



**DEPARTMENT OF WATER AND SANITATION  
REPUBLIC OF SOUTH AFRICA**

**REQUEST FOR BID**

**REQUEST FOR BID NUMBER: W11466**

**DESCRIPTION**

**APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, DELIVERY, SERVICE  
AND MAINTAIN DEFORMATION MONITORING SURVEY EQUIPMENT FOR THE  
DIRECTORATE: SPATIAL INFORMATION (D:SI).**

**ISSUE DATE:**

**19 APRIL 2024**

**CLOSING DATE:**

**20 MAY 2024**

**TIME: 11:00**

**SUBMIT TENDER DOCUMENT  
TO**

**POSTAL ADDRESS:  
DIRECTOR-GENERAL: WATER AND  
SANITATION  
PRIVATE BAG X 313  
PRETORIA,0001**

**OR**

**TO BE DEPOSIT IN:  
THE TENDER BOX AT THE ENTRANCE  
OF ZWAMADAKA BUILDING  
157 FRANCIS BAARD STREET  
(FORMERLY SCHOEMAN STREET)  
PRETORIA,0002**

**TENDERER: (Company address and stamp)**

**Please be aware that the Department representatives at SCM will never call you and demand bribes in exchange for a tender. if this happens, please notify the Department.**



## DIRECTIVE TO BIDDERS ON COMPLETION OF SBD FORMS AND PACKAGING OF BID PROPOSAL

The purpose of this document is to guide bidders on the completion of SBD forms and packaging of a Bid

Proposals with each document being placed under the correct Annexure. The last column of the table below (this column must be ticked as an indication that each document and its requirements have been complied with by the bidder)

The dates on this all-SBD forms must be a date which is within the bid advert period

### TABLE OF CONTENTS FOR BID PROPOSALS

DOCUMENT	ANNEXURE	DIRECTIVE	COMPLIED/NOT COMPLIED
SBD 1	A	Bidders are required to complete this document in full and be signed off. The date on this form must be a date which is within the bid advert period	
ANNEXURE A3 PRICING SUBMISSION.	B	Bidders are required to complete the applicable form in full and ensure that the amounts in the document are properly calculated. The total amount (inclusive of VAT) as reflected herein will be regarded as the Total Bid Price. <b>Bidders who are not VAT Vendors are not allowed to charge VAT</b> Bidders are required to constantly verify their TAX Status on CSD to ensure that their task matters are in order	
SBD 4	C	This document must be completed in full. <b>Bidders attention is drawn particularly to paragraph 2.3 which requires the bidder to disclose if the company or any of its directors have interest in other companies whether they have bided or not. Bidders are required to provide all information. Should a bidder have more companies to declare, such information can be provided on a separate sheet in the format prescribed in the form and be attached to the SBD 4. Information captured must be inline with what is captured in the CSD report</b>	
SBD 6.1	D	This document must be completed in full. Bidders are advised to ensure that information captured in this this form is aligned to information contained in the CSD Reports.	
BBBEE Certificate/Sworn affidavit	E	Bidders are required to submit a valid BBBEE Certificate or sworn affidavit.	
CSD Report	F	Bidders are requested to provide copies of reg CSD Report.	
Bid Proposal	G	A detailed bid proposal in line with the Specifications must be attached	

**PART A  
INVITATION TO BID**

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)</b>					
BID NUMBER:	<b>W11466</b>	CLOSING DATE:	<b>20 MAY 2024</b>	CLOSING TIME:	<b>11H00</b>
DESCRIPTION	<b>APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, DELIVERY, SERVICE AND MAINTAIN DEFORMATION MONITORING SURVEY EQUIPMENT FOR THE DIRECTORATE: SPATIAL INFORMATION (D:SI).</b>				
<b>BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)</b>					
<b>ZWAMADAKA BUILDING ENTRANCE</b>					
<b>157 SCHOEMAN STREET</b>					
<b>PRETORIA</b>					
<b>0002</b>					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>			<b>TECHNICAL ENQUIRIES MAY BE DIRECTED TO:</b>		
CONTACT PERSON	<b>MS CONIDENCE MAYINGA</b>		CONTACT PERSON	<b>CAREY RAJAH</b>	
TELEPHONE NUMBER	<b>012 336 8647</b>		TELEPHONE NUMBER	<b>012 336 8130</b>	
CELLPHONE			CELLPHONE		
E-MAIL ADDRESS	<a href="mailto:MayingaC@dws.gov.za">MayingaC@dws.gov.za</a>		E-MAIL ADDRESS	<a href="mailto:RajahC@dws.gov.za">RajahC@dws.gov.za</a>	
<b>SUPPLIER INFORMATION</b>					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		<b>OR</b>	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	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>					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]	
<b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>					

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?

YES  NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA?

YES  NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

YES  NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?

YES  NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?

YES  NO

**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.**

**PART B  
TERMS AND CONDITIONS FOR BIDDING**

**1. BID SUBMISSION:**

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

**2. TAX COMPLIANCE REQUIREMENTS**

- 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](http://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."

**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:.....

PRICING SCHEDULE – FIRM PRICES  
(PURCHASES)

**NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED**

**IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT**

Name of bidder..... Bid number W11466  
Closing Time 11:00 Closing date: 20 May 2024

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF BID.

**SUPPLY, DELIVER, SERVICE AND MAINTENANCE (CALLIBRATION) OF DEFORMATION MONITORING SURVEY EQUIPMENTS.**

ITEM NO	QUANTITY	DESCRIPTION:	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.	2	High Precise Motorized Total Stations with ATR Accessories: 2x Internal Batteries Li-Po cells 2x Chargers: AC/DC Intelligent Li-Po 2x USB Sticks 8GB for downloading 2x MSD1000 SD Memory Card 1GB	Unit price: R..... Total price: R.....
2.	1	Full Set of RTK Glonass GPS System	Unit price: R..... Total price: R.....
3.	2	Internal Batteries Li-Po cells	Unit price: R..... Total price: R.....
4.	6	USB Sticks 8GB for downloading	Unit price: R..... Total price: R.....

