME 1A

Section II: Bid Data Sheet

ITB 7.1:

**Replace**

"Requests for clarifications should be received by the Employer no later than **21 days**, prior to the deadline for submission of Bids."

**With**

"Requests for clarifications should be received by the Employer no later than **14 days**, prior to the deadline for submission of Bids."

**ATTACHMENTS TO ADDENDUM NO. 1**

**[LOT 1: KASULU JUNCTION – MANYOVU INCLUDING KASULU TOWN LINKS (68.25 KM)  
TENDER NO. AE/001/2018-19/HQ/W/102]**

**Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102**

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**Attachment 1 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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**SECTION 4000: BITUMINOUS LAYERS AND SEALS**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b><u>SECTION 4100: PRIME AND CURING MEMBRANES</u></b>				
<b>41.01</b>	<b>Prime coat:</b>				
	(a) MC-30 cut-back bitumen - (Supply, heat and apply prime coat of MC-30 cut-back bitumen, at the rate of 0.8 - 1.0 litres/m <sup>2</sup> including aggregate blinding as approved)	litre	141,500		
	<b><u>SECTION 4200: BITUMINOUS BASE COURSE AND ASPHALT CONCRETE SURFACING</u></b>				
<b>42.02</b>	<b>(i) Asphalt concrete surfacing for carriageway:</b>				
	(a) Asphalt concrete Type SP12.5, compacted thickness 50mm for carriageway and shoulder	m <sup>3</sup>	5,900		
	(b) Performance Grade (PG) Binder	t	661		
	<b>(ii) Asphalt concrete surfacing for footpath:</b>				
	(a) Asphalt concrete Type SP9.5, compacted thickness 30mm for footpath	m <sup>3</sup>	800		
	(b) Performance Grade (PG) Binder	t	90		
<b>42.02</b>	Tack coat of 57% stable grade bitumen emulsion at 0.4litres/m <sup>2</sup>	litre	46,600		
<b>4000</b>	<b>TOTAL CARRIED TO SUMMARY</b>				

**Attachment 2 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction – Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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**SECTION 6000B: REINFORCED CONCRETE BRIDGE STRUCTURES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b>Brought Forward</b>				
<b>66.06B</b>	Provide balustrade of ARMCO flex beam with 124x75x8mm rectangular hollow section (RHS) support posts @ 2000mm c/c bedded in shoulders	m	113		
<b>66.07B</b>	Provide 6No. 150mm diameter service pipes to sides of slab within the walkway	m	148		
<b>66.08B</b>	Provide 6No. 150mm diameter service pipes to sides of slab within the walkway	m	155		
<b>66.09B</b>	(a) Geotextile filter fabric to wall ( as terram 280g/m <sup>2</sup> or approved equivalent.	m <sup>3</sup>	650		
<b>66.10B</b>	Apply two coats of bituminous water-proofing paint to backs of abutments and wingwalls	m <sup>2</sup>	1,615		
<b>66.11B</b>	Provide 2.2m long 75mm diameter Class C PVC drainpipe to deck slab at both kerbs at 2000mm c/c (max)	No.	24		
<b>66.12B</b>	900mm long 32mm diameter galvanised steel bolts properly grouted to receive deck girders	No.	24		
<b>66.13B</b>	600mm long 25mm diameter galvanised steel bolts properly grouted to receive approach slab	No.	56		
<b>66.14B</b>	Provide 75x75x8mm Equal Angle edge protection complete with 10mm mild steel rod anchors @ 600mm c/c at expansion joints	m	54		
<b>66.15B</b>	Provide 25mm mastic joint filler to expansion joints	m <sup>2</sup>	36		
<b>66.16B</b>	Polysulphide sealant self leveling at expansion joints and at edge of bridge	m	109		
<b>66.17B</b>	Provide 25mm thick styroform between inner sides of abutments heads and end girder stiffeners.	m <sup>2</sup>	20		
<b>SECTION 6800: CONSTRUCTION TOLERANCES FOR STRUCTURES</b>					
	(No separate pay items)				
<b>6000B</b>	<b>TOTAL CARRIED TO GRAND SUMMARY</b>				

