

SCM APPENDIX 1  
(Supplier to complete & return.  
Failure to complete, offer will be invalid)

**INVITATION TO QUOTE**

<b>YOU ARE HEREBY INVITED TO QUOTE FOR REQUIREMENTS OF THE DEPARTMENT OF TRANSPORT</b>					
<b>QUOTATION NUMBER:</b>	ZNQ03908/00000/00/HOD/GEN/21/T	<b>CLOSING DATE:</b>	18 October 2021	<b>CLOSING TIME:</b>	11H00
<b>DESCRIPTION</b>	DETAILED SITE SURVEY FOR THE CONSTRUCTION OF PHONGOLO(MFENI) RIVER PEDESTRIAN BRIDGE				
<b>QUOTATION RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)</b>					
Main Entrance Foyer 172 Burger Street Pietermaritzburg 3201 Mon to Fri: 07:30 until 16:00		Email: <a href="mailto:tenders@kzntransport.gov.za">tenders@kzntransport.gov.za</a>  Under no circumstances must suppliers submit their quotation offers/ responses to the official whose name appear on the enquiries.			
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>			<b>TECHNICAL ENQUIRIES MAY BE DIRECTED TO:</b>		
<b>CONTACT PERSON</b>	Jane Bek	<b>CONTACT PERSON</b>	Fernando Mathe		
<b>TELEPHONE NUMBER</b>	033-3558641	<b>TELEPHONE NUMBER</b>	033 355 0542		
<b>FACSIMILE NUMBER</b>		<b>FACSIMILE NUMBER</b>			
<b>E-MAIL ADDRESS</b>	Jane.bek@kzntransport.gov.za	<b>E-MAIL ADDRESS</b>	<a href="mailto:Fernando.Mathe@kzntransport.gov.za">Fernando.Mathe@kzntransport.gov.za</a>		
<b>SUPPLIER INFORMATION</b>					
<b>NAME OF BIDDER</b>					
<b>POSTAL ADDRESS</b>					
<b>STREET ADDRESS</b>					
<b>TELEPHONE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>		
<b>CELLPHONE NUMBER</b>					
<b>FACSIMILE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>		
<b>E-MAIL ADDRESS</b>					
<b>VAT REGISTRATION NUMBER</b>					
<b>SUPPLIER COMPLIANCE STATUS</b>	TAX COMPLIANCE SYSTEM PIN:		<b>OR</b>	CENTRAL SUPPLIER DATABASE No:	MAAAA
<b>B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE</b>	TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
<b>ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No  [IF YES ENCLOSE PROOF]		<b>ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No  [IF YES, ANSWER PART B:3 ]
<b>B3: QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
<b>IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.</b>					

SCM APPENDIX 2  
(Supplier to complete & return.  
Failure to complete, offer will be invalid)  
**TERMS AND CONDITIONS FOR QUOTING**

<b>1. BID SUBMISSION:</b>
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. <b>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</b>
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. IF THE BID WAS INVITED THROUGH A CLOSE QUOTATION PROCESS; WHERE SUPPLIERS WERE SOURCED FROM CSD USING THE COMMODITY PROCESS; SUPPLIERS WHO WERE NOT INVITED WILL NOT BE CONSIDERED.
1.5. USE OF OMISSION IN THE DOCUMENT IS PROHIBITED, ALL CORRECTIONS MUST BE INITIALLED BY TENDERR AND USE OF CORRECTION FLUID IS PROHIBITED.
1.6. FAILING TO COMPLY WITH THE ABOVE REQUIREMENTS WILL RESULT IN THE BID BEING NON-RESPONSIVE.
1.7. <b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</b>
<b>2. TAX COMPLIANCE REQUIREMENTS</b>
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."
<b>3. COMPLIANCE AND RETURNABLES: THE FOLLOWING RETURNABLE DOCUMENTS MUST RETURNED WITH THE QUOTATION DOCUMENT</b>
3.1 SCM APPENDIX 1 INVITATION TO QUOTE (SBD1 PART A)
3.2 SCM APPENDIX 2 – TERMS AND CONDITIONS FOR BIDDING (SBD1 PART B)
3.3 SCM APPENDIX 3 – OFFICIAL BRIEFING SESSION/SITE INSPECTION CERTIFICATE
3.4 SCM APPENDIX 4 - PRICE INFORMATION PAGE (MUST BE SIGNED OR THE BID IS INVALID)
3.5 SBD 4 - DECLARATION OF INTEREST FORM
3.6 SBD 6.1 - PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017;
3.7 SBD 6.2 – DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT TOGETHER WITH ANNEXURE C (COMPLETED IF APPLICABLE)
3.8 SBD 8 - DECLARATION OF SUPPLIERS PAST PERFORMANCE FORM
3.9 SBD 9 - CERTIFICATE OF INDEPENDENT BID DETERMINATION.

**NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

SIGNATURE OF BIDDER: \_\_\_\_\_

CAPACITY UNDER WHICH THIS BID IS SIGNED: \_\_\_\_\_

(Proof of authority must be submitted e.g. company resolution)

DATE: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_



(Supplier to complete &amp; return. Failure to complete, offer will be invalid)

QUOTATION REF. NO.:	ZNQ03908/00000/00/HOD/GEN/21/T
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(Detailed site survey for the construction of Phongolo(Mfeni) river pedestrian bridge)

## DESCRIPTION &amp; PRICE DETAILS OF GOODS/SERVICE REQUIRED

Quantity	Description	Price per unit	Price
1	Placing, building, GPS Fixing and spirit levelling of the Permanent Survey Control Beacons/Bridge Pegs	Lump Sum	
1	Capture of DTM and required features, and drawing of required plans of Structures -Detailed Bridge Site Survey	Per Ha	
1	Ensuring of Compliance per hectares.	Per Ha	
1	Submission of Survey Records	Lump Sum	
1	Establishment	Lump Sum	
Total Price must be as per the specification details requirements			
*Please see the attached specification price page 26 - 32, supplier to quote exactly what listed not alternatives ...*			
Sub-total			
(If a VAT Vendor provide proof of VAT Registration) @ 15%			
TOTAL			
Delivery period after order issued		(to be decided by specifications)	
AMOUNT IN WORDS			
VALIDITY PERIOD OF OFFER (in months)		120 days (4 Months)	
Supplier Business Stamp			
IF APPLICABLE DID THE SUPPLIER ATTEND THE COMPULSORY SITE INSPECTION/BRIEFING SESSION/? YES/NO/NA			
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:

**NB: failure to sign and full complete as per instructions given on this price page will invalidate the bid.**

SBD 4  
DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state<sup>1</sup>, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
- the bidder is employed by the state; and/or
  - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. In order to give effect to the above, the following questions must be completed and submitted with the bid.
- 2.1. The names of all directors / trustees / shareholders<sup>2</sup> / members/individuals, their individual identity numbers, tax reference numbers to inserted in the table below. If applicable, employee / PERSAL numbers must be indicated in the last column.

Full Name	Position held (shareholder, director, trustee, member, individual etc.)	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number

If space provided is insufficient, details as specified above can be attached, however, this must be clearly indicated in this table

2.2.	Full names of bidder or his or her representative: ..... .....		
2.3.	Identity Number: ..... .....		
2.4.	Position occupied in the Company (Director, trustee, shareholder, member) ..... .....		
2.5.	Registration number of company, enterprise, close corporation, partnership, agreement or trust ..... .....		
2.6.	Tax reference number: ..... .....		
2.7.	VAT Registration number: ..... .....		
2.8.	Are you or any person connected with the bidder presently employed by the state? Kindly mark the applicable answer with a tick ✓.  If so, furnish the following particulars:	YES NO	 
2.8.1.	Name of person/director/trustee/shareholder/member: ..... .....		
2.8.2.	Name of state institution at which you or the person connected to the bidder is employed: ..... .....		
2.8.3.	Position occupied in the state institution: ..... .....		
2.8.4.	Any other particulars: ..... ..... ..... ..... ..... .....		