5.	1	External battery with Power Cable and external power supply cable	Unit price: R..... Total price: R.....
6.	1	5 Year Maintenance plan TM Monitoring Silver CCP	Unit price: R..... Total price: R.....
7.	10	Mini Prism set mounted in Prism Holder 17.5mm Prism Constant with 1.0mm centering accuracy	Unit price: R..... Total price: R.....
8.	20	Circular Prism 0.0mm Prism Constant with 0.3mm centering accuracy.	Unit price: R..... Total price: R.....
9.	20	Prism Carrier with optical Plummet accuracy 0.5mm at 1.5m	Unit price: R..... Total price: R.....
10.	20	Tibrachs with optical plummet, One-foot screw to be removed to ensure a fixed height difference	Unit price: R..... Total price: R.....
11.	10	Prism Container for multi prism range	Unit price: R..... Total price: R.....
12.	5	Blackstrip for all containers with suitable mountings	Unit price: R..... Total price: R.....
13.	100	Reflective stickers 20mmX20mm.	Unit price: R..... Total price: R.....
14.	2	Compact Flash 32MB	Unit price: R..... Total price: R.....
15.	2	CF Card adaptor	Unit price: R..... Total price: R.....
16.	4	Li-Ion Battery	Unit price: R..... Total price: R.....

17.	2	Infinity Complete. Terrestrial Bundle (NI) Deformation Software	Unit price: R..... Total price: R.....
18.	2	3m Invar Digital Staff	Unit price: R..... Total price: R.....
19.	1	1.8m Invar Digital Staff	Unit price: R..... Total price: R.....
20.	2	MSD1000 SD Memory Card 1GB	Unit price: R..... Total price: R.....

- Required By : .....
- At:.....  
.....
- Brand and Model.....
- Country of Origin.....
  
- Does the offer comply with the specification (s)? YES / NO
- If not to specification, indicate deviation ( s) .....
- Period Required for delivery .....
- \*Delivery : Firm / Not Firm
  
- Delivery Basis .....

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

\*\*All applicable taxes includes value added tax, PAYE, income TAX, unemployment insurance fund contributions, and skills development levies.

**BIDDER'S DISCLOSURE**

**1. PURPOSE OF THE FORM**

Any person (natural or juristic) may make an offer or offers in terms of his invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

**2. Bidder's declaration**

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
 .....

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.



directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.5 There have been no consultations, communications, agreements, or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.6 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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature Date

.....  
Position Name of bidder

## PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022**

### 1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

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

#### 1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the 80/20 preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

#### 1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in

any manner required by the organ of state.

## 2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

## 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

### 3.1. POINTS AWARDED FOR PRICE

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

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

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

80/20                      or                      90/10

Where

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

$P_t$  = Price of tender under consideration

$P_{min}$  = Price of lowest acceptable tender

### 3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

#### 3.2.1. POINTS AWARDED FOR PRICE

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

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

80/20                      or                      90/10

Where

- Ps = Points scored for price of tender under consideration  
Pt = Price of tender under consideration  
Pmax = Price of highest acceptable tender

#### **4. POINTS AWARDED FOR SPECIFIC GOALS**

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
  - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**  
**(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.**

**Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)**

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
<b>Women</b>	5	
<b>People with disability</b>	5	
<b>Youth (35 and below)</b>	5	
<b>Location of enterprise (Province)</b>	2	
<b>B-BBEE status level contributors from level 1 to 2 which are QSE or EME</b>	3	
<b>Total points for SPECIFIC GOALS</b>	<b>20</b>	

**DECLARATION WITH REGARD TO COMPANY/FIRM**

4.3. Name of company/firm.....

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that

the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I 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 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
  - (a) disqualify the person from the tendering 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 tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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, if deemed necessary.

..... <b>SIGNATURE(S) OF TENDERER(S)</b>	
<b>SURNAME AND NAME:</b>	.....
<b>DATE:</b>	.....
<b>ADDRESS:</b>	.....
	.....
	.....
	.....

**STANDARD EVALUATION CRITERIA IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022**

**THE 90/10 POINTS AWARDED FOR PRICE AND SPECIFIC GOALS**

The 90/10 Preferential Procurement System will be used in evaluating these bids:

<b>Evaluation element</b>	<b>Weighting (Points)</b>
SPECIFIC GOALS	80
PRICE	20
<b>Total</b>	<b>100</b>

**Price**

A maximum of 90 points are allocated for price on the following basis:

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

Where:

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

$P_t$  = Comparative price of bid under consideration

$P_{\min}$  = Comparative price of lowest acceptable bid

**Preference point system**

<b>SPECIFIC GOALS</b>	<b>NUMBER OF POINTS TO BE ALLOCATED</b>
Women	2
People with disability	2
Youth (35 and below)	2
Location of enterprise (Province)	1
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	3
<b>Total points for SPECIFIC GOALS</b>	<b>10</b>

Documents Requirement for verification of Points allocation: -

**Procurement Requirement**

Women  
Disability  
Youth  
Location

**Required Proof Documents**

Full CSD Report  
Full CSD Report  
Full CSD Report  
Full CSD Report

B-BBEE status level contributors from level 1 to 2 which are QSE or EME      Valid BBEE certificate/sworn affidavit  
Consolidated BEE certificate in cases of Joint  
Venture  
Full CSD Report

**The definition and measurement of the goals above is as follows:**

**Women, disability, and youth:**

This will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets this criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

**Location of enterprise**

Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

**B-BBEE status level contributors from level 1 to 2 which are QSE or EME**

Measured in terms of normal BBEE requirements.

**Note: Formula for calculating points for specific goals**

Preference points for entities are calculated on their percentage shareholding in a business, provided that they are actively involved in and exercise control over the enterprise. The following formula is prescribed:

$$PC = Mpa \times \frac{P\text{-own}}{100}$$

Where

**PC**= Points awarded for specific goal

**Mpa**= The maximum number of points awarded for ownership in that specific category

**P-own** = The percentage of equity ownership by the enterprise or business

**GOVERNMENT PROCUREMENT**  
**GENERAL CONDITIONS OF CONTRACT**  
**July 2010**

**NOTES**

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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## General Conditions of Contract

### 1. Definitions

1. The following terms shall be interpreted as indicated:
  - 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
  - 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
  - 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
  - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
  - 1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
  - 1.7 "Day" means calendar day.
  - 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
  - 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
  - 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
  - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.

- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

- 1.25 “Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.
- 2. Application**
- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.
- 3. General**
- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from [www.treasury.gov.za](http://www.treasury.gov.za)
- 4. Standards**
- 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
- 5. Use of contract documents and information; inspection.**
- 5.1 The supplier shall not, without the purchaser’s prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser’s prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier’s performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier’s records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
- 6. Patent rights**
- 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 7. Performance**
- 7.1 Within thirty (30) days of receipt of the notification of contract award,

**security**

the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
  - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
  - (b) a cashier's or certified cheque
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

**8. Inspections, tests and analyses**

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the

cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.

8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

**9. Packing**

9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

**10. Delivery and documents**

10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

10.2 Documents to be submitted by the supplier are specified in SCC.

**11. Insurance**

11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

**12. Transportation**

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

**13. Incidental services**

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties,

- provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

#### **14. Spare parts**

14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

#### **15. Warranty**

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser

may have against the supplier under the contract.

- 16. Payment**
- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.
- 17. Prices**
- 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.
- 18. Contract amendments**
- 18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.
- 19. Assignment**
- 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
- 20. Subcontracts**
- 20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.
- 21. Delays in the supplier's performance**
- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily

available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

**22. Penalties**

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

**23. Termination for default**

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the Supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the

envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

**24. Anti-dumping and countervailing duties and rights**

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him

- 25. Force Majeure**
- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
- 26. Termination for insolvency**
- 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.
- 27. Settlement of Disputes**
- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
  - (b) the purchaser shall pay the supplier any monies due the supplier.
- 28. Limitation of liability**
- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
- 29. Governing language** 29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
- 30. Applicable law** 30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
- 31. Notices** 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
- 32. Taxes and duties** 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
- 33. National Industrial Participation Programme (NIP)** 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
- 34. Prohibition of Restrictive practices** 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.



**water & sanitation**

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Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**

# **ANNEXURE A SPECIFICATIONS**

**SUPPLY, DELIVER, SERVICE AND MAINTENANCE  
(CALLIBRATION) OF DEFORMATION MONITORING  
SURVEY EQUIPMENTS.**

**APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, DELIVERY, SERVICE AND MAINTAIN DEFORMATION MONITORING SURVEY EQUIPMENT FOR THE DIRECTORATE: SPATIAL INFORMATION (D:SI).**

**1. SPECIFICATIONS**

NO	DESCRIPTION	QUANTITY
1.1	<p><b>FULLY AUTOMATED MONITORING TOTAL STATION TS60 WITH SETS OF ANGLE FIRMWARE. CONTAINER AND CARRY BACKSTRIP</b></p> <p><b>ANGLE MEASUREMENT</b></p> <ul style="list-style-type: none"> <li>• Accuracy 1 Hz and V</li> <li>• Absolute, continuous, quadruple</li> <li>• 0.5" second (0.15 mgon)</li> </ul> <p><b>DISTANCE MEASUREMENT</b></p> <p><b>Range</b></p> <ul style="list-style-type: none"> <li>• Prism (GPR1, GPH1P) 3</li> <li>• 0.9 m to 3,500 m</li> <li>• Non-Prism / Any surface 4</li> <li>• 0.9 m to &gt;1,000 m</li> </ul> <p>Accuracy, measurement time</p> <ul style="list-style-type: none"> <li>• Single (prism) 2,5</li> <li>• 0.6 mm + 1 ppm / typ. 2.4 s</li> </ul> <p>Laser dot size</p> <ul style="list-style-type: none"> <li>• Single (any surface) 2,4,5,6: 2 mm + 2 ppm / typ. 2 s 9</li> <li>• At 50m : 8mm x 20mm</li> </ul> <p>Measurement Technology</p> <ul style="list-style-type: none"> <li>• System analyser: Coaxial, visible red laser</li> </ul> <p><b>TRIBRACH</b> With one fixed foot screw (nonadjustable)</p> <ul style="list-style-type: none"> <li>• All Tribachs to be calibrated to precisely the same height as that of the Prism Tribacht.</li> </ul> <p><b>IMAGING</b></p> <ul style="list-style-type: none"> <li>• Sensor: 5-megapixel CMOS sensor</li> <li>• Field of view (overview / telescope): 19.4° / 1.5°</li> <li>• Frame rate: Up to 20 frames per second</li> </ul> <p><b>MOTORISATION</b></p> <p>Direct drives based on Piezo technology</p> <ul style="list-style-type: none"> <li>• Maximum 200 gon (180°) per s / typically 2.9 s</li> <li>• Rotation speed / Time to change face</li> </ul> <p><b>AUTOMATIC TARGET AIMING - LONG RANGE ATR- plus</b></p> <p>Target Aiming Range</p> <ul style="list-style-type: none"> <li>• Circular prism (GPR1, GPH1P): 3,000 m</li> <li>• 360° prism (GRZ4, GRZ122): 1,500 m</li> </ul> <p>Accuracy 1.2/ Measurement time</p> <ul style="list-style-type: none"> <li>• ATRplus angle accuracy Hz, V: 0.5" (0.15 mgon)</li> </ul> <p><b>GENERAL</b></p> <p>Operating System/Field Software</p> <ul style="list-style-type: none"> <li>• Windows EC7 /ca Captivate with apps</li> </ul> <p>Processor</p> <ul style="list-style-type: none"> <li>• TI OMAP4430 1GHz Dual-core ARM® Cortex™- A9 MPCore™</li> </ul> <p>Autofocus Telescope</p>	Two (2)

