

## **ADDENDUM NO 1 FOR ROAD MAINTENANCE WORKS FOR FY 2015/2016,**

### **1 Clarifications and amendments on bills of quantities**

#### **i) Bill No.1**

The Bills of quantities for General Items (Bill No1) for the tenders in the table below have been amended and bidders should download them afresh from our website .Please note that there also other changes to the documents which are detailed in the addendum

Tender No	ROAD DESCRIPTION	PARK
KWS/OT/PBC/R&F/14/2015-2016	Rhino and Manyani Circuit Roads	Tsavo East
KWS/OT/PBC/R&F/15/2015-2016	Maktau-Kitani-Lake Jipe Road	Tsavo West
KWS/OT/PBC/R&F/17/2015-2016	Maji Ya Kioko- Daraja Mbao-Airstrip Circuit Roads	Amboseli
KWS/OT/PBC/R&F/18/2015-2016	Old Muera Gate-Kindani-Jn 22	Meru
KWS/OT/PM/R&F/19/2015-2016	KWSTI Internal Roads	Naivasha
KWS/OT/PBC/R&F/20/2015-2016	Elephant Platform –Kampi Mtamwaiya circuit roads	Mt. Elgon
KWS/OT/PBC/R&F/21/2015-2016	Kamato- Got Jope-Nyandenda Wiga road	Ruma

#### **ii) Manyani Drill Square**

All the bills of quantities for Tender No **KWS/OT/PBC/R&F/16/2015-2016** have been amended and should be downloaded a fresh.

#### **iii) Bill No 5 –Manyani and Rhino circuit roads**

Grading of formation where no gravel is laid; the correct specification is clause 518 of the special specifications

#### **iv) Bill No 5 – Old Muera Gate-Kindani-Jn 22**

Grading of formation where no gravel is laid; the correct specification is clause 518 of the special specifications

#### **v) Bill No 10-Manyani and rhino circuit roads**

The correct heading is Gravel wearing course. Delete Grading and gravelling works. Subsequently the numbering in the BOQ changes from 12.01 to 10.01.

#### **vi) Bill No 10- Maktau-Kitani-Lake Jipe Roads**

The correct heading is Gravel wearing course. Delete Grading and gravelling works. Subsequently the numbering in the BOQ changes from 12.01 to 10.01.

#### **vii) Bill No 10- Old Muera Gate-Kindani-Jn 22**

The correct heading is Gravel wearing course. Delete Grading and gravelling works. Subsequently the numbering in the BOQ changes from 12.01 to 10.01.

**viii) Bill No 10 –KWSTI internal roads**

This is included in the package amending bill No 1 for the same road

**ix) Bill No 10- Kamato- Got Jope-Nyandenda Wiga road**

The correct heading is Gravel wearing course. Delete Grading and gravelling works. Subsequently the numbering in the BOQ changes from 12.01 to 10.01

**x) Bill No 22 -Kamato Gate –Got Jope-Nyandenda Wiga Roads**

This has been amended and is included in the package amending bill No 1 for the same road

**xi) Bill of Quantities for PBC works -Kamato Gate –Got Jope-Nyandenda Wiga road**

Item 08.50.001(Catch water drain cleaning); amend this quantity to 42,500m from 150,000m in the document

**xii) Bill item No 22.21 - Elephant Platform –Kampi Mtamwaiya circuit roads**

The quantity against this bill item no. 22.21 has been amended. Therefore delete “1000m<sup>3</sup>” and replace it with “3000m<sup>3</sup>”.

## **2 Eligibility of Bidders**

The bid security is as detailed in the invitation for tender. Any per cent (%) of the bid sum indicated in the appendix to the form of bid as the amount of bid bond should be ignored. For the bidders participating in the tenders reserved for enterprises registered with the Treasury as Youth, Women and Persons with Disability Tender securing Declaration form has been provided in the document.

This is as detailed in the in the table indicating he site visit dates, the required NCA categories amongst others. Any deviation from this inside the bid document should be ignored. Therefore in clause 2.1, bullet (viii) in table 3.1 for the tender No. TENDER NO. KWS/OT/R&F/22/2015-2016 to Tender No. TENDER NO. KWS/OT/R&F/46/2015-2016, the NCA categories are **8, 7, 6** and **NOT** “7 and above” as indicated in the document.

