

**KWAZULU-NATAL PROVINCE**TRANSPORT  
REPUBLIC OF SOUTH AFRICA

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[Sipho.Mncube@kzntransport.gov.za](mailto:Sipho.Mncube@kzntransport.gov.za)**ADDENDUM NO. 01:****CONTRACT NO.: ZNB00016/00000/00/HOD/INF/20/T:****ADDENDUM No.01 FOR: ZNB00016/00000/00/HOD/INF/20/T: THE UPGRADE OF THE ONE TREE HILL WEIGHBRIDGE TO A 4 DECK (MULTI-DECK) WEIGHBRIDGE.**

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

This Addendum No. 01 comprises a total of **Six (6) PAGES**, including this page.

The amendments required to the tender document are as follows:

Amendment No.	Amendment Required
1	Please refer to page 12 Section N, SBD 3.1 Pricing Schedule, Item Number 6 Fencing has been added which was previously unintentionally omitted. The following points are added: 6. Fencing 6.1 Removal of exiting fence and installation of new High Security Clear View – Density Mesh Fencing 2.1m high (m) (40) 6.2 Installation of 2x 5m wide, 2m high new gates (no) (2)
2	Please refer to page 36 Section 4. Scope of Works, remove the point: Removal of existing Multi Deck Weighbridge, and replace with the following points: ➤ The service provider should demolish, remove, and dispose the existing concrete decks. ➤ Replace the old fence with a new fence and the width should be extended by 1 metre away from the weighbridge. The length of the fence should be 40 metres. Two new gates should be installed at the entrance and at the exit of the weighbridge. ➤ After the completion of works, the service provider will be required to provide proof of environmentally safe disposal in the form of a certificate of disposal.
3	Please refer to page 37 Section 5.1.3. Capacity. Replace <b>160 000 kg</b> with <b>80 000kg</b> and respectively <b>40 000 kg</b> with <b>20 000 kg</b> . Refer to Section 5.1.5. Load cell design, replace Electronic <b>40 ton</b> with 20 ton.
4	Please refer to page 39, Section 6 Fencing has been added which was previously unintentionally omitted. The following points are added: <b>6.Fencing</b>

**ADDENDUM No.01 FOR: ZNB00016/00000/00/HOD/INF/20/T: THE UPGRADE OF THE ONE TREE HILL WEIGHBRIDGE TO A 4 DECK (MULTI-DECK) WEIGHBRIDGE.**

	<p><b>6.1 Security Fence</b></p> <p>The tenderer shall be required to remove the existing fence and install a new fence. The new fence shall be a High Security Clear View – Density Mesh Fencing 2.1m high. The anticipated length of the new fence is 40m.</p> <p>The tenderer shall include in the tendered rate all provisions for the removal of the exiting fence, plant, labour, materials, supply of fence panels and posts and all other incidentals required to undertake the removal and installation of the new fence.</p> <p><b>6.2 Security Gates</b></p> <p>The tenderer shall be required to install two new High Security Gates. The gates shall be sliding gates constructed from High Security Clear View – Density Mesh to match the fencing and with a height of 2.1m. The new gates shall be a minimum of 5m in length.</p> <p>The tenderer shall include in the tendered rate all provisions for the plant, labour, materials, supply of gate and posts and all other incidentals required to undertake installation of the new gates.</p>
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**Non-acknowledgment of this addendum will lead to disqualification.**

**The acknowledgment of this addendum must only be submitted with the bid document.**

Should you have any queries with regards to the above, please contact Siphon Mncube.

Yours faithfully



**Mr M. Sithole**  
**BSC Chairperson**

I/We acknowledge receipt of this Addendum No.01 and have made the required alterations to our tender document.

BIDDER.....

NAME OF SIGNATORY: .....

DATE: .....

<b>5</b>	<b>Instrumentation</b>				
5.1	Weighbridge Terminal Model (Min Dual Core Intel Processor 3.30 GHZ)	No	1		
5.2	Microsoft Windows compatible software package	No	1		
5.3	Digital Indicator showing the 4 independent decks weights and total weight (5 display panels)	No	1		
5.4	Dot matrix ticket printer	No	1		
5.5	Lightning/surge protection system	No	1		
5.6	Special paint or Epoxy finishing on 22M Steel Deck	m <sup>2</sup>	150		
5.7	Electronic load cell	No	16		
5.8	Provision and Installation of a water pump (min 1.1kW)	No	1		
<b>6.</b>	<b>Fencing</b>				
6.1	Removal of exiting fence and installation of new High Security Clear View – Density Mesh Fencing 2.1m high	m	40		
6.2	Installation of 2x 5m wide, 2m high new gates	No	2		
<b>SUB-TOTAL 1</b>					
<b>VAT AT 15%</b>					
<b>GRAND TOTAL (BID PRICE IN RSA CURRENCY WITH ALL APPLICABLE TAXES INCLUDED)</b>					

I (full name) \_\_\_\_\_, in my capacity as \_\_\_\_\_, the duly authorized representative of \_\_\_\_\_ (business name) hereby declares that the offer is in accordance with the attached specification, notes to suppliers & accepts all conditions/clauses contained in the said documents.

Signature of duly authorised representative _____	Date: _____
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## SECTION N

### Terms of Reference and Specifications

#### 1. BACKGROUND

The KwaZulu Natal Department of Transport intends to upgrade the existing 3.0 m Wide, 10.3m long One Tree Hill Single Deck Weighbridge to a 22m long, 3.2m wide, Multi-Deck Weighbridge. The One Tree Hill Weighbridge is located approximately 25 km West of Dundee, along the National Route 11- Section 3 at Km 13, in Ward 1 of the Dannhauser Local Municipality (KZN254) under the Amajuba District Municipality (DC25). The approximate co-ordinates of the One Tree Hill Weighbridge location are 27.70518° S and 29.97744° E.