2.9.	If you or any person connected with the bidder are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? Kindly mark the applicable answer with a tick ✓.	YES NO N/A	  
2.9.1.	If yes, did you attach proof of such authority to the bid document? (Note: failure to submit proof of such authority, where applicable, may arise in the disqualification of the bid. Kindly mark the applicable answer with a tick ✓.)	YES NO	 

		N/A	
2.9.2.	If no, furnish reasons for non-submission of such proof: ..... ..... ..... ..... .....		
2.10.	Did you or your spouse, or any of the company's directors/ trustees/ members of their spouses conduct business with the state in the previous twelve months? Kindly mark the applicable answer with a tick ✓.	YES	
		NO	
2.10.	If yes, furnish particulars: ..... ..... ..... ..... .....		
2.11.	Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation or adjudication of the bid? Kindly mark the applicable answer with a tick ✓.	YES	
		NO	
2.11.	If yes, furnish particulars: ..... ..... ..... ..... .....		
2.12.	Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? Kindly mark the applicable answer with a tick ✓.	YES	
		NO	
2.12.	If yes furnish particulars. ..... ..... ..... ..... .....		

2.13.	Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? Kindly mark the applicable answer with a tick ✓.	YES	
		NO	
2.13.	If yes, furnish particulars. ..... ..... ..... ..... .....		

	<p>.....</p> <p>.....</p>					
2.13.2	<p>Have you or any of the directors / trustees / shareholders / members of the company or the company in general provided any gifts, rewards, awards, sponsorships, donations or hospitality to the department or any of its employees or their family in the last 12 months? Kindly mark the applicable answer with a tick ✓.</p>	<table border="1"> <tr> <td>YES</td> <td></td> </tr> <tr> <td>NO</td> <td></td> </tr> </table>	YES		NO	
YES						
NO						
2.13.3	<p>If yes, furnish particulars, including estimated value.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>					
3.	<p><b>DECLARATION</b></p> <p>I, THE UNDERSIGNED</p> <p>(NAME) _____</p> <p>CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 AND 3 ABOVE IS CORRECT, AND I HAVE TAKEN REASONABLE DILIGENT STEPS (AS REQUIRED BY S76 OF THE COMPANIES ACT, 2011, WHERE APPLICABLE), TO ENSURE THAT THE INFORMATION PROVIDED IS CORRECT.</p> <p>I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.</p> <p>NAME OF BIDDER: _____</p> <p>POSITION: _____</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p>					

**Every question must be answered individually on this form, whether a relationship is present or not: Failure to do so will invalidate your tender/bid**



## PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

### 1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2

a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the **80/20** preference point system shall be applicable; or

b) The 80/20 preference point system will be applicable to this tender.

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

## 2. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
  - 1) B-BBEE Status level certificate issued by an authorized body or person;
  - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

## 3. POINTS AWARDED FOR PRICE

### 3.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

**80/20**

**or**

**90/10**

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

$P_s$  = Points scored for price of bid under consideration

$P_t$  = Price of bid under consideration

$P_{\min}$  = Price of lowest acceptable bid

#### 4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

**4.2. EME'S AND QSE'S MUST COMPLETE THE FOLLOWING APPLICABLE AFFIDAVIT FORM TO CLAIM PREFERENCE POINTS**

**SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE**

I, the undersigned,

<b>Full name &amp; Surname</b>	
<b>Identity number</b>	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a member / director / owner of the following enterprise and am duly authorised to act on its behalf:

<b>Enterprise Name</b>	
<b>Trading Name (If Applicable):</b>	
<b>Registration Number</b>	
<b>Enterprise Physical Address:</b>	
<b>Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):</b>	
<b>Nature of Business:</b>	
<b>Definition of "Black People"</b>	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- I. before 27 April 1994; or II. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"
<b>Definition of "Black Designated Groups"</b>	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

3. I hereby declare under Oath that:

- The Enterprise is \_\_\_\_\_% Black Owned as per Amended Code Series 100 of the amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = \_\_\_\_\_%
  - Black Disabled % = \_\_\_\_\_%
  - Black Unemployed % = \_\_\_\_\_%
  - Black People living in Rural areas % = \_\_\_\_\_%
  - Black Military Veterans % = \_\_\_\_\_%
- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of \_\_\_\_/\_\_\_\_/\_\_\_\_\_, (dd/mm/yyyy) the annual Total Revenue was R10,000,000.00 (Ten Million Rands) or less
- Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box.**