Likewise for Tenders Nos. KWS/OT/PBC/R&F/14/2015-2016, KWS/OT/PM/R&F/15/2015-2016, TENDER NO. KWS/OT/PBC/R&F/16/2015-2016 to NO. KWS/OT/PBC/R&F/18/2015-2016, TENDER NO. KWS/OT/PM/R&F/19/2015-2016 and TENDER NO. KWS/OT/PBC/R&F/20/2015-2016 to NO. KWS/OT/PBC/R&F/21/2015-2016 clause 4.1 and clause 4.4 second item in table 3.1 of the Appendix to instruction to bidders and table 6.1 of the qualification criteria item 1.4, bullet three, the National Construction Authority (NCA) Category 5, 4 and 3 and not any other deviation in the document.

For Tenders No. KWS/OT/PBC/R&F/14/2015-2016, to NO. KWS/OT/PBC/R&F/21/2015-2016 in the appendix to instruction to tenderers, clause 5.2 paragraph 2, in line 3(three) should read “least Kshs. 50 Million **(Fifty million)**, that have been successfully and substantially” and **NOT** “least Kshs. 50 Million **(Forty million)**, that have been successfully and substantially”.

For Tender No. KWS/OT/R&F/41/2015-2016 in Section of the invitation to bidders’ page (ii), line 6, and line 8 delete the words “Aberdare national Park” and replace with “Meru National Park”

In the bidding data sheet under Section III, clause 5.2(b), in line 1(one) delete “Average Annual turnover for the last Five (5) years” and insert “Average Annual turnover for the last Three (3) years” for KWS/OT/PBC/R&F/14/2015-2016, to NO. KWS/OT/PBC/R&F/21/2015-2016. Consequently in Section VI table 6.1 of qualification criteria, clause 3.2, delete “50 Million (Fifty Million)” and insert “100 Million (One Hundred Million)”

Pass mark for technical evaluation shall be **75%** for all the tenders in the invitation to bidders and any contradiction should be ignored.

### 3 Amendments to form of Bid and appendix to form of bid

In the Form of Bid for Tenders tabulated below under bullet item “c: *Our tender is composed of the following components*”, delete “**53**” in component (A): “(Unit price per km per month) × 24 × “**53**” = (carried over to column on right)” and insert the corresponding kilometre length of each project road as illustrated in the table below.

Tender No.	Road Name	Length (Km) to be Inserted after deleting “53” in the Form of Bid
KWS/OT/PBC/R&F/14/2015-2016	Rhino and Manyani Circuit Roads	100
KWS/OT/PBC/R&F/15/2015-2016	Maktau-Kitani-Lake Jipe Road	108.5
KWS/OT/PBC/R&F/17/2015-2016	Maji Ya Kioko- Daraja Mbao-Airstrip Circuit Roads	23
KWS/OT/PBC/R&F/18/2015-2016	Old Muera Gate-Kindani-Jn 22	32
KWS/OT/PBC/R&F/20/2015-2016	Elephant Platform –Kampi Mtamwaiya circuit roads	22
KWS/OT/PBC/R&F/21/2015-2016	Kamato- Got Jope-Nyandenda Wiga road	23

In addition Liquidated damages percentages for the above Tenders as indicated in the **Appendix to Form of Bid** and clause 39.2 of the conditions of contract shall be **0.025% of the contract sum**. And Limit of liquidated Damages clause 39.3 of the conditions of contract shall be **10%** of the contract sum **and NOT 0.025%** of the contract sum.

