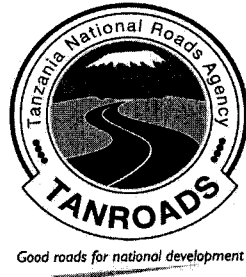


THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION



TENDER NO. AE/001/2018-19/HQ/W/101

FOR

CONSTRUCTION OF THE KIGONGO – BUSISI BRIDGE (3,200 M) AND ITS ASSOCIATED
APPROACH ROADS (1.66 KM), LOCATED IN MWANZA

Addendum No. 2 to the Bidding Documents

Date: 18th February 2019

Addendum No. 2 to the Bidding Documents is issued in accordance with Instructions to Bidders, Clause 9.1 to effect changes to the Bidding Documents.

Item No. 1

VOLUME 1
SECTION II: INSTRUCTIONS TO TENDERERS
Page Sec. II-2

The following amendment applies:

ITB 3.6	The requirement: "Foreign firms shall be required to submit confirmation of eligibility from Tanzania statutory body at the time of submission." is not applicable .
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Item No. 2

VOLUME 1
SECTION II: INSTRUCTIONS TO TENDERERS
Page Sec. II - 28

The following amendments apply:

(i) ITT Clause 32.4	"Exclusive preference scheme" does not apply.
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(ii)

ITT Clause 32.5 (a)	<p>Replace “(ii) Group B: Tenders offered by joint ventures of domestic and foreign firms meeting the criteria of ITT 32.3 above; or”</p> <p>With “(ii) Group B: Tenders offered by joint ventures of domestic firms, meeting the criteria of ITT 32.2 above, and foreign firms; or”</p>
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Item No. 3

VOLUME 1
SECTION III: TENDER DATA SHEET
Page **SEC.III-1**

ITB 1.1	Replace "(3,200m)" with "(3,000m)".
ITB 2.1	Replace "(3,200m)" with "(3,000m)".

Item No. 4

VOLUME 1
SECTION III: TENDER DATA SHEET
Page **SEC.III-3**

ITB 21.2(b)	Replace "(3,200m)" with "(3,000m)".
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Item No. 5

VOLUME 1
SECTION III: TENDER DATA SHEET
Page **SEC.III-8**

The following amendment apply:

ITB 41.1	Replace "fourteen (14)" with "twenty eight (28)"
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Item No. 6

VOLUME 1
SECTION V: SPECIAL CONDITIONS OF CONTRACT
Page **Sec. V – 2**

SCC Clause 1 / GCC Clause .1.

The length "(3,200m)" in the contract description is changed to "(3,000m)".

Item No. 7

VOLUME 1
SECTION VIII: BILL OF QUANTITIES

The length of "(3,200m)" in the BOQ Headers is corrected to read "(3,000m)".

Item No. 8

VOLUME 1
SECTION VIII: BILL OF QUANTITIES

BILL 1000: GENERAL

- Item 14.05 a): the quantity "3No". should be replaced with "4No."
- Item 14.05 b): the quantity "144" should be replaced with "192"
- Item 14.05 b): the quantity "72,000" should be replaced with "96,000"

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

Item No. 9

VOLUME 1
SECTION VIII: BILL OF QUANTITIES

BILL 5000: ANCILLARY ROADWORKS

Section 5200 Guardrails

Item 52.01: "Guardrails on timber posts" are amended to read "Guardrails on steel posts"

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

Item No. 10

VOLUME 1
SECTION VIII: BILL OF QUANTITIES

BILL 6000: STRUCTURES

BOQ Item SS61.35

Replace:

a) Sonic Integrity Test (Pier 2~Pier 65, Abutment 2 i) Pier 31 – 35 (D2500) ii) Pier 2 – 30, 36 – 65, Abutment 2 (D1500)	no no	5 60
a) Vertical Integrity Test (Pier 2~Pier 65, Abutment 2 i) Pier 31 – 35 (D2500) ii) Pier 2 – 30, 36 – 65, Abutment 2 (D1500)	no no	5 60

With:

a) Sonic Integrity Test i) Diameter 2.5m ii) Diameter 1.5m	no no	84 720
b) Vertical Integrity Test i) Diameter 2.5m ii) Diameter 1.5m	no no	84 720

The changes are reflected in the revised BOQ page attached herewith as **Attachment 3 of Addendum No. 2**. Hence, Bidders should replace the original page with the revised page.