100% Black Owned	<b>Level One</b> (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	<b>Level Two</b> (125% B-BBEE procurement recognition level)	
Less than 51% Black Owned	<b>Level Four</b> (100% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise, which I represent in this matter.
5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: \_\_\_\_\_

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

<b>Stamp</b>

\_\_\_\_\_  
**Signature of Commissioner of Oaths**

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**SWORN AFFIDAVIT – B-BBEE QUALIFYING SMALL ENTERPRISE**

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I, the undersigned,

<b>Full name &amp; Surname</b>	
<b>Identity number</b>	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a member / director / owner of the following enterprise and am duly authorised to act on its behalf:

<b>Enterprise Name</b>	
<b>Trading Name (If Applicable):</b>	
<b>Registration Number</b>	
<b>Enterprise Physical Address:</b>	
<b>Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):</b>	
<b>Nature of Business:</b>	
<b>Definition of "Black People"</b>	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (c) who are citizens of the Republic of South Africa by birth or descent; or (d) who became citizens of the Republic of South Africa by naturalisation- III. before 27 April 1994; or IV. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"
<b>Definition of "Black Designated Groups"</b>	"Black Designated Groups means: (f) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (g) Black people who are youth as defined in the National Youth Commission Act of 1996; (h) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (i) Black people living in rural and under developed areas; (j) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

3. I hereby declare under Oath that:

- The Enterprise is \_\_\_\_\_% Black Owned as per Amended Code Series 100 of the amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is \_\_\_\_\_% Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = \_\_\_\_\_%
  - Black Disabled % = \_\_\_\_\_%
  - Black Unemployed % = \_\_\_\_\_%
  - Black People living in Rural areas % = \_\_\_\_\_%
  - Black Military Veterans % = \_\_\_\_\_%
- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of \_\_\_\_/\_\_\_\_/\_\_\_\_\_, (dd/mm/yyyy) the annual Total Revenue was between R10,000,000.00 (Ten Million Rands) and R50,000,000.00 (Fifty Million Rands),
- Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box.**

100% Black Owned	<b>Level One</b> (135% B-BBEE procurement recognition level)	
At Least 51% black owned	<b>Level Two</b> (125% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise, which I represent in this matter.
5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: \_\_\_\_\_

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

<b>Stamp</b>

\_\_\_\_\_  
**Signature of Commissioner of Oaths**

## 5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

## 6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: . = .....(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.)

## 7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES		NO	
-----	--	----	--

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	
-----	--	----	--

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

## 8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]



8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution.

WITNESSES

1. ....
2. ....

.....  
SIGNATURE(S) OF BIDDERS(S)

DATE: .....

ADDRESS .....

.....  
.....

## DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### 1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

- |   |  |
|---|--|
| x | is the imported content in Rand                          |
| y | is the bid price in Rand excluding value added tax (VAT) |

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.**

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
_____	_____ %
_____	_____ %
_____	_____ %

3. Does any portion of the goods or services offered have any imported content?  
(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 3..1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on [www.resbank.co.za](http://www.resbank.co.za)

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

**LOCAL CONTENT DECLARATION**  
**(REFER TO ANNEX B OF SATS 1286:2011)**

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID NO. ....**

**ISSUED BY:** (Procurement Authority / Name of Institution):

.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial\\_development/ip.jsp](http://www.thedti.gov.za/industrial_development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder entity),  
the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 2 above)	
Local content %, as calculated in terms of SATS 1286:2011	

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.**

**The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.**

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

### DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
  - a. abused the institution's supply chain management system;
  - b. committed fraud or any other improper conduct in relation to such system; or
  - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? <b>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</b>  The Database of Restricted Suppliers now resides on the National Treasury's website( <a href="http://www.treasury.gov.za">www.treasury.gov.za</a> ) and can be accessed by clicking on its link at the bottom of the home page.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? <b>The Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