In the Appendix to form of bid for Tenders No. KWS/OT/PM/R&F/14/2015-2016, KWS/OT/PBC/R&F/15/2015-2016, KWS/OT/PBC/R&F/17/2015-2016, KWS/OT/PBC/R&F/18/2015-2016, KWS/OT/PBC/R&F/20/2015-2016 to NO. KWS/OT/PBC/R&F/21/2015-2016 and Clause 39.1, the period for Rehabilitation works is 18 Months and Performance based Contract is **24 Months**. On the other hand and period for Rehabilitation works for Tender No. KWS/OT/PM/R&F/16/2015-2016 and KWS/OT/PM/R&F/19/2015-2016 are **6 Months** with **3 months** Defect liability period. Any deviation should be ignored

### 4 Drawings

#### i) **Box Culvert Proposed for Tender No. KWS/OT/R&F/29/2015-2016- Voi Town-Voi Gate -Sala Gate Road E682**

The proposed box culvert is standard box culvert size 2.5X2.0m. Bidders are referred to Sheet No. 8 of Standard Drainage manual part2: Standard Box culvert: Section 2A and 2B Published by Ministry of Transport & Communication Roads and Aerodrome Department Bridges Section (April 1987 Edition).

Also Attached is the standard drift drawings

### 3 Amendments Technical Specification

#### i) Factual Materials report

Omit the content of sub clause 127.1. There are no materials reports prepared

#### ii) Taking over of works

Partial taking over of works will be allowed.

#### iii) Specifications for grading works

In the special specifications for Tenders Nos. KWS/OT/PBC/R&F/14/2015-2016, KWS/OT/PM/R&F/15/2015-2016, TENDER NO. KWS/OT/PBC/R&F/16/2015-2016 to NO. KWS/OT/PBC/R&F/18/2015-2016, TENDER NO. KWS/OT/PM/R&F/19/2015-2016 and TENDER NO. KWS/OT/PBC/R&F/20/2015-2016 to NO. KWS/OT/PBC/R&F/21/2015-2016:

Add clause **518** below clause 517 to the special specifications for “**EARTH WORKS**”

### 518 Grading

Grading covers the works formation and compaction or restoration of the road profile to camber as per the cross-section template and side ditches or reinstatement of the the road profile and existing side drainage/mitre drains including the shaping of the formation, compaction and, if applicable, the reshaping and re-compaction of the gravel wearing course road carriageway to the camber by removing the high points and filling up gullies corrugations and wheel ruts to restore smooth running surface.

Grading shall only be undertaken where ordered by the Engineer.

These operations shall be carried out using the following plant:

- a motor grader of at least 120 HP( for light grading alone)
- a roller, sufficient to achieve the required compaction(if compaction required it shall be included in the BOQ's)
- a water tanker to obtain the required moisture content for compaction. if watering required it shall be included in the BOQ's)

The works to be carried out under this item are as follows.

- (a) Removal of vegetation, topsoil, landslips forming the road to camber with the limits of the roadway and side drains and or mitres drains, whatsoever the width as directed by the Engineer.
- (b) Where directed by the Engineer, the widening of the roadway by either cutting or filling, or both.
- (c) The reshaping of the longitudinal profile of the roadway, including the removal of ruts, humps and windrow, and the filling of potholes.
- (d) The reshaping of the roadway and ditches to the specified cross-section template, as directed by the engineer, including the reinstatement of existing side ditches and mitre drains.
- (e) The clearing of all loose material from side slopes to fills and cuts.

#### Quality Control

#### **Grading**

- Gradient of the ditch shall be checked at 20m interval using boning roads and shall drain to the natural drainage channels or mitre drains placed at regular intervals.
- The width of the carriageway (see table 10.2) shall be checked using tape measure at every 50m with tolerance of +50mm or -20mm

- The camber shall be checked using camber board at every 50m with and shall have a tolerance of +/- 1%

**iv) Specifications for General Items**

In clause 138 of the special specification paragraph 2, line 6 deleted and insert the period for maintenance of the supervision vehicle for Engineer and his staff as illustrated in the table below