The appointed service provider shall be responsible for providing the entire Weighbridge as per the specifications listed under, producing layout plans of the Weighbridge, removal of the existing Weighbridge, design and preparation of the foundations and installation of the new Weighbridge.

#### 2. CONTRACT DURATION

The entire contract duration will be for a period of 6 months for the upgrade of the weighbridge.

#### 3. MANDATORY REQUIREMENTS

As stipulated in the advert and evaluation criteria, it is a mandatory requirement that the interested bidder must be SANAS accredited and SANS 10378-2012 approved Weighbridge Operator. Proof of such accreditation in the name of the Tenderer is required to be submitted with this document. The tenderer must provide proof of having verification & repair officers accredited to perform work on Traffic Law Enforcement equipment as per NRCS qualifications. Proof of accreditation must be submitted with this bid.

Any tenderer that fails to meet this Mandatory requirement will be deemed invalid.

#### 4. SCOPE OF WORKS

The following is a broad outline of the scope of works;

- Establishment on site
- Design of multi deck weighbridge, including concrete base design and producing detailed layout and sectional drawings with all the details of the concrete base, concrete side walls and instrumental layout.
- **The service provider should demolish, remove, and dispose the existing concrete decks**
- **Replace the old fence with a new fence and the width should be extended by 1 metre away from the weighbridge. The length of the fence should be 40 metres. Two new gates should be installed at the entrance and at the exit of the weighbridge.**
- **After the completion of works, the service provider will be required to provide proof of environmentally safe disposal in the form of a certificate of disposal.**
- Excavating approximately 1.4m deep
- Preparation of soil foundations and compaction to appropriate densities
- Fixing and casing concrete foundations, side walls as well as the approach and departure slabs.
- Installation of the new load cells and Multi Deck Weighbridge
- Installation of water pump to remove any excess water from under the Weighbridge
- Calibration and Certification before commissioning
- Training and handover



## 5. SPECIFICATIONS

### 5.1 WEIGHBRIDGE

#### 5.1.1 WEIGHBRIDGE DETAILS

The Weighbridge shall be a Pit Multi Deck Road weighbridge at a depth of 1m, complete with Digital Indicator, Weighbridge Terminal, ticket Printer, Powercells and Steel Platforms for weighing of axle loads and combination of total vehicle mass.

#### 5.1.2 DECK/PLATFORM SIZE

The combined decks shall be 22m Long x 3,2m Wide consisting of four (4) decks each measuring:

- 3m x 3.2m
- 6m x 3.2m
- 7m x 3.2m
- 6m x 3.2m

#### 5.1.3 CAPACITY

The Weighbridge shall have a total capacity of **80 000 kg** – each deck with a **20 000kg** capacity

#### 5.1.4 DIVISION SIZE

0 – 40 ton = 20kg

#### 5.1.5 LOAD CELL DESIGN

The load cells shall be full Electronic **20 ton** hermetically sealed, stainless steel digital power cells with braided cable and water tight connectors (IP68/IP69K) to a total number of sixteen (16) i.e. 4 cells per deck. The cells shall be protected against lightning strikes up to 50 000 amperes.

#### 5.1.6 INSTRUMENTATION

The following instrumentation shall be required to be provided and installed by the tenderer;

- 1 x Weighbridge Terminal Model (Min Dual Core Intel Processor 3.30 GHZ)
- 1 x Microsoft Windows compatible software package
- 1 x Digital Indicator showing the 4 independent decks weights and total weight (5 display panels)
- 1 x Dot matrix ticket printer
- 1 x Surge/Lightning Protection System

A minimum 1.1kW water pump shall be installed to remove any excess water from under the deck. The tenderer shall include in the tendered rate all provisions for the pump, labour, connection, drainage pipes, outlets and all other incidentals required to ensure the effective operation of the pump.

## 5.2 FOUNDATIONS

### 5.2.1 SOIL BEDDING FOUNDATIONS

The tenderer shall be required to break up and remove the existing weighbridge concrete slab, load and cart away or reuse this concrete in the preparation for the soil foundations. Excavation to a depth of approximately 1.4m shall be required in preparation for the installation of the Weighbridge with sidewalls at a depth of 1m, concrete slab and accommodation for any soil foundation improvements. The insitu soil foundations shall be compacted/and/or

## **5.6 GUARANTEE**

The following guarantee shall be required to be provided by the tenderer;

- All mechanical components: 5 years
- All electronic equipment: 24 months
- Power cells should be guaranteed against lightning strikes and water/corrosion damage for 36 months from verification date

All equipment shall be manufactured to ISO 9001:2015 International Quality Standards.

## **6. FENCING**

### **6.1 Security Fence**

The tenderer shall be required to remove the existing fence and install a new fence. The new fence shall be a High Security Clear View – Density Mesh Fencing 2.1m high. The anticipated length of the new fence is 40m.

The tenderer shall include in the tendered rate all provisions for the removal of the exiting fence, plant, labour, materials, supply of fence panels and posts and all other incidentals required to undertake the removal and installation of the new fence.

### **6.2 Security Gates**

The tenderer shall be required to install two new High Security Gates. The gates shall be sliding gates constructed from High Security Clear View – Density Mesh to match the fencing and with a height of 2.1m. The new gates shall be a minimum of 5m in length.

The tenderer shall include in the tendered rate all provisions for the plant, labour, materials, supply of gate and posts and all other incidentals required to undertake installation of the new gates.