**CERTIFICATION**

I, THE UNDERSIGNED (FULL NAME) .....  
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

## CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids<sup>1</sup> invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
  - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
  - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

I, the undersigned, in submitting the accompanying bid:

---

(Bid Number and Description)

in response to the invitation for the bid made by:

---

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder



6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a bid;
  - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

Js914w 2

**<sup>3</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.**

## **SPECIFICATION: REQUEST A DETAILED SURVEY FOR: THE CONSTRUCTION OF PHONGOLO(MFENI) RIVER PEDESTRIAN BRIDGE**

### **1. SPECIAL PROVISIONS**

- 1.1** These special provisions must be read in conjunction with the KZN DOT Survey Manual and TMH11. No departure from the specifications shall be made without prior authority of the Head: Transport.  
**If it is envisaged to complete the survey using means other than GPS or Total Stations approval must first be obtained from the D.O.T survey section**

#### **1.2 The Purpose of the survey**

The purpose of a structural site survey is to represent the natural terrain as accurately as possible and to produce a comprehensive topographical survey from which a design for the proposed new structure can be carried out. The permanent control beacons shall be used to control the setting out and construction of the structure.

#### **1.3 Phases of the survey**

The survey shall include the following phases:

Placing, building and fixing permanent survey control.

Survey of detailed Bridge Site.

Surveying of check cross-sections

Ensuring compliance

Submission of survey records (field books, plans and digital data etc)

#### **1.4 Permanent Survey Control**

##### **1.4.1 New beacons**

The requirements of paragraph 4.1 of the KZN DOT Survey Manual shall apply.

- 1.4.1.2** Four bridge pegs shall be placed within the site survey area at the proposed structure site.

- 1.4.1.3** Care shall be taken to place the survey beacons in a safe position where they will be least exposed to disturbance or damage.

- 1.4.1.4** From every beacon at least two permanent reference objects being either beacons of the same survey or trig beacons shall be made visible at the time of survey.

- 1.4.1.5** Beacon numbers will be issued by the Department of Transport: KZN survey section and shall be taken from the survey road number file –

The Bridge pegs shall be numbered according to the survey road file number, and BP with any suitable alphabetical suffix e.g. D1927ACA BPA, D1927ACB BPB, etc as shown below.  
Numbers shall not be duplicated.

<b>D1927ACA BPA</b>
-------------------------

The numbering shall be positioned to be read while facing the direction of the next survey beacon.

#### **1.4.2 Construction of Concrete Beacons**

The requirements of paragraph 4.4 of the KZN DOT Survey Manual shall apply.

- 1.4.2.1** Each beacon shall be marked by means of a cairn of rocks built around the beacon. All the rocks shall be painted with a durable white paint. If rocks are not readily available in the vicinity of the beacon the beacons may be marked by means of a 1.8-meter iron standard, driven  $\pm 0.8$  meters into the ground. The iron standard shall be painted with white enamel paint.

#### **1.5 Horizontal Fixing**

The requirements of paragraph 4.6 of the KZN DOT Survey Manual shall apply.

The survey beacons shall be fixed by GPS.

The standards of accuracy shall comply with that laid down in paragraph 2.3 of the KZN DOT Survey Manual.

Sufficient independent checks must be carried out to ensure the survey is correct.

#### **1.5.1 GPS Fixing**

##### **1.5.1.1 Transformation Parameter/GPS Calibration**

The requirements of paragraph 4.6 of the KZN DOT Survey Manual shall apply.

At least two Trig beacons shall be used for the calculation of the GPS Transformation parameter/calibration of the project.

**The determination of the final transformation parameters/GPS calibration shall be approved by the DOT KZN survey section prior to determining final co-ordinates and commencing with the DTM Survey.**

##### **1.5.1.2 GPS Fixing of Survey Beacons**

These may be fixed by Static or Real Time surveying.  
Base lines for the fixing of the survey beacons shall not exceed 10 kilometres.

###### **1.5.1.2.1 Static Surveying**

The position of each beacon shall be determined from two different known fixed points or by using two base stations and a roving station running simultaneously.