Tender No.	Road Name	Delete (Months)	Insert (Months)
KWS/OT/PBC/R&F/14/2015-2016	Rhino and Manyani Circuit Roads	9	18
KWS/OT/PBC/R&F/15/2015-2016	Maktau-Kitani-Lake Jipe Road	9	18
KWS/OT/PM/R&F/16/2015-2016	Manyani Drills	9	6
KWS/OT/PBC/R&F/17/2015-2016	Maji Ya Kioko- Daraja Mbao-Airstrip Circuit Roads	9	18
KWS/OT/PBC/R&F/18/2015-2016	Old Muera Gate-Kindani-Jn 22	15	18
KWS/OT/PM/R&F/19/2015-2016	KWSTI Internal Roads	9	6
KWS/OT/PBC/R&F/20/2015-2016	Elephant Platform –Kampi Mtamwaiya circuit roads	19	18
KWS/OT/PBC/R&F/21/2015-2016	Kamato- Got Jope-Nyandenda Wiga road	15	18

**v) Performance specification**

In Section XIV under clause 14.10.1 for Tenders No. KWS/OT/PBC/R&F/14/2015-2016, KWS/OT/PM/R&F/15/2015-2016, TENDER NO. KWS/OT/PBC/R&F/16/2015-2016 to NO. KWS/OT/PBC/R&F/18/2015-2016, TENDER NO. KWS/OT/PM/R&F/19/2015-2016 and TENDER NO. KWS/OT/PBC/R&F/20/2015-2016 to NO. KWS/OT/PBC/R&F/21/2015-2016, Payment Reductions and Liquidated Damages to be applied on Non-Compliance, add table 14.4(b) as per attached.

- vi)** In the special specification for the tenders listed below, under clause 101, the extent and location of works are as indicated in the table below:

Tender No	Road Description	Location PARK	Kilometre
KWS/OT/R&F/22//2015-2016	Kanana – Shimoni road D543	Kisite	13
KWS/OT/R&F/23/2015-2016	Jct.D547 Msambweni – Junction C106 Main Gate Road D546	Shimba Hills	46
	Jct.D546 – Giriama Point Road E963		7
	Kwale – Kivumoni forest Road E962		8
KWS/OT/R&F/24/2015-2016	Lali Ndia Ndasa- Ithumba - Kansiku Road E903	Tsavo East	194
KWS/OT/R&F/25/2015-2016	Ithumba Kasala Ngwate Road E906	Tsavo East	35
	Asa -Ndia Ndaza Road E981	Tsavo East	40
KWS/OT/R&F/26/2015-2016	Sala - Lango Mbaya Road C103	Tsavo East	68
	Bachuma - Sobo Road E683	Tsavo East	84
KWS/OT/R&F/27/2015-2016	Manyani – Sala Road C103	Tsavo East	102
KWS/OT/R&F/28/2015-2016	Thabagunji-Mtito Andei Road E914	Tsavo East	102
	Mopea Ithumba Road E907	Tsavo East	100
KWS/OT/R&F/29/2015-2016	Voi – Sala Gate Road E682	Tsavo East	89
	Voi town- Voi Gate Road E682	Tsavo East	6
KWS/OT/R&F/30/2015-2016	Park Hq -Lugards- Mifupa Ndovu Road E684	Tsavo East	95
KWS/OT/R&F/31/2015-2016	Nagasani – Mtito Road E693	Tsavo West	111
	Mbuyuni - Junction E692	Tsavo West	28
KWS/OT/R&F/32/20154-2016	Chyulu gate – A109Tsavo Road C103	Tsavo West	88
	Junction C102-Chyulu Gate Road C103	Tsavo West	64
KWS/OT/R&F/33/2015-2016	Junction C103 Chyulu Hills Road E704	Chyulu/Tsavo West	18
	Junc A109 - Junc E704 Road E1819	Chyulu	29
KWS/OT/R&F/34/2015-2016	Jct C102(Loitokitok) – Namanga) Road C103	Amboseli	112
KWS/OT/R&F/35/2015-2016	OI Tukai – Pk Bnd-C102 Road E397	Amboseli	31
KWS/OT/R&F/36/2015-2016	Jct.D448 - Mt. Kenya Road E606	Mt. Kenya	10
KWS/OT/R&F/37/2015-2016	Ngobit - Rhino Gate - Shamatta E593/592	Aberdare	11
	Mweiga-Ark Lodge Road E583	Aberdare	14
KWS/OT/R&F/38/2015-2016	Kinungi- Kiandogoro Gate Road E511	Aberdare	20
KWS/OT/R&F/39/2015-2016	JctD389 - Mutubio Gate-Ruhuruine-Kanjora Road E580	Aberdare	46
KWS/OT/R&F/40/2015-2016	Mitero -Wandare- Junct Road E592	Aberdare	35
KWS/OT/R&F/41/2015-2016	Junction E817 -Murera gate - Ura Gate Road E801	Meru	55
KWS/OT/R&F/42/2015-2016	Jct C45 - Main Gate-Kimothon Gate Road E337	Mt. Elgon	37
	Endebes - Mt. Elgon Road E343	Mt. Elgon	10
KWS/OT/R&F/43/2015-2016	Junction D210 Magunga - Pk Bnd-Kwoyo Road E115	Ruma	30
KWS/OT/R&F/44/2015-2016	Ogongo - Pk Hqs Sidede -Mirogi Road D213	Ruma	22
	Kuoyo- Nyatuta Gate- Magunga Road D210	Ruma	24
KWS/OT/R&F/45/2015-2016	Junct A1 -Saiwa Park Road E339	Saiwa	5
KWS/OT/R&F/46/2015-2016	Junction A3 -OI Donyo Road D521	OI Donyo	5