Item No. 11

VOLUME 1
SECTION VIII: BILL OF QUANTITIES

BILL 6000: STRUCTURES

BOQ Item SS67.01

Replace:

ii) Temporary bridge	t	49,190
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With:

Note: Bidder is to price for either Option A or Option B below, but not both.		
ii) Temporary bridge specified in the Bidding Documents (Option A)	t	49,190
iii) Alternative to Option A above, to suit Bidder's own working method (Option B)	LS	

The changes are reflected in the revised BOQ page attached herewith as **Attachment 4 of Addendum No. 2**. Hence, Bidders should replace the original page with the revised page.

Item No. 12

VOLUME 1

SECTION VIII: BILL OF QUANTITIES

- (i) The BOQ is amended by inserting the missing BILL 7000 for TOLERANCES, TESTING AND QUALITY CONTROL – refer **Attachment 5 of Addendum No. 2.** for details.
- (ii) The Summary of Specified Provisional Sums is amended to include the Item No. 71.01 on Special tests requested by the Engineer - refer **Attachment 6 of Addendum No. 2.**
- (iii) The Grand Summary page has been revised as a result of the above changes - refer **Attachment 7 of Addendum No. 2.**

Bidders should replace the original pages with the amended pages.

Item No. 13

VOLUME 1

SECTION IX: TENDER FORMS

Page Sec. IX – 2 (Form of Tender)

The length "(3,200m)" in paragraph (a) of the Form of Tender is changed to "(3,000m)".

Note: The BOQ which accommodates the amendments cited under Item Nos. 8; 9; 10; 11 and 12 above is issued in soft copy.

Attachments of Addendum No. 2

Attachment 1 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

BILL 1000: GENERAL

Item No	Description	UNIT	QTY	RATE (TSH)	AMOUNT (TSH)
Sub Total of Bill 1000 (Brought Forward)					
14.03	Wash house for the Engineer:				
	a) Provide and maintain fully furnished and equipped wash house for the Engineer	LS			
	b) Maintain and pay all rents and municipal services for fully furnished and equipped wash house for the Engineer	No x Month	48		
14.04	Site Cabin / Office for the Engineer:				
	a) Provide fully furnished and equipped site cabin / office for the Engineer	LS			
	b) Maintain and pay all rents and municipal services for fully furnished and equipped site cabin / office for the Engineer	No x Month	48		
14.05	Four wheel drive station wagon for the Engineer:				
	a) Provide 4 No. brand new vehicles for the Engineer (2 no.) and Employer (2 no.), 4WD long wheel station wagon as approved by the Engineer	LS			
	b) Operate and maintain vehicles as specified above for an average of 4500 km per month	(vehicle) x (month)	192		
	c) Operate vehicles as specified above for travel distance in excess of average 4500 km per month	km	96,000		
14.06	Four wheel drive double cab pick-up for the Engineer:				
	a) Provide 6 No. vehicles for the Engineer and Employer:	LS			
	b) Operate and maintain vehicles as specified above for an average of 4500 km per month	(vehicle) x (month)	288		
	c) Operate vehicles as specified above for travel distance in excess of average 4500 km per month	km	144,000		
14.07	Survey equipment for the Engineer:				
	a) Provide specified survey equipment for the Engineer	LS			
	b) Maintain specified survey equipment for the Engineer	month	48		
SS14.08	Laboratory for the Engineer:				
	a) Provide laboratory fully furnished for the Engineer	LS			
	b) Maintain laboratory fully furnished for the Engineer	month	48		
	c) Testing by a commercial laboratory	PS			120,000,000
	d) Allow for contractor's overhead and profit as a percentage of item 14.08 (c)	%			
14.09	Laboratory equipment for the Engineer:				
	a) Provide specified laboratory equipment for the Engineer	LS			
	b) Maintain specified laboratory equipment for the Engineer	month	48		
14.10	Meals in Contractor's mess hall for the Employer's staff	No	960		
Sub Total of Bill 1000 (Carried Forward)					