###### **1.5.1.2.2 Real Time Surveying**

The position of each beacon shall be determined by fixing each point twice. Different reference stations shall be used for each set of fixes. This should be on a separate day or several hours apart.

##### **1.5.1.3 General**

Observing time shall be sufficiently long enough to ensure accuracy.  
Measurements shall only be taken when 5 or more satellites are available.  
No measurements shall be taken when the GDOP (Geometric Dilution of Precision) is greater than 8.  
No measurements shall be taken to satellites lower than 15 degrees

##### **1.5.1.4 GPS Calculations**

The following must be submitted:

- 1.5.1.4.1** A technical report dealing with all aspects of the survey. This must include details of instruments used, survey methods, checks carried out, any problems encountered and any other significant details regarding the survey.
- 1.5.1.4.2** A working diagram showing all surveyed beacons as well as all known co-ordinated points used in the transformation.
- 1.5.1.4.3** A full co-ordinate list shall be prepared showing the final co-ordinates of all beacons as fixed in the field. Beacons shall be listed in numerical and or alphabetical order. These must also be supplied in Comma Delimited ASCII format (CSV)
- 1.5.1.4.4** A hard copy log file of the transformation parameter/ GPS calibration.

## **1.6 Vertical Control**

The requirements of paragraph 4.7 of the KZN DOT Survey Manual shall apply.

The survey beacon shall be based on the GPS elevation of the first placed beacon.

The origin of elevation shall be indicated on the final co-ordinate list.

The elevations of all points shall be determined by spirit levelling.

The standards of accuracy shall comply with that laid down in TMH11

Daily instrument adjustment checks shall be carried out and shall be reflected in the field book.

### **1.6.1 Spirit Levelling**

- 1.6.1.1** All beacon elevations shall be measured twice, i.e. by forward and reverse levelling. Simultaneous levelling on a common staff is not allowed.

- 1.6.1.2** The reduced level, given to 3 decimals of a meter for any station shall be the top of the pipe marking the station.

All spirit levelling of the beacons will in addition to the reverse levelling be checked by GPS heights.

### **1.6.2 Reductions and Calculations**

The reduction of spirit levelling observations shall be done in the field books, either by the "rise and fall" or "collimation" methods. Where reductions are done by computerized methods, printouts of all working must be supplied. A table showing the height difference for each run, the difference between them, the mean height difference and the final elevation for each peg must be supplied.

**Differences between successive beacons shall not be larger than 0.010 millimeters**

## **1.7 Bridge Site Surveys**

The requirements of Chapter 6 of KZN DOT Survey Manual shall apply.

### **1.7.1 Area to be surveyed in detail**

A detailed Bridge Site Survey is required. The survey must cover a radius of **500m** from the center of the river as indicated in the kmz file provided.

#### **Proposed Bridge Centerline Co-ordinates:**

Latitude	Longitude
27°20'40.20"S	31° 5'4.34"E

All natural and man-made features which may have an impact on the siting of the bridge shall be surveyed and must include tops and bottom of banks, edges of water and riverbed, rock outcrops and overhead telephone/power lines. The positions and levels of boreholes shall be surveyed in if drilling has already taken place.

A reliable highest known flood level (H.K.F.L) together with source of information and date of flood shall be obtained.  
The position of the H.K.F.L shall be surveyed and shown on the site plan.  
DTM shots are to be taken at a maximum of five meter intervals.  
Contours are to be at 0.5 meter vertical intervals.

#### **1.7.2 Details of River Channel**

The survey shall be extended **500 meters** upstream and **500 meters** downstream from the indicated bridge centreline picking up only the river channel, i.e. tops and bottom of banks, edges of water and riverbed.

The position and openings of any existing bridge structures within 250 metres of the proposed bridge are to be measured.

Spot shots are to be taken at maximum of 15-meter intervals.

#### **1.7.3 Cross Sections of River Channel**

**Twenty-One (21)** cross sections must be surveyed, **ten (10)** upstream and **ten (10)** downstream and one at the proposed bridge centreline. The cross sections shall be **100 meters** apart measured along the river centre line. Cross sections shall be taken normal to the direction of flow.