	<ul style="list-style-type: none"> <li>• Magnification / Focus Range: 30 x / 1.7m to infinity</li> </ul> <p><b>DISPLAY AND KEYBOARD</b></p> <ul style="list-style-type: none"> <li>• 5"(inch), WVGA, colour, touch, Face 1 standard, <b>Face 2 required</b></li> <li>• 37 keys, illumination</li> </ul> <p><b>OPERATION</b></p> <ul style="list-style-type: none"> <li>• 3x endless drives, 1x Servofocus drive, 2x Autofocus keys 8, user definable SmartKey</li> </ul> <p><b>Power Management</b></p> <ul style="list-style-type: none"> <li>• Exchangeable Lithium-Ion battery with internal charging capability</li> <li>• Operating Time up to 9 h</li> <li>• Charger</li> <li>• <b>External Battery</b></li> <li>• <b>With GEV270 External Power Cable and</b></li> <li>• <b>GEV270 External Power supply cable</b></li> </ul> <p><b>DATA STORAGE</b></p> <ul style="list-style-type: none"> <li>• Internal memory: 2 GB</li> <li>• Memory card: SD card 1 GB or 8 GB</li> <li>• USB Sticks 8GB for downloading</li> </ul> <p><b>INTERFACES</b></p> <ul style="list-style-type: none"> <li>• RS232, USB, Bluetooth®, WLAN</li> </ul> <p><b>WEIGHT</b></p> <ul style="list-style-type: none"> <li>• Total station including battery: 7.2 kg</li> </ul> <p><b>ADDITIONAL FIRMWARE</b></p> <ul style="list-style-type: none"> <li>• Sets of Angle</li> </ul> <p><b>ENVIRONMENTAL SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Working temperature range: -20°C to +50°C</li> <li>• Dust &amp; Water (IEC 60529) / Blowing rain.</li> <li>• IP65 / MIL-STD-810G, Method 506.5-I</li> </ul> <p><b>HUMIDITY</b></p> <ul style="list-style-type: none"> <li>• 95%, non-condensing</li> </ul> <p><b>INSTRUMENT CARRIER WITH BACKSTRIP</b></p> <p><b>MAINTENANCE PLAN</b></p> <ul style="list-style-type: none"> <li>• 5 Year TM Monitoring Silver CCP</li> <li>• Instrument to be serviced, repaired, and calibrated once a year for 5 years.</li> </ul>	<p><b>Four (4)</b></p> <p><b>One (1)</b></p> <p><b>Four (4)</b> <b>Eight (8)</b></p> <p><b>Five (5) years</b></p>
1.2	<p><b>PRISM GMP101</b></p> <ul style="list-style-type: none"> <li>• Mini Prism set mounted in Prism Holder.</li> <li>• Circular bubble.</li> <li>• Removable target plate.</li> <li>• Spike and Padded bag</li> <li>• Prism Constant +17.5 mm</li> <li>• Accuracy 1.0mm</li> <li>• Range 2000m</li> </ul>	<p><b>Ten (10)</b></p>

	<b>PRISM GPH1P</b> <ul style="list-style-type: none"> <li>• Single prism precision reflector</li> <li>• Professional 5000</li> <li>• Centring accuracy 0.3mm</li> </ul>	<b>Twenty (20)</b>
<b>1.3</b>	<b>PRISM CARRIERS GZR3</b> <ul style="list-style-type: none"> <li>• Prism carriers with optical plummet accuracy 0.5mm at 1.5m</li> <li>• Professional 5000</li> <li>• Reflector centring accuracy 0.3mm</li> </ul>	<b>Twenty (20)</b>
<b>1.4</b>	<b>TRIBRACH GDF 322</b> <ul style="list-style-type: none"> <li>• Tribrach with optical plummet</li> <li>• Professional 5000</li> <li>• Torsional stiffness &lt;1”</li> <li>• Weight 760 grams</li> <li>• <b>With one fixed foot screw (nonadjustable)</b> <b>All Tribraachs to be calibrated to precisely the same height.</b></li> </ul>	<b>Twenty (20)</b>
<b>1.5</b>	<b>PRISMS CONTAINER</b> <ul style="list-style-type: none"> <li>• For 2 reflectors each (GPR121, GPR111&amp; GPH1P) with</li> <li>• For 2 CARRIERS GPR121, GPR111&amp; GPH1P)</li> <li>• For 2 TRIBRACHS (all types) GZT4 Target plate and GHM007 Height meter.</li> </ul>	<b>Ten (10)</b>
<b>1.6</b>	<b>GDZ66 Blackstrap</b>	<b>Five (5)</b>

	<ul style="list-style-type: none"> <li>• Set of two back straps, for all containers with suitable mountings.</li> <li>• The container can be opened while the straps are attached.</li> </ul>	
1.7	<p><b>GZM30 Reflective stickers.</b></p> <ul style="list-style-type: none"> <li>• Self-adhesive reflective tapes</li> </ul>	<p><b>Five (5) Packs of twenty (20) 100 in total.</b></p>
1.8	<p><b>FULL SET OF RTK GLONASS GPS SYSTEM</b></p> <p><b>MEASUREMENT PERFORMANCE &amp; ACCURACY</b></p> <ul style="list-style-type: none"> <li>• GS18 I LTE Performance GNSS</li> <li>• Smart Antenna. Geodetic 555 channels GNSS receiver with integrated LTERTK modem, IMU module and camera. Includes multi-frequency, 20 Hz position rate, Raw data logging, RTK unlimited, RTK Network, Reference station setup. Easily upgradeable with GS18 options (e.g. Glonass, Galileo) Transformation applications.</li> <li>• Time for initialisation Typically 4 s Real-time kinematic (Compliant to ISO17123-8 standard) Single baseline Network RTK Hz 8 mm + 1 ppm / V 15 mm + 1 ppm Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm</li> <li>• Real-time kinematic tilt compensated Topographic points (not for control points) Additional Hz uncertainty max 8 mm + 0.4 mm/° tilt down to 30° tilt Post processing Static (phase) with long observations Static and rapid static (phase) Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm Code differential DGNSS Hz 25 cm / V 50 cm</li> <li>• Image point measurement 1-click measurement in field / office Typically 2 cm – 4 cm (2D1), within the distance of 2 m to 10 m to the object</li> <li>• Carrier with 5/8 inch screw, GNSS antenna screws on directly.</li> <li>• LTE Field Controller. Ruggedized field controller with</li> <li>• 5" WVGA touch display, 4GB eMMC</li> <li>• Flash Memory, 2GB SDRAM, SD card slot, 5MP camera and LED flash. Includes internal Bluetooth/WLAN module, 4G GSM/UMTS/LTE module, internal TS communication module, QWERTY keypad, stylus.</li> <li>• 896293 1 PC. CS20 GS Sensor License key which allows the survey and stakeout apps to be used on a CS20 field controller connected to a total station or GNSS sensor.</li> </ul>	<p><b>Two (2) Base and Rover Receivers.</b></p> <p><b>One (1) 2m Fibre Pole.</b></p> <p><b>One (1) Captivate Touch Screen Controller with onboard Software.</b></p> <p><b>One (1) Battery Charger/with multiple Batteries.</b></p> <p><b>One (1) External Battery with Charging Cables.</b></p> <p><b>One (1) Heavy Duty Tripod</b></p> <p><b>One (1) Carry Case Box.</b></p>
1.9	<p><b>COMMUNICATIONS</b></p> <ul style="list-style-type: none"> <li>• Communication ports Lemo / Bluetooth® / WLAN USB and RS232 serial / Bluetooth® v2.1 + EDR, class 1.5 /802.11 b/g for field controller communication only</li> <li>• Communication protocols RTK data protocols NMEA output</li> <li>• Network RTK 4G, , CMR, CMR+, RTCM 2.2, 2.3., 3.0, 3.1, 3.2 MSM NMEA 0183 v4.00 &amp; v4.10 and proprietary VRS, FKP, iMAX, MAC (RTCM SC 104) Built-in LTE modem LTE frequency bands UMTS frequency bands</li> <li>• GSM frequency bands</li> <li>• Penta Band (20, 8, 3, 7, 1) / Penta Band (13, 17, 5, 4, 2) Tri Band (900/1800/2100 MHz) / Tri Band</li> </ul>	