Attachment 2 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

BILL 5000: ANCILLARY ROADWORKS

Item No	Description	UNIT	QTY	RATE (TSH)	AMOUNT (TSH)
	Sub Total of Bill 5000 (Brought Forward)				
	SECTION 5200: GUARDRAILS				
52.01	Guardrails on steel posts: a) Galvanised	m	3,390		
52.04	End units: b) End sections including foundation in the ground where double guardrail sections are used	No	8		
52.05	Additional guardrail posts: b) Steel	No	911		
52.06	Reflective plates	No	455		
	Sub Total of Bill 5000 (Carried Forward)				

Attachment 3 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

BILL 6000: STRUCTURES

Item No	Description	UNIT	QTY	RATE (TSH)	AMOUNT (TSH)
	Sub Total of Bill 6000 (Brought Forward)				
	c) Bored holes (Diameter :1.5m)				
	i) 0 m up to 10 m	m	7,200		
	ii) Exceeding 10 m, up to 15m	m	3,457		
	iii) Exceeding 15 m, up to 20 m	m	3,287		
	iv) Exceeding 20 m, up to 25 m	m	3,047		
	v) Exceeding 25 m, up to 30 m	m	2,690		
	vi) Exceeding 30 m, up to 35 m	m	2,041		
	vii) Exceeding 35 m, up to 40 m	m	1,551		
	viii) Exceeding 40 m, up to 45m	m	936		
	ix) Exceeding 45 m, up to 50 m	m	365		
	x) Exceeding 50 m, up to 55 m	m	16		
61.21	a) Forming augered and bored pile holes through unidentified obstructions	PS			6,900,000,000
	b) Allow for contractor's overhead and profit as percentage of sub item 61.21(a)	%			
61.27	Installing permanent pile casings for piles				
	a) Diameter 2.5m	m	4,896		
	b) Diameter 1.5m	m	30,562		
61.29	Steel reinforcement in cast in situ piles:				
	b) High-yield-stress-steel bars Grade 460	t	10,101		
61.30	Cast in situ concrete in piles of Class 45/16	m3	72,148		
61.31	Extra over Item 61.30 for concrete cast under water	m3	72,148		
61.33	Stripping/cutting the pile heads				
	a) Diameter 2.5m (H40 Reinforcement)	no	84		
	b) Diameter 1.5m (H32 Reinforcement)	no	720		
61.34	Establishment on the site for the load testing of piles	LS			
SS61.35	Load test (Cast in situ concrete piles)				
	a) Sonic Integrity Test				
	i) Diameter 2.5m	no.	84		
	ii) Diameter 1.5m	no.	720		
	b) Vertical Integrity Test				
	i) Diameter 2.5m	no.	84		
	ii) Diameter 1.5m	no.	720		
	c) Pile Loading Test (O-Cell Test)				
	i) Pier 31~35 (D2500, Test Load 37,000kN)	no	1		
	ii) Pier 2~30, 36~65, Abutment 2 (D1500, Test Load 16,300kN)	no	1		
	d) Dynamic Loading Test - Drop weight 200kN, Drop height : 2 to 3m	no	65		
	e) Lateral Loading Test (A2)	no	1		
	f) Test Pile before construction (D2500, D1500) (Test Load for Loading test 100,000kN-D2500; 40,000kN-D1500)	LS			
	Sub Total of Bill 6000 (Carried Forward)				