**Attachment 3 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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**BILL No. 2000: DRAINAGE**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b>Brought Forward</b>				
	(b) Outlet structure for concrete down chute at high fills	No	100		
	(c) Inlet structure for concrete down chutes at high fills	No	100		
<b>23.06</b>	<b>Inlet, outlet transition and similar structures (measured by components):</b>				
	(a) Concrete slabs for crossing side drains (class 25/20) with class U2 surface finish	m <sup>3</sup>	30		
<b>23.07</b>	<b>Trimming of excavations for concrete-lined open drains:</b>				
	<i>(For trapezoidal and rectangular drain's bottom inverts lined with in-situ concrete)</i>				
	(a) In soft material as defined in clause 3603	m <sup>2</sup>	50,000		
	(b) In rock as defined in clause 3603	m <sup>2</sup>	2,500		
<b>23.08</b>	<b>Concrete lining for open drains:</b>				
	(a) Cast in situ concrete lining for concrete side drain (class 20/20) 100mm thick including reinforcement as per Drawing No. NKM-EKE-DD-DR-D-00403	m <sup>3</sup>	750		
	(b) Class U2 surface finish to cast in situ concrete for concrete side drain	m <sup>2</sup>	40,500		
<b>23.13</b>	<b>Polyethylene sheeting (0.15 mm thick) for concrete-lined open drains</b>	m <sup>2</sup>	40,500		
<b>SECTION 2500: PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION</b>					
<b>25.01</b>	<b>(b) Stone pitching:</b>				
	(i) Grouted stone pitching; 200mm total thickness	m <sup>2</sup>	1,160		
<b>25.02</b>	<b>Riprap</b>				
	(a) Packed riprap minimum size 400mm	m <sup>3</sup>	250		
	<b>Carried Forward</b>				

**Attachment 4 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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**BILL No. 2000: DRAINAGE**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b>Brought Forward</b>				
<b>23.07</b>	<b>Trimming of excavations for concrete-lined open drains:</b>				
	<i>(For trapezoidal and rectangular drain's bottom inverts lined with in-situ concrete)</i>				
	(a) In soft material as defined in clause 3603	m <sup>2</sup>	11,900		
	(b) In rock as defined in clause 3603	m <sup>2</sup>	595		
<b>23.08</b>	<b>Concrete lining for open drains:</b>				
	(a) Cast in situ concrete lining for concrete side drain (class 20/20) 100mm thick including reinforcement as per Drawing No. NKM-EKE-DD-DR-D-00403	m <sup>3</sup>	920		
	(b) Class U2 surface finish to cast in situ concrete for concrete side drain	m <sup>2</sup>	18,345		
<b>23.13</b>	<b>Polyethylene sheeting (0.15 mm thick) for concrete-lined open drains</b>	m <sup>2</sup>	18,345		
<b>SECTION 2500: PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION</b>					
<b>25.01</b>	<b>(b) Stone pitching:</b>				
	(i) Grouted stone pitching; 200mm total thickness	m <sup>2</sup>	500		
<b>25.02</b>	<b>Riprap</b>				
	(a) Packed riprap minimum size 400mm	m <sup>3</sup>	100		
<b>25.08</b>	<b>Erosion checks to ditch type B1 as shown on the drawing</b>	No	583		
<b>SECTION 2600: GABIONS</b>					
<b>26.01</b>	<b>Foundation trench excavation and backfilling for gabions:</b>				
	(a) In solid rock as defined in clause 3603	m <sup>3</sup>	25		
	(b) In all other material other than rock as defined in clause 3603	m <sup>3</sup>	100		
	<b>Carried Forward</b>				

**Attachment 5 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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## Form of Bid Security (Bank Guarantee)

\_\_\_\_\_ [Bank's Name, and Address of Issuing Branch or Office]

The Chief Executive,  
Tanzania National Roads Agency (TANROADS),  
P. O. Box 11364,  
Dar es Salaam (Hereinafter referred to as The Employer)

Date: \_\_\_\_\_

BID GUARANTEE No.: \_\_\_\_\_

We have been informed that \_\_\_\_\_ [name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated \_\_\_\_\_ (hereinafter called "the Bid") for the execution of \_\_\_\_\_ [name of contract] under Invitation for Bids No. \_\_\_\_\_ ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we \_\_\_\_\_ [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of \_\_\_\_\_ [amount in figures] (\_\_\_\_\_) [amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the performance security, in accordance with ITB 38.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

\_\_\_\_\_  
Name(s) of Signatory (ies)

\_\_\_\_\_  
[Signature]

**Attachment 6 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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## BILL No. 2000: DRAINAGE