	<p>(1700/1900/2100 MHz)4Dual Band (900/1800 MHz / Quad Band (850/900/1800/1900 MHz)4</p> <ul style="list-style-type: none"> <li>• Built-in UHF modem5 Receive &amp; transmit UHF radio modem 403 – 473 MHz, channel spacing 12.5 kHz, 20 kHz, 25 kHz, max. 1 W output power up to 28800 bps over air</li> </ul>	
1.10	<p><b>IMAGING</b></p> <ul style="list-style-type: none"> <li>• Measuring camera</li> <li>• Sensor   Field of view   Video frame rate</li> <li>• Global shutter with 1.2 MP   Hz 80°, V 60°   20 Hz 2 Hz capturing rate</li> <li>• Max. capturing time: 60 s, size of an image group appr. 50 MB</li> </ul> <p><b>Point cloud</b></p> <ul style="list-style-type: none"> <li>• Infinity software</li> <li>• Derive point clouds from image groups</li> </ul>	
1.11	<p><b>GENERAL</b></p> <ul style="list-style-type: none"> <li>• Field controller and software Captivate software CS20 LTE &amp; BASIC field controller, CS35 tablet</li> <li>• User interface Buttons and LEDs Web server</li> <li>• On / Off and Function button, 8 status LEDs</li> <li>• Full status information and configuration options</li> </ul> <p><b>DATA RECORDING STORAGE</b></p> <ul style="list-style-type: none"> <li>• Data type and recording rate Removable SD card, 8 GB</li> <li>• GNSS raw data and RINEX data at up to 20 Hz</li> </ul> <p><b>POWER MANAGEMENT</b></p> <ul style="list-style-type: none"> <li>• Power Supply Configuration With following configuration:</li> <li>• Charger Pro 5000</li> <li>• Professional charger to charge up to 4xLi-Ion batteries GEB211/212, GEB221/222,</li> <li>• GEB241/242, GEB331/333 and GEB361/363, AC adapter included.731441 1 PC. AC power cable 2-pole UK, to charger 1420 1 PC. CS20 Captivate</li> <li>• External power supply Operation time6</li> <li>• Exchangeable Li-Ion battery (2.8 Ah / 11.1 V)</li> <li>• Nominal 12 V DC, range 10.5 – 26.4 V DC</li> <li>• Typical operating time up to 8 h. Operating time depends on use</li> <li>• GEV270 External Power Cable.</li> </ul> <p><b>WIRELESS COMMUNICATION DEVICES.</b></p> <ul style="list-style-type: none"> <li>• Weight and dimensions Weight   Dimensions 1.25 kg / 3.55 kg standard RTK rover setup on pole   173 mm x 173 mm x 109 mm</li> <li>• Environmental Temperature Drop Proof against water, sand and dust Vibration Humidity Functional shock-30 to +50°C operating with camera, -40 to +65°C operating without camera, -40 to +85°C storage</li> <li>• Withstands topple over from a 2 m survey pole onto hard surfaces</li> <li>• IP66 / IP68 (IEC60529 / MIL STD 810G CHG-1 510.6 I / MIL STD 810GCHG-1 506.6 II, MIL STD 810G CHG-1 512.6 I) Withstands strong vibration (ISO9022-36-08 / MIL STD 810G 514.6 Cat.24)95% (ISO9022-13-06 / ISO9022-12-04 / MIL STD 810G CHG-1 507.6 II)40 g / 15 to 23 msec (MIL STD 810G 516.6 I)</li> </ul>	

1.12	<b>MCF32 Compact Flash 32MB</b> <ul style="list-style-type: none"> <li>• Compact Flash memory card capacity 32MB</li> </ul>	<b>Two (2)</b>
1.13	<b>MCFADI CF Card adaptor</b> <ul style="list-style-type: none"> <li>• Adapts a Compact flash card to PCMCIA Size.</li> <li>• Allows use of 32 MB CF-Card in DNA03</li> </ul>	<b>Two (2)</b>
1.14	<b>INFINITY COMPLETE. TERRESTRIAL BUNDLE (NL)</b>  Infinity is the user-friendly office software suite for the measurement professional. It is designed to manage, process, analyse and quality check all field survey measure data, including total stations, digital levels. <b>818015</b>	<b>Two (2)</b>
1.15	<b>3m Invar Digital Staff</b> <ul style="list-style-type: none"> <li>• GPCL2 Invar Staff with Bar Code (3.0m Long) AT No 563 659</li> </ul>	<b>Two (2)</b>
1.16	<b>1.8m Invar Digital Staff</b> <ul style="list-style-type: none"> <li>• GPCL2 Invar Staff with Bar Code (1.8m Long) AT No 563 659</li> </ul>	<b>One (1)</b>