Attachment 4 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

BILL 6000: STRUCTURES

Item No	Description	UNIT	QTY	RATE (TSH)	AMOUNT (TSH)
	Sub Total of Bill 6000 (Brought Forward)				
	SECTION 6700: STRUCTURAL STEELWORK				
SS67.01	Structural steel				
	a) i) Saddle for stay cable	t	60		
	Note: Bidder is to price for either Option A or Option B below, but <u>not</u> both.				
	ii) Temporary bridge specified in the Bidding Documents (Option A)	t	49,190		
	iii) Alternative to Option A above, to suit Bidder's own working method (Option B)	LS			
	b) i) Key seg closure	no	4		
	ii) Steel frame for saddle installation	no	6		
	iii) Form traveler (1set = 2ea)	set	3		
	iv) Temporary Support for Pier table	no	3		
	v) Temporary Support for Side Span	no	2		
	vi) Launching Girder for installation of PSC Beam	no	2		
SS67.04	Inspection and maintenance of equipment	LS			
SS67.05	Street lights	LS			
	Total of Bill 6000 (Carried to Grand Summary)				

Attachment 5 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

BILL 7000: TOLERANCES, TESTING AND QUALITY CONTROL

Item No	Description	UNIT	QTY	RATE (TSH)	AMOUNT (TSH)
71.01	Special tests requested by the Engineer				
(a)	Tests	PS			250,000,000
(b)	Contractors overheads and profits	%			
Total of Bill 7000 (Carried to Grand Summary)					

Attachment 6 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

SUMMARY OF SPECIFIED PROVISIONAL SUMS

Item No	Description	AMOUNT (TSH)
	BILL 1000: GENERAL	
	Section 1200: General Requirements And Provisions	
12.01	Land acquisition	
	a) Arrange and pay compensation for acquisition of land for the works	600,000,000
SS12.02	Relocation Of services	
	a) Arrange and pay for removal and/or alteration to services provided by agencies for electricity supply, water supply or telecommunication services	200,000,000
	c) Arrange and pay for removal of existing fences (provisional sums)	30,000,000
SS12.06	Dispute Board (DB)	
	a) Provisional sum to cover the Employer's obligation to pay the Dispute Board (DB)	600,000,000
	Section 1400: Engineer's Accommodation And Attendance Upon Engineer's Site Personnel	
SS14.02	Office for Engineer:	
	c) Operation (8No) mobile telephones for engineer's office, limited to TZS 5,000 recharge time per telephone day per staff member mobilized on site that day.	43,000,000
SS14.08	Laboratory For The Engineer.	
	c) Testing by commercial laboratory	120,000,000
	Section 1700: Environmental Protection And Waste Disposal	
SS17.01	a) Provision and operation of the Contractor's Environmental Management Plan and performance of all measures specified, including payment of all fees	100,000,000
	Section 1800: HIV/AIDS, Gender Issues, Social Issues And Local Participation	
SS18.02	Instituting an HIV/AIDS Prevention Campaign	75,000,000
	SECTION 6100: FOUNDATIONS FOR STRUCTURES	
SS61.01	Additional foundation investigations	
	a) Arrange and pay for additional foundation investigations	300,000,000
61.21	a) Forming augered and bored pile holes through unidentified obstructions	6,900,000,000
71.01	Special tests requested by the Engineer	
	Tests	250,000,000
	Carried to Grand Summary	9,218,000,000

Attachment 7 of Addendum No. 2

Construction of the Kigongo-Busisi Bridge (3,000m) and its Approach Roads

GRAND SUMMARY

ITEM	DESCRIPTION	AMOUNT (TSH)
1000	GENERAL	
2000	DRAINAGE	
3000	EARTHWORKS AND PAVEMENT	
4000	BITUMINOUS LAYERS AND SEALS	
5000	ANCILLARY ROADWORKS	
6000	STRUCTURES	
7000	TOLERANCES, TESTING AND QUALITY CONTROL	
8000	DAYWORKS	
(A)	TOTAL OF SERIES	
(B)	Less: Specified Provisional Sums included in Total of Bills	-9,218,000,000
(C)	SUB TOTAL {(A) - (B)}	
(D)	ADD: Provisional Sum for Physical Contingency {7.5% of (C)}	
(E)	ADD: Provisional Sum for Variation of Price (VoP) {7.5% of (C)}	
(F)	SUB TOTAL (A) + (D) + (E)	
(G)	ADD: Value Added Tax (VAT) {18% of (F)}	
H	TENDER PRICE {(F) + (G)} CARRIED FORWARD TO FORM OF TENDER	