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b>Brought Forward</b>				
	(iii) 1 200 mm diameter	m	560		
<b>22.07</b>	<b>Cast in situ concrete and formwork:</b>				
	(a) In class A bedding, screeds and the encasing of pipes, including formwork and class U2 surface finish (class 15/20)	m³	1,610		
	(c) In inlet and outlet structures, catchpits, manholes, thrust, but including class U2 surface finish (class 20/20)	m³	260		
<b>22.23</b>	<b>Service Ducts:</b>				
	(ii) 300 mm dia PVC class PN4	m	700		
<b>22.24</b>	<b>Duct marker blocks as shown on drawing</b>	No.	40		
<b>SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</b>					
<b>23.01</b>	<b>Concrete kerbing: (with class 20/20 concrete - complete with concrete class 15/20 haunching, foundation (bedding), mortar as specified).</b>				
	(a) Precast, 180x380 concrete class 25/20 kerb for drainage control kerbs	m	13,167		
	(b) Precast, 180x380 concrete class 25/20 kerb to traffic islands, roundabouts, busbays etc	m	800		
<b>23.03</b>	<b>Concrete chutes (typical designs):</b>				
	(a) Prefabricated down chutes at high fills.	m	500		
<b>23.05</b>	<b>Inlet, outlet, transition and similar structures (typical designs):</b>				
	(a) Drop inlet structure for concrete lined side drain.	No	150		
	<b>Carried Forward</b>				

Upgrading of Kabingo- Kasulu- Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction - Manyovu Including Kasulu Town Links (68.25 Km)

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**Attachment 7 of Addendum No. 1**

Upgrading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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**BILL No. 2000: DRAINAGE**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (TZS)	AMOUNT (TZS)
	<b>Brought Forward</b>				
	(c) In inlet and outlet structures, catchpits, manholes, thrust, but including class U2 surface finish (class 20/20)	m <sup>3</sup>	130		
<b>22.23</b>	<b>Service Ducts:</b>				
	(ii) 300 mm dia PVC class PN4	m	350		
<b>22.24</b>	<b>Duct marker blocks as shown on drawing</b>	No.	40		
<b><u>SECTION 2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</u></b>					
<b>23.01</b>	<b>Concrete kerbing: (with class 22/20 concrete - complete with concrete class 15/20 haunching, foundation (bedding), mortar as specified).</b>				
	(a) Precast, 180x380 concrete class 25/20 kerb <b>for drainage control kerbs</b>	m	3,540		
	(b) Precast, 180x380 concrete class 25/20 kerb <b>to traffic islands, roundabouts, busbays etc</b>	m	300		
<b>23.03</b>	<b>Concrete chutes (typical designs):</b>				
	(a) Prefabricated down chutes at high fills.	m	100		
<b>23.05</b>	<b>Inlet, outlet, transition and similar structures (typical designs):</b>				
	(a) Drop inlet structure for concrete lined side drain.	No	75		
	(b) Outlet structure for concrete down chute at high fills	No	75		
	(c) Inlet structure for concrete down chutes at high fills	No	75		
<b>23.06</b>	<b>Inlet, outlet transition and similar structures (measured by components):</b>				
	(a) Concrete slabs for crossing side drains (class 25/20) with class U2 surface finish	m <sup>3</sup>	50		
	<b>Carried Forward</b>				

**Attachment 8 of Addendum No. 1**

grading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction –  
Manyovu Including Kasulu Town Links (68.25 Km), Tender No. AE/001/2018-19/HQ/W/102

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<p><b>Requirement for Lot 1: Kasulu Junction – Manyovu including Kasulu Town Links (68.25 Km)</b></p>	<p><b>b-1)</b> For the above or other contracts executed during the period stipulated in 2.4.2(a-1) above, a minimum construction experience in following key activities:<sup>2</sup></p> <ul style="list-style-type: none"> <li>(i) Excavations – 900,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(ii) Earthworks common fill – 400,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iii) Construction of Bituminous Pavement works – 50,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iv) Construction of in-situ concrete works in slab, beams / girders, columns/piers, foundations box and pipe culverts – 2,500 m<sup>3</sup> per year for any of the Contracts</li> <li>(v) Construction of cement stabilised layer – 46,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(vi) Construction of Improved subgrade layer – 125,000 m<sup>3</sup> per year for any of the Contracts</li> </ul>	<p><b>Must meet requirements</b></p>	<p><b>Must meet requirement</b></p>	<p><b>Must meet fifty percent (50%) of the requirement</b></p>	<p><b>Must meet requirements</b></p>	<p><b>Form EXP – 2.4.2(b)</b></p>
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<sup>2</sup> Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).

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If recommended for any 2 lots	b-2) executed during the period stipulated in 2.4.2(a-2) above, a minimum construction experience in following key activities: <sup>3</sup>	Must meet requirements	Must meet fifty percent (50%) of the requirement	Must meet requirements	Must meet requirements	Form EXP – 2.4.2(b)
	<ul style="list-style-type: none"> <li>(i) Excavations – 534,000 m<sup>3</sup> per year for any of the Contracts*</li> <li>(ii) Earthworks common fill – 960,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iii) Construction of Bituminous Pavement works – 118,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iv) Construction of in-situ concrete works in slab, beams / girders, columns/piers, foundations box and pipe culverts – 7,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(v) Construction of cement stabilised layer – 105,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(vi) Construction of improved subgrade layer – 273,000 m<sup>3</sup> per year for any of the Contracts</li> </ul>					
	<p><u>Note*</u> Add 633,000 m<sup>3</sup> in case one of the Lots is LOT 1</p>					

<sup>3</sup> Volume, number or rate of production of any key activity can be demonstrated if one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).

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	Recommended for any 3 lots	b-3) For the above criteria, for contracts executed during the period stipulated in 2.4.2(a-3) above, a minimum construction experience in following key activities: <sup>4</sup> (i) Excavations – 800,000 m <sup>3</sup> per year for any of the Contracts* (ii) Earthworks common fill – 1,440,000 m <sup>3</sup> per year for any of the Contracts (iii) Construction of Bituminous Pavement works – 176,000 m <sup>3</sup> per year for any of the Contracts (iv) Construction of in-situ concrete works in slab, beams / girders, columns/piers, foundations box and pipe culverts – 10,500 m <sup>3</sup> per year for any of the Contracts (v) Construction of cement stabilised layer – 157,500 m <sup>3</sup> per year for any of the Contracts (vi) Construction of improved subgrade layer – 409,500 m <sup>3</sup> per year for any of the Contracts  <u>Note*</u> Add 633,000 m <sup>3</sup> in case one of the Lots is LOT 1	Must meet requirements	Must meet requirement	Must meet fifty percent (50%) of the requirement	Must meet requirements	Form EXP – 2.4.2(b)
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<sup>4</sup> Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities)

<p><b>If the tenderer for 4 lots</b></p>	<p><b>b-4)</b> For the above or other contracts executed during the period stipulated in 2.4.2(a-4) above, a minimum construction experience in following key activities:<sup>5</sup></p> <ul style="list-style-type: none"> <li>(i) Excavations – 1,700,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(ii) Earthworks common fill – 1,920,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iii) Construction of Bituminous Pavement works – 235,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(iv) Construction of in-situ concrete works in slab, beams / girders, columns/piers, foundations box and pipe culverts – 14,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(v) Construction of cement stabilised layer – 210,000 m<sup>3</sup> per year for any of the Contracts</li> <li>(vi) Construction of Improved subgrade layer – 546,000 m<sup>3</sup> per year for any of the Contracts</li> </ul>							
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<sup>5</sup> Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).

**Attachment 9 of Addendum No. 1**

grading of Kabingo – Kasulu – Manyovu (260.6 Km) Road to Bitumen Standard, Lot 1: Kasulu Junction – Manyovu Including Kasulu Town Links (68.2 Km), Tender No. AE/001/2018-19/HQ/W/102

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**LOT 1: GRAND SUMMARY OF BILL OF QUANTITIES**

NO.	DESCRIPTION	AMOUNT (TZS)
1	BILL 1000: GENERAL	
2	BILL 2000: DRAINAGE	
3	BILL 3000: EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE	
4	BILL 4000: BITUMINOUS LAYERS AND SEALS	
5	BILL 5000: ANCILLARY ROADWORKS	
6	(A). BILL 6000B: STRUCTURES (BOX CULVERTS)	
	(B). BILL 6000B: STRUCTURES (BRIDGES)	
7	BILL 7000: TOLERANCES, TESTING AND QUALITY CONTROL	
8	BILL 8000: STREET LIGHTING	
9	BILL 9000: DAYWORKS	
	<b>KASULU TOWN LINKS (Total Price )</b>	
(A)	TOTAL OF BILLS	
(B)	<b>LESS:</b> Specified Provisional Sums included in Total of Bills	<b>2,230,000,000.00</b>
(C)	SUB-TOTAL [(A) - (B)]	
(D)	<b>ADD:</b> 7.5% of Sub Total (C) for Physical Contingencies	
(E)	SUB-TOTAL [(C) + (D)]	
(F)	<b>ADD:</b> 7.5% of Sub Total (E) for Variation of Prices (VoP)	
(G)	SUB-TOTAL [(A) + (D) + (F)]	
(H)	<b>ADD:</b> Value Added Tax (VAT)-[18% of Sub-Total (G)]	
(I)	<b>GRAND TOTAL [(G) + (H)] -CARRIED FORWARD TO LETTER OF BID</b>	