<p><b>1.17</b></p>	<p><b>MS1 1GB USB Memory Stick</b></p> <p>The RISC controllers integrated into the cards offer improved product features, such as inbuilt error correction, automatic block management, power loss data protection and low power settings.</p> <ul style="list-style-type: none"> <li>• The specially designed casings provide the best possible mechanical protection against bending or other imposed loads.</li> <li>• The construction of the casings of industrial cards render them insensitive to the effects of electrostatic charges.</li> <li>• The gold coatings on the contact surfaces are many times thicker than those of standard cards and are designed to be inserted at least 10,000 times.</li> <li>• Power loss protection prevents data loss in the event of a sudden power failure.</li> </ul>	<p><b>Eight (8)</b></p>
<p><b>1.18</b></p>	<p><b>MSD1000 SD Memory Card 1GB</b></p> <p>MSD1000 1GB industrial grade SD card for CS10 and CS15 field controllers. 767856</p> <p>Loosing data due to faulty storage media is frustrating and costly.</p> <p>Industrial-grade cards are specially developed, manufactured and tested to withstand extreme environmental conditions.</p> <p>The electronic accessories from Geosystems comply with a higher standard than the commercially available accessories that meet consumer or even industry standards.</p> <p>The RISC controllers integrated into the cards offer improved product features, such as inbuilt error correction, automatic block management, power loss data protection and low power settings.</p> <ul style="list-style-type: none"> <li>• The specially designed casings provide the best possible mechanical protection against bending or other imposed loads.</li> <li>• The construction of the casings of industrial cards render them insensitive to the effects of electrostatic charges.</li> <li>• The gold coatings on the contact surfaces are many times thicker than those of standard cards and are designed to be inserted at least 10,000 times.</li> </ul>	<p><b>Four (4)</b></p>

## 2. SERVICE AND MAINTENANCE

NO.	DESCRIPTION- SERVICE AND MAINTENANCE	SERVICE
1.	<b>TS60 Automatic Total Station 0,5" with Sets of Angle firmware</b> With "Sets of Angle" firmware with Service and Maintenance with annual calibration certificate	<b>5 Years</b>
2.	<b>RTK GLONASS GPS SYSTEM</b>	N/A
3.	<b>Deformation Software – Training and Support</b> <ul style="list-style-type: none"> <li>• <b>Training</b></li> <li>• <b>Support</b> (Telephonic and or virtual)</li> </ul>	<b>1 Week</b>  <b>First 6 Months</b>
4.	<b>GPH1P Circular Prism 0mm Constant</b> With <b>Tribrach</b> (Prism Holder)	N/A
5.	<b>GMP101 Mini prism 17.5mm Constant</b>	N/A
6.	<b>1.8m Digital Invar Bar Code Staff</b>	N/A
7.	<b>3m Digital Invar Bar Code Staff</b>	N/A

### 3. ADMINISTRATIVE COMPLIANCE

Please note that all bidders must comply with the following administrative compliance.

No.	Name of the document that must be submitted	Requirements
1	Invitation to bid –SBD 1	Please complete and sign the supplied <i>pro forma</i> document.
2	Registration with Central Supplier Database (CSD) as per National Treasury SCM Instruction 4 of 2015/17 par 5.2	Attach proof of print out as proof of registration or supplier number.
3	Pricing Schedule – SBD 3.1	Please submit full details of pricing as per the SBD Pricing Schedule
4	Declaration of Interest – SBD 4	Please complete and sign the supplied <i>pro forma</i> document.
5	Preference Point Claim Form – SBD 6.1	Non-submission will lead to a zero score on specific goals.

### 4. EVALUATION CRITERIA

Department of Water and Sanitation will evaluate all proposals in terms of the Preferential Procurement Regulations 2022. In accordance with the Preferential Procurement Regulations 2022, submissions will be adjudicated on 80/20 points system and the evaluation criteria. Three phase evaluation criteria will be considered in evaluating the bid. On the receipt of the proposals, the evaluation criteria shown below will be used for the selection of the most suitable bidder to undertake the assignment.

#### PHASE 1: MANDATORY REQUIREMENT

Please note that all bidders must comply with the following mandatory requirements- Bidders who do not comply with the below requirement will be disqualified.

No	Criteria	Yes	No
1	Attach manufacturer Certificate of compliance or Letter of distribution with a catalogue of the equipment offered.		

## PHASE 2: SPECIFICATION OR TECHNICAL COMPLIANCE

### Compliance requirements:

- Indicate by marking the relevant column, if you mark on both columns, it will be considered as non-compliance. A bidder who fails to comply with the specification requirements will be disqualified and not considered for further evaluation.

### A: Requirement per unit

DESCRIPTION	COMPLY	NOT COMPLY
<p>1. Angle Measurements</p> <p>Accuracy (standard deviation, ISO 17123-3)</p> <p>- Horizontal, Vertical : 0.5" or better</p> <p>- Display resolution : 0.1" or better</p>		
<p>2. Compensator</p> <p>- Working range : 1' or better</p> <p>- Setting accuracy : 0.5" or better</p>		
<p>3. Distance measurement (With Prism)</p> <p>Range (average atmospheric conditions)</p> <p>- Round prism : 3500m or better</p> <p>- 360° reflector : 1500m or better</p> <p>- Mini prism : 1200m or better</p> <p>- Shortest distance : 0.9m or better</p> <p>Accuracy/measurement time (standard deviation, ISO 17123-4)</p> <p>- Precise : 0.6mm + 1ppm / ±4s or better (≤1000m)</p> <p>- Standard Mode : 0.6 mm + 1 ppm / typ. 2.4 s</p> <p>- Display resolution : 0.1mm</p>		