TABLE 14.4(B): PAYMENT REDUCTION CALCULATION TABLE (UNPAVED ROAD)

Sheet      of     

Project	ABC Road PBC Maintenance Project				Contract Period	24
Road Authority	KeNHA, KURA, KeRRA		Contractor	XYZ Contractor		
Road Name/ Class/ Chainage/ (j)Length	ABC Road		A, B, C, D, E, Unclassified, Urban Road		10+10.00 - 25+ 5.00	10.0km
Statement Monthly/ Year and Elapse of Month	September	2014	3	Standard Service Level		High, Standard, Fair

Contract Due Amount of the Month (x)		400,000		KSH							
Service Level Criteria		Compliance			Reduction						
Service	Service Scope	(a) Contract Road Length (km)	(b) Required Target	(c)=(a)*(b) Target Length (km)	(d)=(a)-(c) Exemption Length (km)	(e) Non-Compliant Length (km)	(f)=(e)-(d) (>=0) Adjusted Non-Compliant Length (km)	(f)/(c) NON-Compliant Rate	(g) Reduction Weight	(h)=(f)*(g) Reduction Rate (%)	(i)=(c)x(h) Reduction Length (km)
Documentation		10.0	100%	10.0	-	-	-	1	4%	4.0%	0.40
1. Road Usability	A) Road Usability	10.0	100%	10.0	0.0	2.0	2.0	20%	40%	8.0%	0.80
2. Road User Comfort	B) Pavement, Shoulders	10.0	100%	10.0	0.0	2.0	2.0	20%	40%	8.0%	0.80
3. Road Durability	C) Drainage	10.0	100%	10.0	0.0	0.0	0.0	0%	30%	0.0%	0.00
	D) Vegetation	10.0	100%	10.0	0.0	6.0	6.0	60%	30%	18.0%	1.80
	E) Structures	10.0	100%	10.0	0.0	6.0	6.0	60%	20%	12.0%	1.20
	F) Road Furniture	10.0	100%	10.0	0.0	6.0	6.0	60%	20%	12.0%	1.20
	G) Profile and Road Width (unpaved)	10.0	100%	10.0	0.0	6.0	6.0	60%	10%	6.0%	0.60
	H) Embankment and Slopes	10.0	100%	10.0	0.0	2.0	2.0	20%	6%	1.2%	0.12
(j) Total =									69.2%	6.92	

200%

Elapse of Month	1. Road Usability	2. Road User Comfort	3. Road Durability
1	50%	50%	50%
2	100%	75%	75%
3	100%	100%	100%
4	100%	100%	100%
5	100%	100%	100%
6	100%	100%	100%
7~	100%	100%	100%

Contract Due Amount of the Month	KSH	400,000	(x)
Reduction Rate	%	69%	(j)
Reduction Amount	KSH	276,800	(z)=(x)x(i)
Payment Amount of the Month	KSH	123,200	(y)=(x)-(z)