Cross sections shall extend beyond the flood plain outside of the defined channel.

The river banks, water levels and river bed levels must be included for each cross section.

Coordinates for each cross section to be listed in CS, Y, X, Z, CODE format where CS is the cross section number and CODE is a survey point code or description.

Cross section coordinates must be listed in the correct order from left to right when looking downstream.

The coordinates for the river centreline must include the river centreline coordinates in each of the cross section cut lines. The river coordinates **MUST** be listed in order FROM TOP of the river reach TO BOTTOM of the river reach. There can be more coordinates in the river centreline than cross sections, so that the correct river station lengths of the cross sections can be calculated.

The coordinates for the river centreline must be listed in N, Y, X, Z, CS format, where N is the coordinate's list number, from top to bottom of stream. Where a river centreline point is also at a cross section, the relevant cross section number must be entered as the CS value.

**For each cross section, the Surveyor must provide digital photos of the watercourse and the LEFT and RIGHT BANKS taken at each cross section.** The purpose of the photos is to enable the Engineer to gauge the general ground conditions in the river bed and banks, as well as the type of vegetation and its possible effect on the flow in the river.

#### **1.7.4 DTM Tolerances**

The requirements of paragraph 2.7 of the KZN DOT Survey Manual shall apply.

#### **1.7.5 Check Cross Sections**

The requirements paragraph 9.3 of the KZN DOT Survey Manual shall apply.

After the first two phases are complete the DOT Survey shall indicate the positions and extent of the cross sections to be taken to check the DTM. Three cross sections shall be taken per kilometer.

Check cross sections should be observed by independent methods and compared to the DTM. The observations (raw data) and results should be included in a tabular format.

Each check cross section shall be plotted on a separate A4 sheet.

**SITE IMAGE: Please note that the image below is merely for illustration purposes only.**





## 1.8 Further Requirements

The following criteria will be considered in evaluating bidders:

- The Project Leader must be an Engineering Surveyor with a minimum NQF level 7 qualification and must be registered with the South African Geomatics Council (SAGC).
- The bidding entity must have at least one (1) Survey Professional within its employ.
- The bidding entity must have successfully completed at least one (1) similar project.

Appointed surveyors are required to inform The Head: Transport of the date they expect to begin surveying and to provide weekly progress reports.

This shall be done either by telephone or email.

Please contact DOT Survey Section or Engineer in this regard. Details are as follows:

Tel: (033) 355 0562

Email: Trevor.Moore@Kzntransport.gov.za

Tel: 033 355 0452

Email: Fernando.Mathe@kzntransport.gov.za

All required information/data shall be submitted to The Head: Transport for checking and approval.

No checking will take place unless all the required data and calculations have been supplied. All required data shall be supplied on or before the stipulated time for completion.

## 1.9 Records and Deliverables

The requirements of chapter 10 of the KZN DOT Survey Manual shall apply.

The following records shall be provided on completion of the survey.

The survey data is to be supplied in ASCII text, CSV, or Excel file with each cross section, cut line and the river centerline clearly labelled. Note that for this project, cross section numbers increase in the downstream direction.

### 1.9.1 Field books, calculations and reports

All field books, calculations and reports including copies of SG diagrams referred to in this annexure must be submitted.

All calculations must be signed and dated.

### **1.9.2 DTM SURVEY**

The DTM survey shall be provided in CDM or TOT format with accompanying break lines correctly joined, all on one surface.

### **1.9.4 HEC-RAS Geometry Import File**

The Surveyor is required to create and supply a HEC-RAS Geometry import file.

### **1.9.3 CAD Drawing**

A digital CAD drawing in either DWG (2018 or latest) or DXF (2018 or latest) format must be produced, final A0 paper plots are not required.

All positions are to be plotted in their true WGS84 Lo position. Where the survey covers more than one A0 plan then a single DWG file of the entire survey must be submitted.

All feature lines and services must be correctly joined and drawn on separate CAD layers. Different colours must be used for each separate feature line.