<p>4. Distance measurement (Reflectorless)</p> <p>Laser Dot Size</p> <ul style="list-style-type: none"> <li>- 50 metre : 8 x 20mm or better</li> </ul> <p>Range (average atmospheric conditions)</p> <ul style="list-style-type: none"> <li>- Non Prism : 1000m or better</li> <li>- Shortest distance : 1.5m or better</li> </ul> <p>Accuracy/measurement time (standard deviation, ISO 17123-4)</p> <ul style="list-style-type: none"> <li>- Standard Mode (Non Prism) : 2.0mm + 2ppm / ±4s or better (≤500m)</li> <li>- Display resolution : 0.1mm</li> </ul>		
<p>5. Automatic Target Recognition (ATR)</p> <p>Range (average atmospheric conditions)</p> <ul style="list-style-type: none"> <li>- Round prism : 3000m or better</li> <li>- 360° reflector : 1500m or better</li> <li>- Shortest measurable distance : 2m or better</li> </ul> <p>Accuracy / measurement time</p> <ul style="list-style-type: none"> <li>- Positioning : 1 mm or better</li> <li>- Angle Horizontal &amp; Vertical : 0.5" or better</li> </ul> <p>Searching</p> <ul style="list-style-type: none"> <li>- Search time in field of view : 4 seconds or better</li> <li>- Minimum spacing between prisms at 200m : 0.3m or better</li> <li>- Must have a Definable search window</li> <li>- Powersearch and prism lock function</li> <li>- Electronic guide light for aiming</li> </ul>		

6. Dual face Touch/keyboard display with alpha numeric keyboard		
7. Motorization – direct drive with a rotating speed 180°/sec or better		
8. Imaging <ul style="list-style-type: none"> <li>- Overview and Telescope camera: 5 megapixel or better</li> <li>- Frame rate: 10 frames per second or better</li> <li>- Camera function must be activated</li> </ul>		
9. High precision maintenance free tri-brachs <ul style="list-style-type: none"> <li>- Torsional stiffness of 1" or less</li> <li>- Suitable for angle measurements of under 3" accuracy           <ul style="list-style-type: none"> <li>- One-foot screw to be removed to ensure a fixed height difference</li> </ul> </li> </ul>		
10. Laser plummet		
11. Facilitate the download/upload of on-board applications from a PC		
12. Facilitate the recording of data from an external data recorder, as well as excepting instrument operating commands from the external device.		
13. Data storage <ul style="list-style-type: none"> <li>- Internal 2GB or better</li> <li>- Memory card 8GB or better</li> </ul>		

<p>14. Include transfer cables length &gt;1m, for:</p> <ul style="list-style-type: none"> <li>- RS232 data transfer (Limo to 9 pin serial)</li> <li>- USB connector for data transfer to PC</li> </ul>		
<p>15. Communications</p> <p>Communication licenses musty be included for,</p> <ul style="list-style-type: none"> <li>- RS232</li> <li>- USB</li> <li>- WLAN</li> <li>- Bluetooth wireless</li> </ul>		
<p>16. Field software – onboard</p> <ul style="list-style-type: none"> <li>- Set of angles</li> <li>- Resections</li> <li>- Traverse</li> <li>- Stakeout</li> <li>- Monitoring with multiple Arcs in both faces (Circle L &amp; R)</li> </ul>		
<p>17. Instrument must have Autofocus function</p>		
<p>18. Single battery operating time: 8hrs or better</p>		
<p>19. Dust and waterproof rating: IP65 or better</p>		

DESCRIPTION	COMPLY	NOT COMPLY
<p><b>20. FULL SET OF RTK GLONASS GPS SYSTEM</b></p> <ul style="list-style-type: none"> <li>- Base and Rover Receivers.</li> <li>- 2m Fibre Pole.</li> <li>- Captivate Touch Screen Controller with onboard Software.</li> <li>- Battery Charger/with multiple Batteries.</li> <li>- External Battery with Charging Cables.</li> <li>- Heavy Duty Tripod</li> <li>- Carry Case Box.</li> </ul>		
<p><b>21. MEASUREMENT PERFORMANCE &amp; ACCURACY</b></p> <p><b>Smart Antenna. Geodetic 555 channels GNSS receiver with integrated LTERTK modem, IMU module and camera. Includes multi-frequency, 20 Hz position rate, Raw data logging, RTK unlimited, RTK Network, Reference station setup. Easily upgradeable with GS18 options (e.g. Glonass, Galileo) Transformation applications</b></p> <ul style="list-style-type: none"> <li>- Time for initialisation Typically 4 s Real-time kinematic (Compliant to ISO17123-8 standard) Single baseline Network RTK Hz 8 mm + 1 ppm / V 15 mm + 1 ppm Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm</li> <li>- Real-time kinematic tilt compensated Topographic points (not for control points) Additional Hz uncertainty max 8 mm + 0.4 mm/° tilt down to 30° tiltPost processing Static (phase) with long observations Static and rapid static (phase)Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm Code differential DGNSS Hz 25 cm / V 50 cm</li> </ul>		

<p><b>22. COMMUNICATIONS</b></p> <ul style="list-style-type: none"> <li>- Communication ports Lemo / Bluetooth® / WLAN USB and RS232 serial / Bluetooth® v2.1 + EDR, class 1.5 /802.11 b/g for field controller communication only</li> <li>- Network RTK 4G, , CMR, CMR+, RTCM 2.2, 2.3., 3.0, 3.1, 3.2 MSM NMEA 0183 v4.00 &amp; v4.10 and proprietary VRS, FKP, iMAX, MAC (RTCM SC 104) Built-in LTE modem LTE frequency bands UMTS frequency bands</li> <li>- Penta Band (20, 8, 3, 7, 1) / Penta Band (13, 17, 5, 4, 2)4Tri Band (900/1800/2100 MHz) / Tri Band (1700/1900/2100 MHz)4Dual Band (900/1800 MHz) / Quad Band (850/900/1800/1900 MHz)4</li> <li>- Built-in UHF modem5 Receive &amp; transmit UHF radio modem 403 – 473 MHz, channel spacing 12.5 kHz, 20 kHz, 25 kHz, max. 1 W output power up to 28800 bps over air</li> </ul>		
<p><b>23. WIRELESS COMMUNICATION DEVICES.</b></p> <ul style="list-style-type: none"> <li>- Weight and dimensions Weight   Dimensions 1.25 kg / 3.55 kg standard RTK rover setup on pole   173 mm x 173 mm x 109 mm</li> <li>-</li> <li>- IP66 / IP68 (IEC60529 / MIL STD 810G CHG-1 510.6 I / MIL STD 810GCHG-1 506.6 II, MIL STD 810G CHG-1 512.6 I) Withstands strong vibration (ISO9022-36-08 / MIL STD 810G 514.6 Cat.24)95% (ISO9022-13-06 / ISO9022-12-04 / MIL STD 810G CHG-1 507.6 II)40 g / 15 to 23 msec (MIL STD 810G 516.6 I)</li> </ul>		

**B: List of Equipment and Accessories to be supplied**

DESCRIPTION			Comply	Not Comply
Item no.	Quantity	Description	Yes	No
1.	2	<p>High Precise Motorized Total Stations with ATR</p> <p>Accessories:</p> <p>2x Internal Batteries Li-Po cells</p> <p>2x Chargers: AC/DC Intelligent Li-Po</p> <p>2x USB Sticks 8GB for downloading</p>		

		<b>2x MSD1000 SD Memory Card 1GB</b>		
<b>2.</b>	<b>1</b>	<b>Full Set of RTK Glonass GPS System</b>		
<b>3.</b>	<b>2</b>	<b>Internal Batteries Li-Po cells</b>		
<b>4.</b>	<b>6</b>	<b>USB Sticks 8GB for downloading</b>		
<b>5.</b>	<b>1</b>	<b>External battery with Power Cable and external power supply cable</b>		
<b>6.</b>	<b>1</b>	<b>5 Year Maintenance plan TM Monitoring Silver CCP</b>		
<b>7.</b>	<b>10</b>	<b>Mini Prism set mounted in Prism Holder 17.5mm Prism Constant with 1.0mm centering accuracy</b>		
<b>8.</b>	<b>20</b>	<b>Circular Prism 0.0mm Prism Constant with 0.3mm centering accuracy.</b>		
<b>9.</b>	<b>20</b>	<b>Prism Carrier with optical Plummet accuracy 0.5mm at 1.5m</b>		
<b>10.</b>	<b>20</b>	<b>Tribrachs with optical plummet, One-foot screw to be removed to ensure a fixed height difference</b>		
<b>11.</b>	<b>10</b>	<b>Prism Container for multi prism range</b>		
<b>12.</b>	<b>5</b>	<b>Blackstrip for all containers with suitable mountings</b>		
<b>13.</b>	<b>100</b>	<b>Reflective stickers 20mmX20mm.</b>		
<b>14.</b>	<b>2</b>	<b>Compact Flash 32MB</b>		
<b>15.</b>	<b>2</b>	<b>CF Card adaptor</b>		
<b>16.</b>	<b>4</b>	<b>Li-Ion Battery</b>		
<b>17.</b>	<b>2</b>	<b>Infinity Complete. Terrestrial Bundle (NI) Deformation Software</b>		

18.	2	3m Invar Digital Staff		
19.	1	1.8m Invar Digital Staff		
20.	2	MSD1000 SD Memory Card 1GB		

**NB: Bidders must achieve 100% compliance on the above specification. Bidders who do not achieve 100% compliance will be disqualified.**

**PHASE 3: THE 80/20 POINTS AWARDED FOR PRICE AND SPECIFIC GOALS**

The 80/20 Preferential Procurement System will be used in evaluating these bids:

<b>Evaluation element</b>	<b>Weighting (Points)</b>
<b>SPECIFIC GOALS</b>	<b>20</b>
<b>PRICE</b>	<b>80</b>
<b>Total</b>	<b>100</b>

**Price**

A maximum of 80 points are allocated for price on the following basis:

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

**Where:**

**P<sub>s</sub> = Points scored for comparative price of bid under consideration**

**P<sub>t</sub> = Comparative price of bid under consideration**

**P<sub>min</sub> = Comparative price of lowest acceptable bid**

## Preference point system

<b>SPECIFIC GOALS</b>	<b>NUMBER OF POINTS TO BE ALLOCATED</b>
<b>Women</b>	<b>5</b>
<b>People with disability</b>	<b>5</b>
<b>Youth (35 and below)</b>	<b>5</b>
<b>Location of enterprise (Province)</b>	<b>2</b>
<b>B-BBEE status level contributors from level 1 to 2 which are QSE or EME</b>	<b>3</b>
<b>Total points for SPECIFIC GOALS</b>	<b>20</b>

### Documents requirement for verification of points allocation:

<b>Procurement Requirement</b>	<b>Required Proof Documents</b>
<b>Women</b>	<b>Full CSD Report</b>
<b>Disability</b>	<b>Full CSD Report</b>
<b>Youth</b>	<b>Full CSD Report</b>
<b>Location</b>	<b>Full CSD Report</b>
<b>B-BBEE status level contributors from level 1 to 2 which are QSE or EME</b>	<b>Valid BBEE certificate/sworn affidavit</b> <b>Consolidated BEE certificate in cases of Joint Venture</b> <b>Full CSD Report</b>

### The definition and measurement of the goals above is as follows:

#### Women, disability, and youth:

This will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets this criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

## Location of enterprise

Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

B-BBEE status level contributors from level 1 to 2 which are QSE or EME

Measured in terms of normal BBBEE requirements.

Note: Formula for calculating points for specific goals

Preference points for entities are calculated on their percentage shareholding in a business, provided that they are actively involved in and exercise control over the enterprise.

The following formula is prescribed:

$$PC = \frac{Mpa \times P\text{-own}}{100}$$

Where

PC= Points awarded for specific goal

Mpa= The maximum number of points awarded for ownership in that specific category

P-own = The percentage of equity ownership by the enterprise or business

### 5. SPECIAL CONDITION:

- Upon delivery the Department reserve the right to inspect the equipment and satisfy itself with the correctness and accuracy of the equipment delivered, should the equipment not meet the requirement the Department can cancel the contract.

### 6. ENQUIRY DETAILS

For technical information contact:

Rajah Carey on 012 336 8130 / 7827