All features must be correctly annotated and shall include...

#### Permanent Control

Indicated by two concentric circles of different diameters. Directional arrows shall be drawn between consecutive beacons. The number and elevation shall be indicated within a circle joined to the beacon.

#### Roads

Status and number of all classified roads shall be shown.

Street names shall be indicated.

Destinations shall be stated at the end of each road.

#### Cuts, Fills and Banks

Cuts and fills shall be indicated by straight line hatching.

#### Buildings

All buildings must be shown to actual shape and size and only permanent buildings shall be hatched.

Buildings must be described by its function.

#### Pipes and Culverts

Size and Invert levels of all pipes and culverts shall be indicated

#### Telephone Lines

Telephone poles shall be connected by means of short lines either side of the symbol circle.

#### Power Lines

Power poles or pylons shall be connected by means of a continuous line and appropriate zigzag symbol inserted halfway between the poles.

#### Cadastral

Cadastral boundaries, property descriptions and SG numbers must be indicated and property descriptions shall be as they appear on the SG diagram. The plotting of cadastral lines shall be extended to at least 100 meters beyond the surveyed area

#### Services

All surveyed services such as manholes, cable markers, water meter etc must be correctly annotated and indicated with the appropriate symbol.

#### **1.10 Calculation file**

The requirements of chapter 10 of the KZN DOT Survey Manual shall apply.

All required calculations and checks shall be included in a calculation file. This must include a technical report dealing with all aspects of the survey i.e. details of instruments used, survey methods, checks carried out, any problems encountered and any other significant details regarding the survey. A locality sketch must also be prepared.

The data shall be filed as follows:-

Survey report

Locality Sketch

Final co-ordinate list

Working diagram

Horizontal control: Calculations, reports and checks

Vertical control: Calculations, reports and checks

Check cross-sections

#### **1.12 Responsibility for Attainment of Standards**

The onus shall be on the Contractor to ensure, by means of field checks or other independent confirmations, that all work complies with the standards specified in the KZN DOT Survey Manual. The Head: Transport shall have the right to demand proof that plans depict details correctly.

#### **1.13 Check by the Head: Transport**

The Head: Head Transport shall scrutinize and check the field work, plans and records only to such extent as he may deem necessary to satisfy himself/herself that the terms of the contract and specifications have been complied with.

**No deviation from this specification shall be entertained.**

**Work not done according to specification will be returned to be corrected.**

The term “**Head: Transport**” shall be taken to include any officer of the KwaZulu - Natal Department of Transport duly authorized to act on behalf of the **Head: Transport**.



## Annex C

SATs 1286.2011

## Local Content Declaration - Summary Schedule

(C1) Tender No.		Pula		EU		GBP	
(C2) Tender description:							
(C3) Designated product(s)							
(C4) Tender Authority:							
(C5) Tendering Entity name:							
(C6) Tender Exchange Rate:							
(C7) Specified local content %							

Note: VAT to be excluded from all calculations

  

Calculation of local content								Tender summary			
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)	(C17)	(C18)	(C19)
(C20) Total tender value											
(C21) Total Exempt imported content											
(C22) Total Tender value net of exempt imported content											
(C23) Total Imported content											
(C24) Total local content											
(C25) Average local content % of tender											

Signature of tenderer from Annex B \_\_\_\_\_

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

### Imported Content Declaration - Supporting Schedule to Annex C

[illegible]

### Calculation of imported content

A7. Exempted imported content				Calculation of imported content						Summary	
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
(D19) Total exempt imported value											

(D19) Total exempt imported value

**This total must correspond with  
Annex C - C 21**

### Calculation of imported content

[illegible]

(D32) Total imported value by tenderer

### Calculation of imported content

[illegible]

(D45) Total imported value by 3rd party

### Calculation of foreign currency payments

[illegible]

**Signature of tenderer from Annex B**

Date:

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above

**This total must correspond with  
Annex C - C23**

## Annex E

SATS 1286.2011

## Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of Items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10) **Manpower costs** (Tenderer's manpower cost)

(E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables etc.)

(E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest etc.)

(E13) Total local content

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: