



agriculture & rural development

Department:
agriculture
& rural development
PROVINCE OF KWAZULU-NATAL

KWAZULU-NATAL DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

BID No: ZNB 4267/19A

DESCRIPTION OF SERVICE: SUPPLY, DELIVERY, OFFLOAD AND INSTALLATION OF IRRIGATION AT ZETHENJWA PROJECTS

NAME OF BIDDER: _____

Compulsory briefing session

Venue	Department of Agriculture Inkosi Langalibalele Local office, Albert street, Estcourt
Date	18-07-2019
Time	13:00

PREQUALIFICATION CRITERIA

Only tenderers who meet the following prequalification criteria may respond: -

- (i) BBBEE level 1 (as per the provisions of section 4(1) (a) of the PPPFA Regulations, 2017); and
- (ii) EME (as per the provisions of section 4(1) (b) of the PPPFA Regulations, 2017)
- (iii) CIDB 3 SH or CE

Return of Bid:

Bid must be deposited in the bid box situated at Department of Agriculture and Rural Development, Supply Chain Management, 1 Cedara Road, Cedara, 3200 or send by post to The Director: Supply Chain Management, Private Bag X9059, Pietermaritzburg, 3200. Tel: **(033) 343 8225** before **11:00** am on the closing date: **01/08/2019**

Issued by:

The Department of Agriculture and Rural Development
1 Cedara Road
Cedara
3200

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Bidders are to check that all pages and forms are included in the bid documentation and notify the Department immediately if any pages or sections are missing

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	ZNB4267/19A	CLOSING DATE:	01/08/2019	CLOSING TIME:	11:00 AM
DESCRIPTION	Supply, Delivery, Offload and Installation of irrigation at Zethenjwa Project				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
Supply Chain Management					
1 Cedara Road					
Cedara, 3200					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Mr Mandla Ndlela		CONTACT PERSON	MR Thulani Masengeni	
TELEPHONE NUMBER	033 343 8225		TELEPHONE NUMBER	076 937 3469	
FACSIMILE NUMBER	n/a		FACSIMILE NUMBER	n/a	
E-MAIL ADDRESS	Mandla.ndlela@kzndard.gov.za		E-MAIL ADDRESS	n/a	
SUPPLIER INFORMATION					
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:		OR	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	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
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]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
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		
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, 2017, 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 .
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:.....

**SPECIAL INSTRUCTIONS AND NOTICES TO BIDDERS REGARDING THE
COMPLETION OF BIDDING FORMS**

PLEASE NOTE THAT THIS BID IS SUBJECT TO TREASURY REGULATIONS 16A ISSUED IN TERMS OF THE PUBLIC FINANCE MANAGEMENT ACT, 1999, THE KWAZULU-NATAL SUPPLY CHAIN MANAGEMENT POLICY FRAMEWORK AND THE GENERAL CONDITIONS OF CONTRACT.

1. Unless inconsistent with or expressly indicated otherwise by the context, the singular shall include the plural and vice versa and with words importing the masculine gender shall include the feminine and the neuter.
2. Under no circumstances whatsoever may the bid forms be retyped or redrafted. Photocopies of the original bid documentation may be used, but an original signature must appear on such photocopies.
3. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
4. Bids submitted must be complete in all respects.
5. Bids shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the bid documents.
6. Each bid shall be addressed in accordance with the directives in the bid documents and shall be lodged in a separate sealed envelope, with the name and address of the bidder, the bid number and closing date indicated on the envelope. The envelope shall not contain documents relating to any bid other than that shown on the envelope. If this provision is not complied with, such bids may be rejected as being invalid.
7. All bids received in sealed envelopes with the relevant bid numbers on the envelopes are kept unopened in safe custody until the closing time of the bids. Where, however, a bid is received open, it shall be sealed. If it is received without a bid number on the envelope, it shall be opened, the bid number ascertained, the envelope sealed and the bid number written on the envelope.
8. A specific box is provided for the receipt of bids, and no bid found in any other box or elsewhere subsequent to the closing date and time of bid will be considered.
9. No bid sent through the post will be considered if it is received after the closing date and time stipulated in the bid documentation, and proof of posting will not be accepted as proof of delivery.
10. No bid submitted by telefax, telegraphic or other electronic means will be considered.
11. Bidding documents must not be included in packages containing samples. Such bids may be rejected as being invalid.
12. Any alteration made by the bidder must be initialed.
13. Use of correcting fluid is prohibited
14. Bids will be opened in public as soon as practicable after the closing time of bid.
15. Where practical, prices are made public at the time of opening bids.
16. If it is desired to make more than one offer against any individual item, such offers should be given on a photocopy of the page in question. Clear indication thereof must be stated on the schedules attached.

PRICING SCHEDULE

NAME OF BIDDER: _____	BID NO.: ZNB4267/19A
CLOSING DATE: 01/08/ 2019	CLOSING TIME 11:00

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

BID NUMBER	DESCRIPTION	BID PRICE IN RSA CURRENCY *(All applicable taxes included)
ZNB4267/18A	SUPPLY, DELIVERY, OFFLOAD AND INSTALLATION OF IRRIGATION AT ZETHENJWA PROJECTS	



Signature

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, 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 a price quotation, advertised competitive bid, limited bid or proposal). 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 questionnaire must be completed and submitted with the bid.**
 - 2.1 Full Name of bidder or his or her representative:
 - 2.2 Identity Number :.....
 - 2.3 Position occupied in the Company (director, trustee, shareholder²):
 - 2.4 Company Registration Number:
 - 2.5 Tax Reference Number:
 - 2.6 VAT Registration Number:
 - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

- 2.7 Are you or any person connected with the bidder
presently employed by the state?

YES / NO

2.7.1 If so, furnish the following particulars:

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector?

YES / NO

2.7.2.1 If yes, did you attached proof of such authority to the bid document?

YES / NO

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months?

YES / NO

2.8.1 If so, furnish particulars:

.....
.....
.....

2.9 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 and or adjudication of this bid?

YES / NO

2.9.1 If so, furnish particulars.

.....
.....
.....

2.10 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?

YES/NO

2.10.1 If so, furnish particulars

.....
.....
.....

2.11 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?

YES/NO

2.11.1 If so, furnish particulars.....

.....
.....

3 Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....
CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF
PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION
PROVE TO BE FALSE.

Signature

Date

Position

Name of bidder

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;

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
Total points for Price and B-BBEE must not exceed	100

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.

- (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.

3.1

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

or

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

Where

Ps = Points scored for price of bid under consideration

Pt = 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

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 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:

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

(Tick applicable box)

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

- 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 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? (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). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) 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)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	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 bids¹ 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).² 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. disregards 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:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² 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 consortium³ 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

COMPULSORY OFFICIAL BRIEFING SESSION CERTIFICATE

N. B.: THIS FORM MUST BE COMPLETED AND INCLUDED IN THE BID.

Bid No: **ZNB 4267/19A**

**Service: SUPPLY, DELIVERY, OFFLOAD AND INSTALLATION OF IRRIGATION AT
ZETHENJWA PROJECTS**

THIS IS TO CERTIFY THAT (NAME):

ON BEHALF OF:

ATTENDED THE COMPULSORY BRIEFING SESSION ON..... (DATE)

AND IS THEREFORE FAMILIAR WITH THE CIRCUMSTANCES AND THE SCOPE OF THE
SERVICE TO BE RENDERED.

.....
NAME AND SIGNATURE OF BIDDER OR AUTHORISED REPRESENTATIVE

DATE:

.....
NAME AND SIGNATURE OF DEPARTMENTAL REPRESENTATIVE

DATE:

DEPARTMENTAL OFFICIAL STAMP:

AUTHORITY TO SIGN A BID**A. COMPANIES**

If a Bidder is a company, a certified copy of the resolution by the board of directors, personally signed by the chairperson of the board, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company must be submitted with this bid, that is before the closing time and date of the bid

AUTHORITY BY BOARD OF DIRECTORS

By resolution passed by the Board of Director.....20.....,

Mr/Mrs.....

(whose signature appears below) has been duly authorised to sign all documents in connection with this bid on behalf of

(Name of Company)

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF COMPANY:

.....
(PRINT NAME)

SIGNATURE OF SIGNATORY: **DATE:**

WITNESSES: 1.....

2.....

B. SOLE PROPRIETOR (ONE - PERSON BUSINESS)

I, the undersigned..... hereby confirm that I am the
sole owner of the business trading as.....

.....

SIGNATURE..... **DATE**.....

C. PARTNERSHIP

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner	Residential address	Signature
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.....
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.....
-------	-------	-------

.....
-------	-------	-------

We, the undersigned partners in the business trading
as.....hereby authorise
.....to sign this bid as well as any contract resulting from
the bid and any other documents and correspondence in connection with this bid and /or contract
on behalf of

..... SIGNATURE SIGNATURE SIGNATURE
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..... DATE DATE DATE
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D. CLOSE CORPORATION

In the case of a close corporation submitting a bid, a certified copy of the Founding Statement of such corporation shall be included with the bid, together with the resolution by its members authorising a member or other official of the corporation to sign the documents on their behalf.

By resolution of members at a meeting on 20.....

at..... Mr/Ms....., whose signature

appears below, has been authorised to sign all documents in connection with this bid on behalf of

(Name of Close Corporation).....

.....

SIGNED ON BEHALF OF CLOSE CORPORATION:

.....

(PRINT NAME)

IN HIS/HER CAPACITY AS **DATE:**

SIGNATURE OF SIGNATORY:

WITNESSES: 1.....

2.....

E CO-OPERATIVE

A certified copy of the Constitution of the co-operative must be included with the bid, together with the resolution by its members authoring a member or other official of the co-operative to sign the bid documents on their behalf.

By resolution of members at a meeting on 20.....

at.....

Mr/Ms....., whose signature appears below, has been authorised to sign all documents in connection with this bid on behalf of (Name of cooperative).....

SIGNATURE OF AUTHORISED REPRESENTATIVE/SIGNATORY:

IN HIS/HER CAPACITY AS:

DATE:

SIGNED ON BEHALF OF CO-OPERATIVE:

NAME IN BLOCK LETTERS:

WITNESSES: 1.....

2.....

F JOINT VENTURE

If a bidder is a joint venture, a certified copy of the resolution/agreement passed/reached signed by the duly authorised representatives of the enterprises, authorising the representatives who sign this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the joint venture must be submitted with this bid, before the closing time and date of the bid.

AUTHORITY TO SIGN ON BEHALF OF THE JOINT VENTURE

By resolution/agreement passed/reached by the joint venture partners on.....20.....

Mr/Mrs.....,Mr/Mrs.....

Mr/Mrs.....and Mr/Mrs.....

(whose signatures appear below) have been duly authorised to sign all documents in connection with this bid on behalf of:(Name of Joint Venture).....

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF (COMPANY NAME):
(PRINT NAME)

SIGNATURE: DATE:

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF (COMPANY NAME):
(PRINT NAME)

SIGNATURE: DATE:

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF (COMPANY NAME):
(PRINT NAME)

SIGNATURE: DATE:

IN HIS/HER CAPACITY AS:

G. CONSORTIUM

If a bidder is a consortium, a certified copy of the resolution/agreement passed/reached signed by the duly authorised representatives of concerned enterprises, authorising the representatives who sign this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the consortium must be submitted with this bid, before the closing time and date of the bid.

AUTHORITY TO SIGN ON BEHALF OF THE CONSORTIUM

By resolution/agreement passed/reached by the consortium on.....20.....

Mr/Mrs.....

(whose signature appear below) have been duly authorised to sign all documents in connection with this bid on behalf of:

(Name of Consortium).....

IN HIS/HER CAPACITY AS:

SIGNATURE: **DATE:**

SECTION B
GENERAL CONDITIONS OF CONTRACT

DEFINITIONS: The following terms shall be interpreted as indicated:

- (a) "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- (b) "Contract" means the written agreement entered into between the Province and the Contractor, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (c) "Contract price" means the price payable to the Contractor under the contract for the full and proper performance of his contractual obligations.
- (d) "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- (e) "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- (f) "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 recognised new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- (g) "Day" means calendar day.
- (h) "Delivery" means delivery in compliance with the conditions of the contract or order.
- (i) "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- (j) "Delivery into consignees store or to his site" means delivery and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the Contractor bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- (k) "Dumping" occurs when a private enterprise abroad market its goods and services 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.
- (l) "Force majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such event may include, but is not restricted to, acts of the Province in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- (m) "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.

- (n) "GCC" means the General Conditions of Contract.
- (o) "Goods" means all the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- (p) "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 Contractor 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 supplies covered by the bid will be manufactured.
- (q) "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- (r) "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- (s) "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- (t) "Project site" where applicable, means the place indicated in bidding documents.
- (u) "Province" means the procuring Department, incorporating the KwaZulu-Natal Provincial Legislature.
- (v) "Republic" means the Republic of South Africa.
- (w) "SCC" means the Special Conditions of Contract.
- (x) "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 Contractor covered under the contract.
- (y) "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

1. CESSION OF CONTRACTS

- 1.1 The Contract is personal to the Contractor who shall not sub-let, assign, cede or make over the Contract or any part thereof, or any share of interest therein, to any other person without the written consent of the Province, and on such conditions as it may approve.
- 1.2 This sub-clause shall not apply to sub-contracts given to regular suppliers of the Contractor for materials and minor components relating to the goods or services supplied. The Province reserves the right to require the Contractor to submit, for noting, the names of such sub-contractors in order to ascertain their registration on the Provincial Suppliers Database and they must be legal entities.

2. DISCREPANCIES

Should there appear to be any discrepancies, ambiguities or want of agreement in description, dimensions, qualities or quantities in the Contract, the Contractor shall be obliged to refer the matter to the Provinces' Representative for a decision, before proceeding to execute the Contract or part thereof in respect of which the said discrepancies, ambiguities or want of agreement appear to exist.

3. QUALITY AND GUARANTEE

- 3.1 All Goods supplied shall be equal in all respects to samples, patterns or specifications where such are provided. Any changes to quality or brands will have to be approved by the Province, as this is a change to the conditions of the contract.
- 3.2 Should the Province, after the award of the Contract and/or during the manufacture of the goods specified, decide on a variation or alteration to the specification, either at the suggestion of the Contractor or otherwise, which will be to the Province's advantage, such variation or alteration shall be performed to the Province's satisfaction. Any variation in the Contract Price arising there from shall be subject to agreement between the Province and the Contractor.
- 3.3 The Contractor shall not be relieved of his obligations with respect to the sufficiency of the materials and workmanship and the quality of the Goods supplied by the reason of no objection having been taken thereto by the Province's Representative at the time the Goods were delivered.
- 3.4 The Contractor 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 Contractor 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 Contractor, that may develop under normal use of the supplied goods in the conditions prevailing in the country of the final destination.
- 3.5 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 the Special Conditions of Contract.
- 3.6 The Province shall promptly notify the Contractor in writing of any claims arising under this warranty. The Contractor shall immediately remedy the said defect free of cost to the Province. Should the Contractor delay remedial work in excess of time stipulated by the Province's representative, the Province may have such remedial work executed at the

Contractor's expense. Should the Province decide that the defect is such that it cannot be remedied, the Goods may be rejected. Such rejected goods shall be held at the risk and expense of the Contractor and shall, on request of the Province, be removed by him immediately on receipt of notification of rejection. The Contractor shall be responsible for any loss the Province may sustain by reason of such action as the Province may take, in terms of this clause.

- 3.7 The risk in respect of the Goods purchased by the Province under the contract shall remain with the Contractor until such goods have been delivered to the Province.
- 3.8 The principle feature of the Goods and Work are described in the Goods or Services Information, but the Goods or Services Information does not purport to indicate every detail of construction, fabrication or arrangements of Goods and Works necessary to meet the requirements. Omission from the Goods or Services information of reference to any part or parts shall not relieve the Contractor of his responsibility for carrying out the Work as required under the Contract.
- 3.9 If any dispute arises between the Province and the Contractor in connection with the quality and guarantee of the Goods, either party may give the other notice in writing of the existence of such dispute, and the same shall thereupon be referred to arbitration in South Africa by a person mutually agreed upon by both parties. The submission shall be deemed to be a submission to arbitration within the meaning of the terms of the arbitration laws in force in the Republic of South Africa.

4. FAILURE TO COMPLY WITH CONDITIONS AND DELAYED EXECUTION

- 4.1 If a bidder amends or withdraws his/her/their bid after the closing time but before the bidder is notified that his/her/their bid has been accepted, or when notified that his/her/their bid has been accepted, he/she/they fail/fails, within the period stipulated in the conditions of bid or such extended period as the Province may allow, to sign a contract or to provide security when requested to do so, he/she/they shall, unless the Province decides otherwise, and without prejudice to any other right which the Province may have under paragraphs 4.2 and 4.4, including the right to claim damages if a less favourable bid is accepted or less favourable arrangements are to be made, forfeit any deposit which may have been made with the bid.
- 4.2 Should the contractor fail to comply with any of the conditions of the contract, the Province shall be entitled, without prejudice to any of its other rights, to cancel the contract.
- 4.3 Upon any delay beyond the contract period in the case of a supplies contract, the Province shall, without canceling the contract, be entitled forthwith 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 supplies delivered later at the contractor's expense and risk, or forthwith to cancel the contract and buy such supplies as may be required to complete the contract, and without prejudice to its rights, be entitled to claim damages from the contractor.
- 4.4 Upon any delay beyond the contract period in the case of a service contract, the Province shall, without prejudice to any other right and without canceling the contract, be entitled forthwith to arrange the execution of the service not rendered in conformity with the contract or to cancel the contract, and without prejudice to its other rights, be entitled to claim damages from the contractor.
- 4.5 In the event of the Province availing itself of the remedies provided for in paragraph 4.2-
- 4.5.1 the contractor shall bear any adverse difference in price of the said supplies services and these amounts plus any other damages which may be suffered by the Province, shall be paid by the contractor to the Province immediately on demand, or the Province may deduct such amounts from moneys (if any) otherwise payable to

the contractor in respect of supplies or services rendered or to be rendered under the contract or under any other contract or any other amounts due to the contractor; or

4.5.2 if the Contractor fails to supply the goods or render the service within the period stipulated in the contract, the Province shall have the right, in its sole discretion, to claim any damages or loss suffered.

4.6 No damages shall be claimed in respect of any period of delay which the contractor can prove to be directly due to a state of war, sanctions, strikes, lockouts, damage to machinery as a result of accidents, fire, flood or tempest or act of God, which could not be foreseen or overcome by the contractor, or to any act or omission on the part of persons acting in any capacity on behalf of the Province.

4.7 If the delivery of the supplies or the rendering of the service is likely to be delayed or is in fact being delayed on account of any of the reasons mentioned in paragraph 4.6, full particulars of the circumstances shall be reported forthwith in writing to the Province and at the same time the contractor shall indicate the extension of the delivery period which is desired.

5. PATENTS

5.1 The Contractor shall pay all royalties and expenses and be liable for all claims in respect of the use of patent rights, trademarks or other protected rights, and hereby indemnifies the Province against any claims arising there from.

5.2 The Contractor shall indemnify the Province against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the goods or any part thereof by the Province.

6. PACKAGING, MARKING AND DELIVERY

6.1 All goods shall be crated, packed or battened securely in such a manner as to prevent damage during loading, transport and off-loading. Unless otherwise specified, packing cases and packing materials are included in the Contract Price, and shall be and remain the property of the Province.

6.2 All goods shall be clearly marked in the manner stated in the Goods or Services Information.

6.3 Goods shall be delivered to the address within the Province's area of jurisdiction as set out in the Special Conditions of Contract or Goods and Services Information.

6.4 Goods shall be delivered on Weekdays between 08:00 and 16:00, free of all charges, only when ordered upon an official letter or form of order issued by the Province. No goods will be received on Saturdays, Sundays and public holidays. This paragraph (6.4) is applicable only when not excluded in the Special Conditions of Contract.

6.5 Goods delivered shall in all cases be accompanied by delivery notes in duplicate, one which will be retained by the Province. The Contractor shall be responsible for the safe delivery as to the quality, quantity and condition of the goods.

6.6 Delivery, unless otherwise provided for in the Special Conditions of Contract, shall be affected within seven (7) days from receipt of the order. The Contractor shall advise the Province upon receipt of an order in writing of any anticipated delays, citing reasons therefore and put forward a new anticipated delivery date. The Province may then extend the delivery date, if and as it deems fit.

- 6.7 Should the Contractor fail to supply the material within the time stated in his bid, or within the extended time allowed to him in terms of clause 6.6 hereof, the Province reserves the right (after giving the Contractor seven days' notice in writing) to cancel the contract and purchase the materials elsewhere and the bidder shall refund to the Province any extra cost incurred over and above the contract price. No liability shall, however, be attached to the Contractor if delivery of materials is rendered impossible or delayed by reason of circumstances beyond the Contractor's control.
- 6.8 If the Contractor cannot produce proof satisfactory to the Province that the delay was due to circumstances beyond his control, no price increase after the due date will be recognized.
- 6.9 If at any time the Province ascertains that, due to negligence of the Contractor or for reasons beyond his control:
- 6.9.1 No work on the order has been commenced and in the opinion of the Province, there is little or no prospect of work being commenced in reasonable time;
- 6.9.2 Delivery of any materials is being or is likely to be delayed beyond the delivery date promised, and/or
- 6.9.3 There is little or no prospect of the order being completed within a reasonable time after the promised date; the Province may, by notice to the Contractor in writing, cancel as from the future date specified in such notice, the whole or any part of the order in respect of which material has not been delivered by that date without incurring any liability by reasons of such cancellation. The cases where circumstances beyond the control of the Contractor have delayed commencement or completion of the order, cancellation of the order will be effected by mutual arrangement or where this is not possible by the decision of the Province. The Contractor shall then as soon as possible after such date deliver to the Province that part of the order which has been completed, and payment is to be effected is for the part performance on a proportional basis, subject to the uncompleted part not being an integral or essential part of the contract.
- 6.10 Should a price other than an all-inclusive price be required, this shall be specified in the SCC.

7. CONSIGNMENT OF GOODS

- 7.1 Goods, if delivered by Spoornet may be consigned carriage paid in the Contractor's name, care of the Province to the place of delivery stipulated, but not in the name of the State. Goods consigned to stores located in areas which Spoornet may refuse to deliver, must be done so care of a local agent or to a local depot from which they may be re-delivered by road to such stores.
- 7.2 Contractors shall arrange with Spoornet to deliver goods to the Province's stores during the hours and on the days that the stores are open.
- 7.3 The Province will not be responsible for any damage, re-delivery charges or any other charges raised by Spoornet.
- 7.4 Claims on the South African Transport Services or on any other carrier in respect of weight, quantity, damage or loss, shall be made by the Contractor.

8. PAYMENT

- 8.1 The Contractor shall furnish the Province with an invoice accompanied by a copy of the delivery note upon fulfilment of other obligations stipulated in the contract.

- 8.2 Payments shall be made promptly by the Province, but in no case later than thirty days (30) days after submission of an invoice or claim by the Contractor.
- 8.3 Payments will be made in Rand unless otherwise stipulated.
- 8.4 Payments for goods are made by the Province only. Any disputes regarding late or delayed payments must be taken up with the department and if a problem persists, the Supply Chain Management Office can be requested to investigate the delays.

9. INVOICES

- 9.1 All invoices submitted by the Contractor must be Tax Invoices indicating quantity ordered and quantity delivered, the amount of tax charged and the total invoice amount.

10. CONTRACT PRICE ADJUSTMENT

- 10.1 Firm contract prices shall not be subject to adjustment. Contract prices which are not firm shall be increased or reduced by the amount of variation between the Cost to Bidder and the actual cost to the Contractor, such variations to be subject to the following conditions:-
- 10.1.1 Where the Cost to Bidder was based on a printed catalogue or list price, the variation shall be the difference between that price list and the price list actually charged. Should it transpire that the Cost to Bidder was not based on the latest available price list at the Date of Bid, the Province shall have the right to elect the price list on which any variation shall be based.
- 10.1.2 Where the Cost to Bidder was based on a quotation by the manufacturer, or where the Contractor is the manufacturer, and the Contract Price was based on the cost of materials and labour ruling at a certain date, the variation in the Contract Price shall be calculated by means of the Steel and Engineering Industries Federation of South Africa (SEIFSA) formula if this is stipulated in the Contract, or if the Province's representative considers it to be appropriate. Where the use of the SEIFSA formula is not appropriate, the variation shall be calculated by means of another formula acceptable to the Province, which shall be indicated in the Special Conditions of Contract. Only those cost increases due to wage increases prescribed by regulating measures having the force of law, or increases in the cost of materials and railage as may be proven by documentary evidence, or published data, will be considered in determining Contract Price variation.
- 10.1.3 Any difference between Rates and Charges ruling at the time of bid and those actually paid by the Contractor will be for the account of the Province. The Contract Price adjustment arising from any variation in Rates and Charges shall, in every instance, be applied to the appropriate value, or tonnage, of the Goods shipped. Where a variation in the Cost to bidder has been allowed, the contract price shall be adjusted by the product of such variation and every component of Rates and Charges which is based on the value of the Goods, whether or not the costs of such components have varied.
- 10.1.4 No claim for increased costs will be entertained if the Contractor is unable to produce documentation to substantiate Cost to Bidder and Rates and Charges on which the contract price was based and documentation to support his claim. Such documentation must, in the opinion of the Province, adequately support the Contractor's claim. No claim for increased costs to the

Contractor arising from negligence on his part, or that of the manufacturer, will be considered.

- 10.1.5 The Contractor shall, in respect of every consignment or shipment of Goods delivered, supply to the Province's Representative documentary evidence of variation, if any, in Cost to Bidder and Rates and Charges.
- 10.1.6 Claims for increased cost shall be submitted with the invoice for the Goods in respect of which the claim is made, or as soon thereafter as possible. Claims shall not be considered if received more than 90 days after the expiry of the Contract unless notice of intention to claim has been given to the Province before such date.
- 10.1.7 In the event of there being no claim by the Contractor for increased costs, the Contractor shall not be entitled to full payment under the Contract before he has submitted to the Province, in his own name or in the name of the manufacturer, a certificate declaring that there have been no adjustments in the cost of manufacture which entitle the Employer to a reduction in the Contract Price as provided for in this clause.

11. REMEDIES IN THE CASE OF DEATH, SEQUESTRATION, LIQUIDATION OR JUDICIAL MANAGEMENT

- 11.1 In the event of the death of a contractor or the provisional or final sequestration of his/her/their estate or of his/her/their cession or transfer of a contract without the approval of the Province or of the surrender of his/her/their estate or of his/her/their reaching a compromise with his/her/their creditors or of the provisional or final liquidation of a contractor's company/closed corporation or the placing of its affairs under judicial management, the Province may, without prejudice to any other rights it may have, exercise any of the following options :
 - 11.1.1 Cancel the contract and accept any of the bids which were submitted originally with that of the contractor or any offer subsequently received to complete the contract. In such a case the estate of the contractor shall not be relieved of liability for any claim which has arisen or may arise against the contractor in respect of supplies not delivered or work not carried out by the contractor, under the contract.
 - 11.1.2 Allow the executor, trustee, liquidator or judicial manager, as the case may be, for and on behalf of and at the cost and expense of the estate of the contractor to carry on with and complete the contract.
 - 11.1.3 For and on behalf of and at the cost and expense of the estate of the contractor, itself carry on with and complete the contract and in that event the Province may take over and utilize, without payment, the contractor's tools, plant and materials in whole or in part until the completion of the contract.
- 11.2 Should the Province elect to act in terms of paragraph 11.1.3 it shall give notice of its requirements to the executor, trustee, liquidator or judicial manager of the contractor's estate and should the said executor, trustee, liquidator or judicial manager fail within 14 days of the dispatch of such notice to make provision to the satisfaction of the Province for the fulfillment of such requirements, or should no trustee, liquidator or judicial manager be appointed within 14 days of the occurrence mentioned in paragraph 11.1, the Province may apply any remedy open to it in terms of the contract as if a breach thereof had taken place.
- 11.3 Should the Province act in terms of paragraph 11.1.3 the contractor must leave the premises immediately and may not occupy such premises on account of retention or any other right.

12. LAW TO APPLY

- 12.1 The Contract shall in all respects be construed in accordance with the law of the Republic of South Africa, and any difference that may arise with the law of the Republic of South Africa, and any difference that may arise between the Province and the Contractor in regard to the Contract, shall be settled in the Republic of South Africa.

13. OFFERING OF COMMISSION OR GRATUITY

- 13.1 If the Contractor, or any person employed by him, is found to have either directly or indirectly offered, promised or given to any office bearer of the Province or person in the employ of the Province, any commission, gratuity, gift or other consideration, the Province shall have the right, summarily and without recourse to law and without prejudice to any other legal remedy which it may have in regard to any loss or additional cost or expenses, to cancel the Contract without paying any compensation to the Contractor.

14. PREFERENCES

- 14.1 Should the Contractor apply for preferences in the submission of his bid, and it is found at a later stage that these applications were incorrect or made under false pretences, the Province may, at its own right:-
- 14.1.1 Recover from the Contractor all costs, losses or damages incurred or sustained by the Province as a result of the award of the Contract; and / or
 - 14.1.2 Cancel the contract and claim any damages which the Province may suffer by having to make less favourable arrangements after such cancellation.
 - 14.1.3 The Province may impose penalties, however, only if provision therefore is made in the Special Conditions of Bid.

15. WEIGHTS AND MEASURES

- 15.1 The quantities of goods offered or delivered shall be according to South African standard weights and measures.

16. SECURITY

- 16.1 Special Conditions of Contract relating to Surety/Guarantee requirement must be dealt with in strict compliance with the Conditions of Bid set out herein.
- 16.2 In respect of contracts less than R 500 000, the guarantees and sureties required may be based on a risk evaluation conducted by the Province inviting the bid.
- 16.3 No deposits are required for bid applications for contracts below R 500 000.

17. ORDERS

- 17.1 Goods shall be delivered and services rendered only upon receipt of a written official order or the signing of a contract with the Province, and accounts shall be rendered as indicated on the official order or in the contract, as the case may be.
- 17.2 The Province reserves the right to call upon any Contractor during the contract period to make known the following details:
- 17.2.1 Name of Institution placing order;
 - 17.2.2 Provincial official order number;
 - 17.2.3 Quantity ordered; and
 - 17.2.4 List of items ordered.

18. EXPORT LICENCES

- 18.1 When orders are placed for goods in respect of which an export licence from the country of origin of supplies is required, the Contractor shall:

18.1.1 Not incur any direct or indirect costs in connection with the supply or dispatch of such supplies before he has obtained such licence;

18.1.2 If the government of the country from which the supplies are to be exported refuses, or fails to grant such licence within three months of the placing of the order, the order shall be considered to be cancelled and no liability will be accepted for any loss or expenses irrespective of the nature thereof, including loss or expenditure suffered or incurred by the Contractor or any other person in respect of the production, supply, transportation or delivery of such supplies.

19. INSURANCE

- 19.1 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.
- 19.2 Any insurance policies taken out by a Contractor to cover goods delivered for a contract must be taken out with a company registered in South Africa in terms of relevant insurance and companies acts.

20. INSPECTION, TESTS AND ANALYSES

- 20.1 In terms of Provincial policy, inspections of a Bidder's goods and services are permitted. Bidders and Contractors must allow reasonable access to premises to officials from the department inviting the bid, or person specially appointed by the Province to carry out inspection or tests. There are two main categories: Firstly, where the bid conditions call for goods to be inspected during the contract period. Secondly, where the inspection results are to be submitted with the bid document.
- 20.2 If it is a bid condition that goods to be produced should at any stage during production or on completion be subject to inspection, the premises of the Contractor shall be open, at all reasonable hours, for inspection by a representative of the Province or of an organization acting on its behalf.
- 20.3 Inspections tests and analyses may be carried out prior to dispatch in regard to such contract goods as may be deemed necessary by the Province, and the Contractor shall provide, if required, all the required facilities for the inspection, tests and analyses of the goods free of charge and shall, if required, provide all the materials, samples and labour and available apparatus which may be required for the purposes of such inspection, tests and analyses free of charge, unless otherwise specified.
- 20.4 If there are no inspection requirements in the bid documents and no mention thereof is made in the letter of acceptance, but during the contract it is decided that inspections shall be carried out, the Province shall itself make the necessary arrangements, including payment arrangements, with the testing authority concerned. The premises of the Bidder Contractor must be open and accessible at all reasonable times for the purposes of these tests.
- 20.5 If the inspection, tests and analyses show the goods or service to be in accordance with contract requirements, the cost of the inspection, tests and analyses shall be defrayed by the Province calling for such tests or analyses. Where the supplies or services do not comply

with the contract, the costs shall be defrayed by the Contractor and the Province shall have the right, without prejudice to any other legal remedy it may have, to deduct such costs from payments due to the Contractor under the contract or under any other contract.

- 20.6 Goods and services which do not comply with the contract requirements may be rejected.
- 20.7 Any goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract, and such rejected goods shall be held at the cost and risk of the Contractor who shall, when called upon, remove them immediately at his own cost and forthwith substitute them for goods which do comply with the requirements of the contract, failing which such rejected goods shall be returned at the Contractor's cost and risk. Should the Contractor fail to provide the substitute goods forthwith, the Province may, without giving the Contractor a further opportunity to substitute the rejected goods, purchase such supplies as may be necessary at the expense of the Contractor, for example, the transport costs and other expenses regarding the rejected goods must be refunded by the Contractor.
- 20.8 Where imported goods are to be inspected before delivery, the Contractor shall notify his suppliers abroad of the conditions applicable to inspections.
- 20.9 Provisions contained in sub-clause 20.1 and 20.8 shall not prejudice the right of the Province to cancel the contract on account of a breach of the conditions thereof.

21. RESTRICTION OF BIDDING

- 21.1 Without prejudice on any other legal remedies, the Province may impose restrictions on a Bidder in terms of which bids to the Province will not be accepted for such period as determined by the Province. This information may be passed to other provinces or State organisations in the Republic of South Africa. These restrictions may be imposed in terms of the breach of any of the requirements to be met in terms of the accepted bid or contract. The Province may also make a restriction on a bidder from another province or State institution applicable to this Province.

22. CONTRACTOR'S LIABILITY

- 22.1 In the event of the contract being cancelled by the Province in the exercise of its rights in terms of these conditions, the Contractor shall be liable to pay to the Province any losses sustained and/ or additional costs or expenditure incurred as a result of such cancellation, and the Province shall have the right to recover such losses, damages or additional costs by means of set-off from moneys due or which may become due in terms of the contract or any other contract or from guarantee provided for the due fulfilment of the contract and, until such time as the amount of such losses, damages or additional costs have been determined, to retain such moneys or guarantee or any deposit as security for any loss which the Province may suffer or may have suffered.
- 22.2 The Contractor may be held responsible for any consequential damages and loss sustained which may be caused by any defect, latent or otherwise, in supply or service rendered or if the goods or service as a result of such defect, latent or otherwise, does not conform to any condition or requirement of the contract.

23. PRICE LISTS

- 23.1 Price lists which are part of the contract shall not be amended without the approval of the Province, unless the SCC specify otherwise.

24. SUBMISSION OF CLAIMS

- 24.1 Claims must be submitted within 90 days of the delivery date of items, but the delivery date will be calculated according to the delivery period stipulated in terms of the contract, unless an extension for late delivery has been granted by the Province.
- 24.2 For period contracts, no price increase will be granted within the first 180 days of the contract period. No price increase applications which are submitted later than 90 days after the contract period expired will be considered. The claims shall be accompanied by documentary proof and, if required, an auditor's report sustaining the claim shall be provided.
- 24.3 Claims referring to formulae and indices must be clearly set out in terms of indices or formulae values used to calculate the bid price, and the adjusted indices or values.

25. PROVINCIAL PROPERTY IN POSSESSION OF A CONTRACTOR

- 25.1 Province's property supplied to a Contractor for the execution of a contract remains the property of the Province and shall at all times be available for inspection by the Province or its representatives. Any such property in the possession of the Contractor on the completion of the contract shall, at the Contractor's expense, be returned to the Province forthwith.
- 25.2 The Contractor shall be responsible at all times for any loss or damages to the Province's property in his possession and, if required, he shall furnish such security for the payment of any such loss or damages as the Province may require.

26. RIGHTS TO PROCURE OUTSIDE THE CONTRACT

- 26.1 The Province reserves the right to procure goods outside the contract in cases of urgency or emergency or if the quantities are too small to justify delivery costs, or if the goods are obtainable from another organ of Province or if the Contractor's point of supply is not situated at or near the place where the goods are required or if the Contractor's goods are not readily available.
- 26.2 No provision in a contract shall be deemed to prohibit the obtaining of goods or services from a Province or local authority.

27. AMENDMENT OF CONTRACT

- 27.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force and effect unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing.

28. NOTICES

- 28.1 Every written acceptance of a bid shall be posted to the supplier/bidder concerned by registered or certified mail and any other notice to him/her/it shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him/her/it in writing and such posting shall be deemed to be proper service of such notice.
- 28.2 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 such notice.

29. INCIDENTAL SERVICES

- 29.1 The Contractor may be required to provide any or all of the following services, including additional services, if any, specified in the Special Conditions of Bid:
- (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 Contractor of any warranty obligations under this contract; and
 - (e) training of the Province's personnel, at the Contractor's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 29.2 Prices charged by the Contractor 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 Contractor for similar services.

30. USE OF CONTRACT DOCUMENTS AND INFORMATION INSPECTION

- 30.1 The Contractor shall not, without the Province'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 Province in connection therewith, to any person other than a person employed by the Contractor 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.
- 30.2 The Contractor shall not, without the Province's prior written consent, make use of any document or information mentioned in GCC clause 30.1 except for purposes of performing the contract.
- 30.3 Any document, other than the contract itself mentioned in GCC clause 30.1 shall remain the property of the Province and shall be returned (all copies) to the Province on completion of the Contractor's performance under the contract or so required by the Province.
- 30.4 The Contractor shall permit the Province to inspect the Contractor's records relating to the performance of the Contractor and to have them audited by auditors appointed by the Province, if so required by the Province.

31. SPARE PARTS

- 31.1 If specified in SCC, the Contractor may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Contractor:
- (a) such spare parts as the Province may elect to purchase from the Contractor, provided that this election shall not relieve the Contractor of any Warranty obligations under the contract.

- (b) In the event of termination of production of the spare parts:
 - (i) Advance notification to the Province of the pending termination, in sufficient time to permit the Province to procure needed requirements; and
 - (ii) Following such termination, furnishing at no cost to the Province, the blueprints, drawings, and specifications of the spare parts, if requested.

32. PENALTIES

- 32.1 Subject to GCC Clause 4, if the Contractor fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the Province 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 delayed goods or unperformed services, using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The Province may also consider termination of the contract in terms of the GCC.

33. ANTI-DUMPING AND COUNTERVAILING DUTIES AND RIGHTS

- 33.1 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 favorable 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.

34. GOVERNING LANGUAGE

- 34.1 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.

35. TAXES AND DUTIES

- 35.1 A foreign Contractor shall be entirely responsible for all taxes, stamp duties, licence fees, and other such levies imposed outside the Province's country.
- 35.2 A local Contractor shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the Province.
- 35.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Province 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.

SECTION C

TERMS OF REFERENCE

APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, DELIVER AND INSTALL AN IRRIGATION SYSTEM: ZETHENJWA CO-OPERATIVE AT INKOSI LANGALIBALELE MUNICIPALITY IN ESCOURT

1. BACKGROUND

- 1.1 Achieving and maintaining high levels of growth in the agricultural sector is a key national policy objective that holds a high priority in the programmes of the KwaZulu-Natal Department of Agriculture and Rural Development (herein after referred to as Department). The Department endeavours to contribute to economic growth within the agricultural sector and in the process promote commercialization in the smallholder farm sector, increase opportunities for skilled and relatively unskilled employment, and increase food security. The Department has therefore prioritized the need to assist resource-poor and emerging farmers with irrigation requirements.

2. OBJECTIVES

- 2.1 To appoint a suitably qualified Service Provider to supply, deliver and install an irrigation system.
- 2.2 To ensure cost effective, timely and correct supply of Irrigation systems to resource poor and emerging farmers.
- 2.3 To create sustainable food (crop and livestock) production in poverty-stricken rural communities.

3. SCOPE OF SERVICES

- 3.1 The Department requires a Service Provider that shall supply, deliver and install a 9 ha sprinkle irrigation system at Zethenjwa Co-operative at Inkosi Langalibalele Municipality in Estcourt.

SECTION D

SPECIFICATION FOR THE INSTALLATION 9ha OF SPRINKLER IRRIGATION NEAR ESTCOURT

PROJECT NAME:	ZITHENJWA IRRIGATION SCHEME
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PROJECT DESCRIPTION

The contract covers the supply of all irrigation material including piping, fittings, and pump/motor combination, the supply of a towable pump with a trailer and full installation of irrigation system for this project. The project also includes the supply and installation of a perimeter fencing for the scheme.

PROJECT LOCATION

District: **UTHUKELA DM**

Local Municipality: **ESTCOURT LM**

Zithenjwa Irrigation Scheme is approximately 30kms South West of Estcourt at UThukela District Municipality. The site co-ordinates are: 29° 09' 56.51"S; 29° 40' 51.47" E.

DISCLAIMER

1. *If the contractor has the impression that the information provided in the drawing(s) and the technical specifications/Schedule of quantities contradict each other or are perceived to be ambiguous, (s)he should point this out to the Engineer and ask for clarification at an early stage, but not later than before the commencement of any construction. The same applies for purported differences between the technical specifications and schedule of quantities.*

2. *The Engineering Services Directorate (ESD) takes no responsibility for an implemented project on the basis of this document alone without any prior involvement of ESD before (partial) completion.*

This involvement consists of, but is not necessarily restricted to:

- *Signing off of the bid/quote document and Drawings by ESD;*
- *Presence of ESD at the handover of the site to the contractor and at the commencement of the work. The contractor is to make sure that ESD is informed of his/her intention to commence the work so that ESD presence can be assured.*
- *Regular site inspections by ESD and the processing of invoices on the basis of achieved progress.*

This document contains:

No.	Section	Page(s)	Action
1	Cover Page	1	Read
2	Table of Contents/Disclaimer	2	
3	A) Project Particulars	3	Read
3	B) General Conditions of Contract	3-11	Read
4	C) Project Technical Specifications	12 - 17	Read
5	Project Particular Specifications	18	Read
6	ANNEXURE A: Schedule of quantities	19 - 24	Read
7	ANNEXURE B1 : Site Layout Plan	25	Read
8	ANNEXURE B2 : Typical System Connection	26	Read
9	ANNEXURE C : Additional Information	27-28	Complete
10	ANNEXURE D: Bid Evaluation Criteria	29-30	Read
11	DRAWING 1: PUMPHOUSE	31	Read
12	DRAWING 2: BURGLAR GATE FOR PUMP HOUSE	32	Read

1. PROJECT PARTICULARS

Project Description/Background

Zethenjwa Irrigation Scheme is a new 9ha irrigation scheme which will focus on the production of vegetables and green mealies . The farm is run as a co-operative and it consists of approximately 5 beneficiaries. The farmers wish to plant cabbages, spinach, potatoes, tomatoes and green mealies under irrigation. The farmers requested the Department of Agriculture to assist with the following :-

- Design and installation of a new irrigation system, and
- The supply and delivery of a complete portable pump with all required fittings and materials.

Scope

The contract covers the supply of all materials and fittings, and the execution of all works relating to the irrigation project. The work required involves but not limited to :-

- The setting out and site establishment.
- The supply and installation of a complete 9ha dragline irrigation system.
- The supply, delivery of a portable pump, complete with a tractor towable trailer.
- The supply, delivery and installation of a pump with a diesel powered motor and supply of the mainline,
- The testing of the pump and irrigation system prior to commissioning, and
- Supply, delivery and installation of a hinged joint fence, pedestrian and vehicle gates.

2. PROJECT TECHNICAL SPECIFICATIONS

In general, the Specifications published by the South African Bureau of Standards (SABS/SANS), series 1200 (Standardised Specifications for Civil Engineering Construction) shall apply.

The following specifications are applicable to this contract :-

- SABS 1200 A: General
- SABS 1200 C: Site Clearance
- SABS 1200 D: Earthworks
- SABS 1200 GA: Concrete (Small Works)
- SABS 1200 L: Medium Pressure Pipelines

In addition, the following Occupational Health and Safety Regulations (No 85 of 1993) are applicable :-

- General Safety Regulations
- Environmental regulations for workplaces
- Facilities regulations

2.1 Preliminaries and General

The contractor is to note that all insurances (UIF, workman's compensation, works, public liability etc.); site and equipment safety; site establishment and security; services (water and electricity); testing of materials and any specialist services are for the contractors' responsibility and attention throughout the contract duration until handover of the project. Please also refer to general conditions of contract. The Department reserves the right to stop progress of the works until these conditions are complied with.

2.2 Earthworks and Site Preparations

Normal regulations regarding safety, municipal by-laws, contamination of water sources, erosion, siltation etc. will still apply.

- Site preparations & establishment: SABS 1200 AA (4).
- Setting out of works: SABS 1200 AA (5.1.1)
- Permissible deviations: SABS 1200 GA (6.4) Degree of accuracy II for all bases.
- The site must be cleared and stripped of all plant materials, roots and topsoil.
- The cleared and stripped material is to be stockpiled away from the construction site and is to be levelled/replaced once all construction is complete.
- The site is to be levelled prior to any construction. This includes excavation of in situ material to provide the pit.
- Materials excavated and suitable for backfilling will be placed in even, thin layers and compacted with thickness applicable to the compaction method/machinery used but not exceeding 150mm.

2.3 Materials and Constructions

- UPVC pipes and fitting shall be fitted with spigot and socket rubber ring joints and shall comply with requirement of SABS 966.
- All materials must conform to SABS specifications for the products. This includes all items such as pipes, valves, flanges and accessories etc.
- Test pressure shall be performed as stipulated in SABS for test pressure.
- All construction works must conform to the applicable standard specifications and installation requirements as per NBR requirements and manufacturers recommendations.

- All concrete works to conform to Cement & Concrete Institute Standards and Recommendations.

2.4 Standard Concrete Mixes:

- Mixing, pouring and curing of concrete: SABS 1200 GA (5.4)
- Materials: SABS 1200 AA (3); SABS 1200 GA (3)
- Cement: Commencement 32,5N or R to SANS 50197-1
- Testing: SABS 1200 AA (7); SABS 1200 GA (7)
- Quality control through the slump test SABS 1200 GA (5.4.1.2) SABS method 862. The contractor is to supply the slump testing equipment.
- Tolerances to SABS 1200 GA (6.4)
- Formwork: Refer to SABS 1200 GA (4.4; 5.2)
- Reinforcing: SABS 1200 GA (5.1)
- Refer to standard concrete mixes specification.

Standard concrete mixes

Concrete for non-structural purposes shall be "Prescribed mix concrete" produced in accordance with the requirements indicated in table 5.1, and the Contractor is also referred to the foregoing preambles insofar as they apply: -

Class of Concrete	Estimated Minimum Compressive Strength in MPA at 28 Days	Maximum Nominal Size of Coarse Aggregate in mm	Proportion of Constituents		
			Cement (Parts)	Fine Aggregate (Parts)	Coarse Aggregate (Parts)
A	10	37,5	1	4	5
B	15	19,0	1	3	4
C	20	19,0	1	2½	3½
D	25	19,0	1	2	3
E	30	19,0	1	2	2½

Cement and aggregates shall be mixed by volume and the contents of a 50kg sack of cement shall be taken to be 0,033m³. Water addition should be kept to a minimum. Only sufficient water should be used to produce a workable mix of 60-100mm slump. A recommended maximum water: cement ratio is 1 for a 10MPa; 0.8 for a 15MPa; 0.65 for a 20MPa; 0.59 for a 25MPa; 0.53 for a 30MPa mix, however the lower the ratio the better the durability of the concrete. Approximately 210 litres per m³ of concrete is required for an average quality sand and optimum quantity 19mm stone.

MORTAR CLASS	MIX RATIO: (By Volume)	MASONRY CEMENT: kg	LIME: L	SAND: (loose and damp) L (max)
I	1 : 4	50	0-10	130
II	1 : 6	50	0-40	200
PLASTER CLASS	MIX RATIO: (By Volume)	MASONRY CEMENT: kg	LIME: L	SAND: (loose and damp) L (max)
Rich mix foundations, wet areas)	1 : 4	50	0-10	130
General purpose	1 : 5	50	0-40	165

2.5 Safety

- One 5kg ozone friendly fire extinguisher and 1 fully fitted 1st aid box is to be provided in the facility.
- All safety equipment required to construct the facility are for the contractor's responsibility and provisioning. Examples include: safety and protective clothing; sound scaffolding; false work and bracing; ladders etc... all equipment, tools and safety equipment are to be in a safe operating condition and must be used by the workers where appropriate.
- Refer to general conditions for site safety. Site operations and conditions requiring special attention include but are not limited to:
 - Equipment, machinery, tools: (stationary or mobile) such as vehicles, generators, pumps, drills, augers, picks, spades, hand tools, ladders, scaffolding to be in a safe operating condition and are to be used in a safe and responsible manner. The contractor is responsible for all such monitoring and control of site operations and equipment throughout the works for the entire contract duration.
 - Lifting and lowering of materials or personnel in any way whatsoever.
 - Personnel access and operations at raised levels or on raised platforms or scaffolding.
 - Excavation works and holes are to be clearly indicated to prevent injury to personnel.
 - Potential ingress of water on/through the site.
 - Potentially hazardous services may be present on site such as water and sewerage mains, electricity cables etc.
 - Chemical transport, storage and usage whatsoever – this includes chemical contact through equipment use such as fuels and oils; materials such as creosote, paints, solvents, cement, concrete.
 - Safety equipment: Safety and protective clothing, gloves, goggles, masks, hard hats, boots, harnesses etc.
 - A first aid box is to be provided and available at all times on site during working hours and is to comply with the requirements of the Occupational Health and Safety Act.
 - Additional risks associated with specific methods of construction selected by the contractor which are not necessarily covered in the above.

2.6 Flanges and Accessories

Flanges shall comply with the requirements of SABS 1123 latest edition. Flanges designed for rated working pressures of less than 1600kPa shall have flat flange faces and those for equal or greater working pressures raised flange faces.

It shall be the responsibility of the Contractor to ensure that the flanges on pumps, valves, fittings, specials and pipes, which shall be fitted together, are fully compatible. The flanges shall be drilled to the relevant table or to match existing flange drillings if applicable.

Before the machined surfaces have become affected by rust, they shall be coated with a mixture of white lead and tallow or other approved protective composition.

2.7 Flange Jointing Material

All flanged jointing material shall be approved by the Engineer before erection is commenced. Insertions for flat flange faces shall be of the full flange diameter encompassing the bolts. Insertion for raised flanges shall fit neatly inside the bolt rights.

All packing must be cut from rubber insertions (for pipe diameters 300 mm and smaller) with a nominal thickness of 3,2mm according to SABS 564-1973. The inside and outside diameters should be according to SABS 1123-1977. For pipe diameters exceeding 300 mm Klingerrite gaskets should be used to the applicable specifications.

2.8 Bolts and Nuts

All nuts, bolts, studs and washers shall comply with SABS 135:1985 and shall be hot dipped galvanised according to ISO 1461.

No bolts or studs of less than the size indicated on the drawings shall be used. The length of each bolt shall be such that after tightening between one thread and one diameter in length projects through the nut and at least one full thread in addition to the thread run-out remains clear between the nut and the unthreaded shank. The threaded portion of bolts shall be clear of the shear plane. All nuts and studs shall be locked in position by lock-washers and where necessary, locknuts. High tensile bolts and nuts should be used to couple the flexible hoses to limit the rust-effect on these very important elements when the pump units have to be moved.

2.9 Gate Valves and Scour Valves

Resilient seal gate valves (RSV) shall be similar to VOSA configuration and shall comply with SABS 664 (latest amendment) with classes and flanged drillings as scheduled in the bill of quantities. Where plain-ended valves are required, the ends shall be suitable for the type of pipe specified. The valves shall be designed for drop tight closure over the full range of pressures from zero to maximum working pressure.

The valves shall be provided with a straight unobstructed body passage without pockets. The spindle seat shall consist of 2 nitrile rubber O-rings located in a corrosion resistant housing. A wiper ring shall also be provided. The gates shall be completely rubber covered. The gate guides shall be of the tongue and groove type. Spindles shall be manufactured on solid stainless steel and shall be of non-rising type. The body of the valve shall be coated to a minimum DFT of 250 microns.

Extension spindles and brackets shall be provided where detailed and hand-wheels shall be clearly marked with the direction of opening. All valves shall be clockwise opening/closing. Gearing shall be chosen to limit the total effort at the hand-wheel or valve key to 350 Newton's.

2.10 Butterfly Valves

All butterfly valves shall be similar to AMRI configuration and must be provided with a gearbox and hand-wheel mechanism unless otherwise detailed and it must be possible to install the unit between flanges drilled according to SABS specifications. Valves are to have a stainless steel stem and are to incorporate a resilient disc seal mechanically retained around the periphery of the valve disc. Working pressure required is 1000kPa, or as detailed in the Schedule of Quantities and/or the drawings.

2.11 Non Return Valves

All wafer type non return valves may have a cast iron body, but stainless steel plates having machined sealing faces, 316 stainless steel pin and springs, nitrile seat and Teflon or similar bearing washers.

2.12 Pressure Gauges

Pressure gauges shall comply with BS 1780 or equivalent for Industrial Gauges shall be calibrated in kilopascals and shall be not less than 100 mm diameter. Full-scale reading shall be between 1.5 and 2 times the maximum actual operating pressure except where otherwise specified.

All gauges shall be suitable for continuous operation and shall be liquid filled where fluctuations in pressure may cause damage.

Where blockages of the gauge are possible, diaphragm seals with large bases and a facility for cleaning shall be provided. This shall apply in all cases where liquids bearing solids or sludge are handled.

Gauges shall not be mounted directly on equipment subject to variation. For dry locations indoors, the casing may be plastic or epoxy coated aluminium. For damp indoor locations, particularly in any location where sewage is flowing, and for all locations outdoors, the gauges shall be weatherproof and have AISI 316 stainless steel cases.

Isolating and bleed cocks shall be provided for each pressure gauge, except on installations for hazardous fluids.

2.13 Pumps and Motors

Guarantee

All pumps and motors must carry a guarantee of twelve months. The pump and motor must be capable of reaching the required pressure. The pump must be free of any defects pointed out by the engineer or client.

General

- Pumps to be provided shall include power rating, rotational speed/rpm and efficiency.
- Pumps shall be silent and vibration free during operation.
- No pump shall be started before installation of strainers.
- Pumps shall be provided with adequate protection over inlet and outlet flanges before being delivered to site. Protection covers shall be able to withstand normal handling during construction.
- Pumps shall be suitable for the fluids and fluid temperature that they handle, and shall be selected accordingly. See pump data forms in this regard.
- Manual vent valves shall be provided at high points on the pump casings. For applications with temperatures above boiling point, the vent must be piped to a safe drain point.
- Drain plugs shall be provided at low points on the pump casings.

Couplings, Base Plate and Alignment

- The power source and pump must be connected by means of a coupling which can transmit the full power supply of the power source, whether or not a spacer is used, or as specified in the Bill of Quantities. All couplings should be safeguarded to prevent injury to operators.
- Pumps shall be complete with flexible drive couplings to allow for angular and axial misalignment where applicable.
- The pump and power source must be mounted together on a base plate and the required tolerances:
 - Maximum permissible axial alignment error – 0.03mm
 - Maximum permissible radial alignment error – 0.05mm
- After installation and before commissioning the alignment must again be checked and adjusted with shims.
- Pumps shall be aligned by a representative of the pump supplier but the contractor still remains solely responsible for the guarantee period.
- The tolerances of measurements of the base plate, as indicated by the tenderer in the tender document, must be approximately 2mm.

- Pump drives shall be suitably protected by a securely mounted sheet metal guard and comply with Machinery and Occupational Safety Act (Act 611983).
- Each flexibly coupled pump shall be provided with a cast iron or fabricated steel base plate of ample size to hold both pump and motor in correct alignment. The pump and motor shall be accurately aligned when running at normal temperature. Dowel pins shall be fitted to base plates after alignment.
- Couplings shall be selected to match at least the power of the electric motor and shall not impose any restriction on the normal expansion and tolerances.

Pump Installation

All pumps are to be installed in accordance with the Manufacturers specifications. The rate for installation and commissioning of pumps must include for all nuts, bolts, base plates or straps that are required for their fixing, according to the Manufacturers specifications.

Standard Specifications

The workmanship must be of the highest standard throughout and be done according to the most modern practices. All inferior work will be replaced or rectified, as soon as it is pointed out by the engineer, at the cost of the contract.

Inlet and Outlet Adapters

These form part of the selection of the tender with the necessary nuts, bolts and gaskets for coupling to the pump, and flanged to fit the large end of the steel piping. Suction reducers should be eccentric and conform to a length equals to $5(D1 - D2)$.

Safety Precautions

All necessary safety covers must be supplied to ensure total protection of the operator.

Commissioning

Should any defects in the equipment become apparent during commissioning or during maintenance accounting; it will be the suppliers' responsibility to replace such faulty equipment.

Operation and Maintenance Manuals

5 sets of documents are to be provided that include the following:

- Operational philosophy
- Design data where applicable
- Pump and motor data forms and curves
- All technical data and information sheets for equipment and materials
- Detailed layout drawings (in hard copy and electronic (DWG or kcd))

3. PROJECT PARTICULAR SPECIFICATIONS (PPS)

A new dragline irrigation system together with a pump station shall be installed for the application of water for vegetables. In addition to the standard specifications, the following project particular specifications are applicable to the specified operations.

PPS1 Irrigation System

The following information pertain to the irrigation system:-

- Nett irrigation area - approximately 15ha hectares.
- Type of irrigation system - dragline system.
- Design system efficiency - 80%
- Available working days per week - 5 days
- Available irrigation hours per day - 12 hours
- Nett irrigation requirement - 4 mm/day
- Pipes to be used shall be uPVC & HDPE. The mainline should be buried at a minimum depth of 900mm to the crown of the pipe and laterals to be buried at 600mm to the crown of the pipe.

PPS2 Pump station

The pump is required to deliver a flow rate of 93m³/hr at a total head of 77m. The proposed pump performance specifications must include pump curves. The unit must include a suitable diesel motor (Lister, Hatz, Perkins or Yanmar) and be direct coupled to the pump (KSB or Grundfos). The pump and engine unit should be securely mounted on a suitable galvanised steel frame and suitably fixed (bolted) to the pump house floor slab using raw bolts. The contractor is responsible for the correct alignment of both pump and motor unit. All necessary fittings, adaptors, reticulation, reducers, pressure gauge, priming funnels, tools etc should be supplied with the unit.

PPS 3 Air Valves (Double purpose air valves)

Double purpose air release and vacuum break valves shall be ARI type as specified or similar approved. Double purpose air valves shall be able to release appropriate volumes of air (for instance during the pumping process) and let appropriate volumes of air into the system when needed.

PPS4 Hinged Joint Fence

A 1.2m hinged joint fence as per the indicated drawings with pedestrian and vehicle access gates as indicated. The following specifications are applicable to the fencing:-

- **Fencing and Wire**

A double strand barbed wire with a minimum diameter of 1.6mm shall be used.

The fencing shall be stapled to all corners, straining and intermediate posts using 3.15mmx32mm galvanised staples.

The fencing shall be tied to all droppers with binding wire. The binding wire shall have a minimum diameter of 2.5mm and it shall be fully galvanised mild steel conforming to SANS 23-4:2003/EN 10223-4:1998 shall be used.

- (i) Double Strand Barbed Wire Fence

The rate shall cover the supply, delivery and installation of double strand barbed wire fence.

- (ii) Galvanised Fencing Staples

The rate shall cover the supply, delivery and installation of fencing staples.

- (iii) Galvanised Binding Wire

The rate shall cover the supply, delivery and installation of galvanised binding wire.

- **Straining Boxes**

The straining boxes shall be placed at all corners, every 100m and to accommodate any significant change in gradient (slope) and change in direction. The straining boxes shall also be placed on all gate posts to support the pedestrian and livestock/ vehicle access gates i.e. the posts to which the gate's hinges are attached), and where instructed by the Engineer. Two straining boxes shall be constructed at corners, one on each side of the corner post.

The straining boxes consists of a straining post, a bracing pole wire cross brace support as shown on the drawings.

The straining posts shall consist of 2.1m x 100-125mm wooden poles and shall be used in the straining box. The posts shall be creosote treated poles in accordance with SABS Standards. Straining posts shall be set in 400x400x700mm deep concrete bases.

The bracing poles shall consist of 1.2m x 100-125mm wooden poles and shall be used to restrain straining post. The posts shall be creosote treated poles in accordance with SABS Standards.

The bracing poles shall be secured to the adjacent posts with two strands of 4mm diameter mild steel, fully galvanised wire and conforming to SANS 23-4:2003/EN 10223-4:1998. 16mmØ holes shall be drilled in the posts and bracing pole for the fixing of the wire.

Two strands of wire, doubled and twisted to take strain shall provide additional cross brace support. The wire shall be 4mm diameter mild steel, fully galvanised wire and conforming to SANS 23-4:2003/EN 10223-4:1998. 16mmØ holes shall be drilled in the posts and bracing pole for the fixing of the wire.

(i) Straining Post

All costs associated with the excavation for the post, disposal of excavated material, or backfilling, supplying and installing the post shall be provided for in the rate. Concrete bases shall be measured separately.

(ii) Bracing Poles

All costs associated with the supply and installation of bracing poles shall be provided for in the rate.

(iii) 4mm Galvanised Wire

All costs associated with the supply and installation of 4mm galvanised wire shall be provided for in the rate.

○ **Intermediate Posts**

2.1m x 100-125mm wooden poles shall be used for intermediate posts and shall be placed at every 15m. The posts shall be creosote treated poles in accordance with SABS Standards. Intermediate posts shall be set in 400x400x700mm deep concrete bases.

All costs associated with the excavation for the post, disposal of excavated material, or backfilling, supplying and installing of the post shall be provided for in the rate. Concrete bases shall be measured separately.

○ **Droppers**

Creosote wooden droppers shall be 1.4m x 32-50mmØ long conforming to SABS Standards and shall be placed at an interval of 3m.

All costs associated with the supply and installation of the post shall be provided for in the rate.

○ **Gates**

Single leaf galvanized stock/vehicle access gates shall be installed as indicated on the drawing, and confirmed by the Engineer on site. The gates shall be 3.6m wide and 1.2m high and they shall be covered with 50 x 100 mm galvanised weldmesh.

Gate frames must be manufactured from steel sections with a minimum diameter of 43mm and a minimum wall thickness of 2mm. Suitably sized chains are to be welded to the gates to lock the gates around the straining post. Gate frames are to be galvanised after fabrication. Each gate is to be supplied with a 40mm heavy duty high security all weather padlock with keys.

Each gate shall be hinged and installed with two adjustable 16mmØ fully threaded hinge eyebolts. Two washers and two nuts are to be installed with the hinge to adjust and set the hinge correctly.

All costs associated with the manufacture, supply and installation of the gates (including the drilling of holes for hinges in the gate post, galvanising, hinges, locking chain mechanism), shall be included in the rate. Separate rates are to be provided for each type of gate.

BILL OF QUANTITIES			ZITHENJWA IRRIGATION SCHEME			
ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
1	SABS 1200 AA	SECTION 1: PRELIMINARY & GENERAL				
1.1		<u>Fixed Charge</u>				
1.1.1	8.3.1	Contractual requirements and General (insurance, sureties etc.)	Sum	1		
1.1.2	8.3.2.2	Facilities required by Contractor				
		a) Offices (3m x 5m) and storage sheds (6m x 3m)	Sum	1		
		d) Living accommodation	Sum	1		
		e) Ablution and latrine facilities at construction site	No	2		
		g) Water supplies, electric power and communications	Sum	1		
1.1.3	8.3.3	Complying with Health and Safety Act				
		(i) Preparation of Health and Safety	Sum	1		
		(ii) Compilation of a Risk Assessment prior to construction	Sum	1		
		(iii) Health and Safety Induction Training of employees	Sum	1		
		(v) Implementation of the Health and Safety Plan over the entire construction period	Sum	1		
		(vi) Provision of safety gear as per OHS ACT	Sum	1		
1.1.4	8.3.4	Removal of site establishment on completion	Sum	1		
1.1.5		Setting out site as per co-ordinates	Sum	1		
1.2		<u>Time Related Charges</u>				
1.2.1	8.4.1	Contractual requirement	Sum	1		
1.2.2	8.4.2	Facilities for Contractor	Sum	1		
		a) Offices and storage sheds	Months	4		
		d) Living accommodation	Months	4		
		e) Ablution and latrine facilities at construction site	Months	4		
		g) Water supplies, electric power and communication	Months	4		
1.2.3	8.4.3	Complying with Health and Safety Act	Months	4		
		TOTAL SECTION 1 CARRIED TO SUMMARY				
2		SECTION 2: DAYWORK (PROVISIONAL)				

2.1		<u>Section 2.1: Labour</u>				
2.1.1		Skilled	day	40		
2.1.2		Semi-skilled	day	40		
2.1.3		Unskilled	day	20		
2.2		<u>Section 2.2: Plant</u>				
2.2.1		4 x 4 TLB or similar				
		Type.....				
		KW..... (to be filled in by tenderer)	hour	80		Rate only
2.2.2		Excavator:				
		Type.....				
		KW..... (to be filled in by tenderer)	hour	80		Rate only
2.2.3		Tipper truck 6m ³ :				
		Type..... (to be filled in by tenderer)	hour	20		Rate only
2.2.4		12 ton Roller:				
		Type:..... (to be filled in by the tenderer)	hour	20		Rate only
TOTAL SECTION 2 CARRIED TO SUMMARY						

3.1	SABS 1200DB	<u>Excavation</u>				
3.1.1		Excavate in soft & intermediate materials for trench, backfill & compact, incl. site clearance, dispose surplus/unsuitable material, for pipes up to 200mm dia. for depth: Over 0,0m and up to 1,0m	m	2 430		
3.1.2		Extra-over item B1.1 for excavation in				
3.1.2.1		Hard rock material breakable by hand tools (Provisional)	m ³	27		
3.1.2.2		Hard rock material requiring blasting (Provisional)	m ³	14		
3.1.3		<u>Removal of boulders</u>				
3.1.3.1		Removal of boulders in excess of 0,15m ³ volume each (Provisional)	m ³	6		
3.2	SABS 1200LB	<u>Provision of Bedding and Selected Fill</u>				
3.2.1		Available from trench within 1 km				
3.2.1.1		Selected granular material	m ³	209		
3.2.1.2		Selected fill material	m ³	224		
3.2.2		Imported from borrow pits within 1 km (Provisional)				
3.2.2.1		Selected granular material	m ³	53		Rate Only
3.2.2.2		Selected fill material	m ³	58		Rate Only
3.3		<u>Thrust Blocks</u>				
3.3.1		Supply and place concrete for thrust blocks	m ³	5		
3.4	SABS 1200L	<u>Main & Sub-Mainlines</u>				
3.4.1		Supply, handle, lay in bedding, joint with spigot and socket joints and test to SABS standards. uPVC pipes to SABS 966 part 1 in 6m lengths with integral rubber ring joints.				
3.4.1.1		200mm class 9	m	264		
3.4.1.2		140mm class 6	m	54		
3.4.1.3		125mm class 9	m	200		
SUB-TOTAL SECTION 3 CARRIED FORWARD						

SUB-TOTAL BROUGHT FORWARD						
3.4.1.4		125mm class 6	m	120		
3.4.1.5		110mm class 6	m	180		
3.4.1.6		90mm class 6	m	126		
3.4.1.7		75mm class 9	m	66		
3.4.1.8		50mm class 9	m	66		
3.4.2		Supply, handle, lay in bedding complete with couplings, HDPE PE100 pipes to SANS ISO 4427 in 50m/100m lengths.				
3.4.2.1		75mm class 10	m	150		
3.4.2.2		63mm class 10	m	350		
3.4.2.3		50mm class 10	m	350		
3.4.2.4		40mm class 10	m	450		
3.4.2.5		32mm class 10	m	150		
3.4.2.6		25mm class 10	m	50		
3.5	SABS 1200L	<u>Fabricated uPVC Fittings class 9 (Similar/equal to Boseng)</u>				
		Supply, delivery and install				
3.5.1		<u>Bends</u>				
3.5.1.1		125mm x 45°	No.	1		
3.5.1.2		125mm x 22.5°	No.	1		
3.5.2		<u>M/F Reducers</u>				
3.5.2.1		200mm x 140mm	No.	1		
3.5.2.2		200mm x 125mm	No.	1		
3.5.2.3		140mm x 125mm	No.	1		
3.5.2.4		125mm x 110mm	No.	3		
3.5.2.5		110mm x 90mm	No.	2		
3.5.2.6		110mm x 75mm	No.	1		
3.5.2.7		75mm x 50mm	No.	1		
3.5.4		<u>Equal Tees</u>				
3.5.4.1		200mm	No.	2		
3.5.5		<u>R.O. Tees F/F</u>				
3.5.5.1		125mm x 50mm	No.	2		
3.5.5.2		110mm x 50mm	No.	1		
3.5.5.3		90mm x 50mm	No.	1		
SUB-TOTAL SECTION 3 CARRIED FORWARD						

SUB-TOTAL BROUGHT FORWARD						
3.5.7		<u>Compression Fittings 16 Bar (Reducing Couplings)</u>				
3.5.7.2		75mm x 63mm	No.	1		
3.5.7.3		63mm x 50mm	No.	6		
3.5.7.4		50mm x 40mm	No.	7		
3.5.7.5		40mm x 32mm	No.	5		
3.5.7.7		40mm x 25mm	No.	1		
3.5.7.8		32mm x 25mm	No.	1		
3.5.8		<u>Polypropylene saddle with steel ring /Reinforced clamp saddle</u>				
3.5.8.1		75mm x 25mm BSP	No.	12		
3.5.8.2		63mm x 25mm BSP	No.	22		
3.5.8.3		50mm x 25mm BSP	No.	1		
3.5.8.4		40mm x 25mm BSP	No.	38		
3.5.8.5		32mm x 25mm BSP	No.	10		
3.5.8.6		25mm x 25mm BSP	No.	5		
3,6		<u>Air valves</u>				
3.6.1		50mm x 1m long galvanised stand pipe	No.	4		
3.6.2		50mm galvanised steel ball valve	No.	4		
3.6.3		50mm double purpose air valve similar or equal to ARI Barak	No.	4		
3,7		<u>Flush valves and accessories</u>				
3.7.1		50mm x 1m long class 10 HDPE pipe	No.	12		
3.7.2		50mm x 2" BSP adaptor (plasson)	No.	12		
3.7.3		50mm x 40mm BSP elbow (plasson)	No.	12		
3.7.4		40mm steel ball valve	No.	12		
3.7.5		50mm x 40mm BSP solvent weld elbow	No.	12		
3.7.6		Solvent cement 250ml	No.	1		
3.7.7		PVC cleaner 250ml	No.	1		
SUB-TOTAL SECTION 3 CARRIED FORWARD						

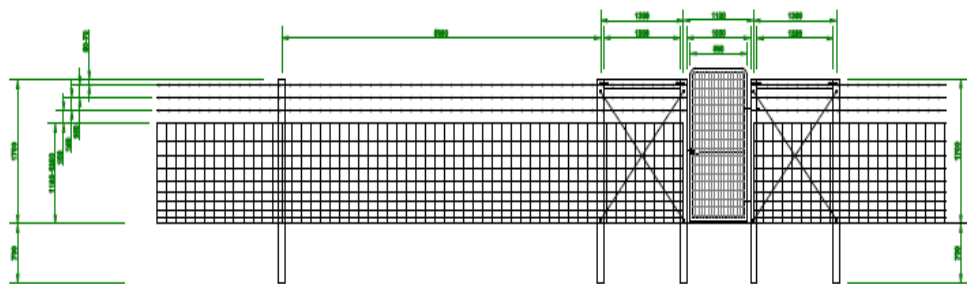
SUB-TOTAL BROUGHT FORWARD						
3.8		<u>Cluster Unit for lateral 1 to 12</u>				
3.8.1		50mm x 1,2m long galv. stand pipe	No.	22		
3.8.2		50mm steel ball valve	No.	12		
3.8.3		50mm galv. barrel nipple	No.	24		
3.8.4		25mm galv. barrel nipple	No.	24		
3.8.5		50 x 25mm reducing galv. Tee	No.	12		
3.8.6		25 x 8mm reducing galv. Tee	No.	12		
3.8.7		50mm galv. M/F elbow	No.	24		
3.8.8		50mm galv. Union	No.	12		
3.8.9		25mm Nylon hydromatic	No.	12		
3.8.10		50mm Pressure reducing threaded valve with sagiv	No.	12		
3.8.11		15 x 8mm galv reducing bush	No.	12		
3.8.12		8mm Pressure point	No.	12		
3.8.13		Stag 500 ml can	No.	3		
3,9		SPRINKLER AND ABOVE GROUND EQUIPMENT				
		Supply, deliver and install sprinkler unit, on laterals on PVC sub-mains, including clamps etc. Backfill, test and flush lateral lines.				
3.9.1		Nelson R33LP Brown 20 (Q = 859//h, 2.0bar and 4.0mm nozzle)	No.	140		
3.9.2		24m x 20mm dragline hoses	m	3360		
3.9.3		1000mm dragline stands	No.	140		
3.9.4		20mm Short Nylon double latch Riser pipelets	No.	140		
3.9.5		25mm nylomatics with spring	No.	140		
3.9.6		600mm screw in riser pipe (Poly)	No.	140		
3.9.7		20mm hose clamps	No.	280		
TOTAL SECTION 3 CARRIED TO SUMMARY						

4		SECTION 4: PUMP STATION				
4,1		<u>PUMP STATION</u>				
4.1.1		Supply, deliver, install, test and commission a KSB, Grundfos or similar approved pump with a capacity of 93m ³ /hr and a head of 77m. The pump is to be driven by a Lister, Hatz, Perkins or Yanmar diesel motor with electric starter. The rate includes provision of the towable galvanised steel trailer. Details to be provided by the designated Engineer	Sum	1		
4,2		<u>STEEL PIPES AND FITTINGS FOR PUMP STATION</u>				
		Manufacture, supply, deliver to site and install short pipe sections, fittings and specials. Steel pipes (4,5mm wall) to SABS 719 Grade, 300WA, Flanges Table 1000/3 SABS 1123. Pipe work and fittings to be painted with one coat of an approved metal primer and two coats of Copon. Surface must be clean, dry and rust free before primer is applied. Bolts, nuts and washers to be hot dipped galvanized or zinc electroplated. Rate to include welded flanges, bolts & nuts.				
		PIPES				
4.2.1		200 mm ND	m	1		
4.2.2		200 mm ND	m	2		
4.2.3		255mm ND	m	12		
4,3		MEDIUM RADIUS BENDS UP TO 45 DEG DEFLECTION ANGLE, EXTRA OVER TO PIPES				
4.3.1		200 mm ND	no	1		
4,4		MEDIUM RADIUS BENDS OVER 45 DEG UP TP 90 DEG ANGLE, EXTRA OVER TO PIPES				
4.4.1		200 mm ND	no	3		
4,5		REDUCERS, EXTRA OVER TO PIPES				
5.8.1		255 x 100 mm ND flanged eccentric reducer	no	2		
5.8.2		200 x 80mm ND flanged concentric reducer	no	2		
SUB-TOTAL SECTION 4 CARRIED FORWARD						

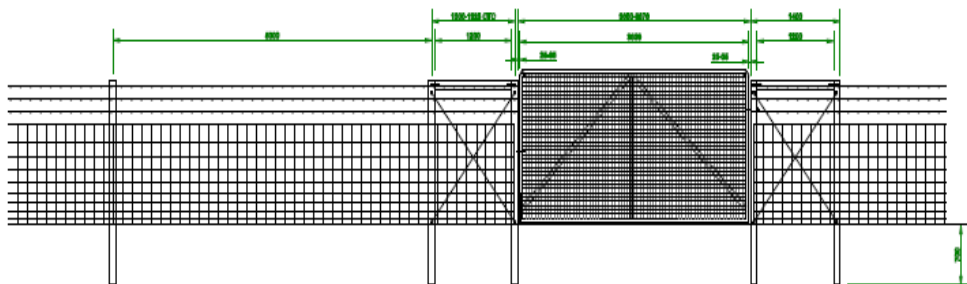
SUB-TOTAL BROUGHT FORWARD						
4,6		Ancillaries				
4.6.1		200mm Wafer double door, spring loaded, 16 Bar non-return valve with stainless steel swing door, mechanism & shaft	no	1		
4.6.2		200mm Flanged adaptor	no	1		
4.6.3		Provide and install pressure guages to pump delivery side with -1-10 bar rating	no	2		
4.6.4		Single/Manual disc filter (400 micron)	no	1		
4.6.5		Supply, deliver and install a suitable bulk water meter in the pump station. Type of water meter to be approved by the engineer.	no	1		
4,7		Commissioning of all above Mechanical equipment				
4.7.1		Commissioning of all above Mechanical equipment	sum	1		
TOTAL SECTION 4 CARRIED TO SUMMARY						

5		SECTION 5: PERIMETER FENCING				
5,1	SABS 1200 C	Clear Site				
5.1.1	8.2.1	Clear and grub 2m wide working area as designated by the Engineer	m	1 895		
5,2	SABS 1200GA	Concrete Works				
5.2.1	8.4.3	15Mpa, 19mm stones Concrete for fencing posts	m ³	5		
5,3	PPS 4	Fencing Material				
		Supply, deliver and install fencing, pedestrian and vehicle gates. The rate shall cover the supply, delivery, erection costs, PPE or safety gear for labourers, safe guarding the material on site and all that will be necessary for the complete erection of the specified hinged joint fence.				
5.3.1		Excavation of 400mmx400mmx700mm deep holes for posts	no	450		
5.3.2	SABS 675	High tensile grade steel double strand fully galvanized zinc coated uni directional twist wire, each strand 1,6 mm diameter, 845m per roll	no	8		
5.3.3	SABS 457	Creosote treated hardwood round poles, 2,4m x 100 - 125mm diameter to SABS 457	no	450		
5.3.4	SABS 935	Fence to be manufactured of high tensile steel wire with breaking strength minimum 400kg (<i>Hinged Joint Fence</i>), fully galvanized to SABS 935, with 10 horizontal strands and vertical wire at 150mm intervals, 1,2m high (<i>eg. Veldspan/Bonnox/or equivalent</i>), 100m rolls	no	19		
SUB-TOTAL SECTION 5 CARRIED FORWARD						

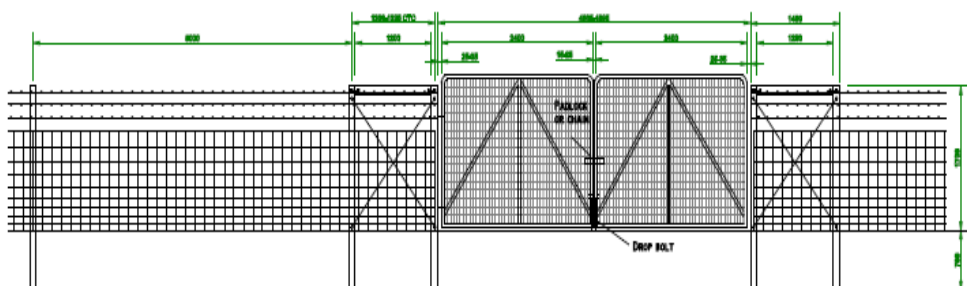
SUB-TOTAL BROUGHT FORWARD						
5.3.5	SABS 763	Hot dipped galvanized wire staples, 3,15mm x 32mm, 500g packs	no	60		
5.3.6	SABS 675, 763	Heavy duty pedestrian gate, 0,9m wide x 1,8m high, 40 - 50mm diam pipe frame, wall thickness of 1.6mm min, hot dip galvanized to SABS 763 (<i>after fabrication</i>), covered with fully galvanized diamond mesh to SABS 675. Gate to be complete with all relevant bolts and nuts for hinges and latch including chain and lock.	no	1		
5.3.7	SABS 675, 763	Heavy duty vehicle gate, 3,6m wide x 1,8m high, 40 - 50mm diam pipe frame, wall thickness of 1.6mm min, hot dip galvanized to SABS 763 (<i>after fabrication</i>), covered with fully galvanized diamond mesh to SABS 675. Gate to be complete with all relevant bolts and nuts for hinges and latch including chain and lock.	no	1		
5.3.8	SABS 935	8ga straining wire, 4mm diameter, 5kg (50m) roll to be high tensile steel, fully galvanized to SABS 935	no	6		
SUB-TOTAL SECTION 5 CARRIED TO SUMMARY						



FENCE LINE WITH PEDESTRIAN GATE



FENCE LINE WITH SINGLE VEHICLE GATE



FENCE LINE WITH DOUBLE TRACTOR GATE

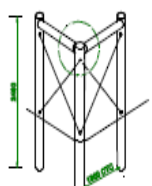
NOTES

- 1) ALL POLES PRESSURE TREATED CREOSOTED (NOT PAINTED ON), 2.4M X 100 - 125MM DIAMETER.
- 2) HINGED JOINT FENCING: 1.2M HEIGHT, VERTICAL WIRES SPACED 150MM, HORIZONTAL WIRES - 10 STRANDS, SPACED CLOSER AT THE BOTTOM.
- 3) THREE STRANDS OF BARBED WIRE ABOVE THE HINGED JOINT FENCE 150MM APART.
- 4) BARBED WIRE GALVANIZED, 1.6MM DIAMETER, DOUBLE STRAND - 845M ROLL.
- 5) THE FENCE SHOULD BE SECURED ONTO THE HARDWOOD POSTS AND BOXES BY MEANS OF 3.15 X 32 MM STAPLES.
- 6) THE STAPLES ARE TO BE INSTALLED OVER THE HORIZONTAL WIRES AT A 45 DEGREE ANGLE.
- 7) POLES, 5.0M APART, TO BE PLACED IN HOLES 700MM DEEP AND VERY WELL COMPACTED WITH SOIL IN LAYERS.
- 8) SANDY SOILS REQUIRE A REPLY OF SOIL CRETE = 10% SOIL/CEMENT MIX.
- 9) HOLES DRILLED THROUGH POLES AS SHOWN FOR TIES ON INSET IN DRAWING.
- 10) BOXES BRACED WITH DIAGONAL DOUBLE 5 GA WIRE STRANDS TWISTED TO TENSION. BRACE OR 'BOX' 1500MM WIDE CTC. (CUT ONE 2.4M POLE IN HALF).
- 11) ONE BOX EACH SIDE OF GATE. DOUBLE BOX AT 90 DEGREES ANGLE AT CORNERS.
- 12) ADDITIONAL BOXES AS REQUIRED, MIN. EVERY 100M.
- 13) ALL GATES TO BE CLAD WITH 50 X 100MM WELDPESH.
- 14) USE WIRE STRAINER FOR TENSIONING OF STRANDS. ANCHOR END OF WIRE ON BOX BEFORE STRAINING.



DETAIL

BOXES TO BE CLAD TO PREVENT RUST ON THEM AS TO BE CLAD



CORNER BOX

KZN DEPARTMENT OF AGRICULTURE
ENVIRONMENTAL AFFAIRS &
RURAL DEVELOPMENT



ENGINEERING SERVICES

4 PHONGAK AVENUE / PRIVATE BAG 18206
HILTON / 3245 / PHONE : 033-3438300 / FAX : 033-3438443

Design: R. de Neef
Drawn by: R. de Neef
Date: 16 October 2015

DRAWING REF.:
RDN/2015/21/FEN
SCALE 1 : 50 (A3)

SPECIFICATIONS HINGED JOINT
FENCING WITH GATES

SECTION E

SPECIAL TERMS AND CONDITIONS

APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, DELIVER AND INSTALL AN IRRIGATION SYSTEM AT ZITHENJWA CO-OPERATIVE AT INKOSI LANGALIBALELE MUNICIPALITY IN ESCOURT

1. INTRODUCTION

- 1.1 Tenderers must ensure that they are fully aware of all the Terms and Conditions contained in this bid document.
- 1.2 Only tenderers that fully meet the prequalification shall be considered.

2. ACCEPTANCE OF BID

- 2.1 The Departmental Bid Adjudication Committee is under no obligation to accept any bid.

3. AMENDMENT OF CONTRACT

- 3.1 Any amendment to or renunciation of the provisions of the contract shall at all times be done in writing and shall be signed by both parties, subject to the Departmental Bid Adjudication Committee approval.

4. AWARD

- 4.1 Bidders who meet the prequalification shall be scored on functionality and only bidders with a minimum score of 70% shall be evaluated on price and preference points.

5. BASIS OF QUANTITIES

- 5.1 Quantities are as reflected on the Bill of Quantities.

6. BBBEE CERTIFICATE

- 6.1 A bidder claiming BBBEE points must submit a valid BBBEE certificate or a sworn affidavit together with the bid.

7. CHANGE OF ADDRESS

- 7.1 Bidders must advise the Departmental Supply Chain Management, Contract Administration should their ownership or address (domicilium citandi et executandi) details change from the time of bidding to the expiry of the contract.

8. COMPETENCY OF THE SERVICE PROVIDER

- 8.1 CIDB 3 SH/CE grading is a requirement for this bid.
- 8.2 For evaluation processes, the Department shall apply the evaluation criteria as outlined in the Bid Evaluation Criteria of this bid.
- 8.3 It shall be vital for the appointed supplier to have sufficient financial resources and capacity to finance and execute as per terms and conditions of the contract.

9. COMPULSORY SITE BRIEFING MEETING

- 9.1 A compulsory site briefing meeting will be held with prospective Bidders. Attendance at the meeting will be compulsory and non-attendance shall invalidate any bid.

10. COUNTER OFFERS

- 10.1 Counter offers shall not be considered.

11. DELIVERY CONDITIONS

- 11.1 Delivery of services must be made in accordance with the instructions appearing on the official purchase order.
- 11.2 All deliveries or dispatches must be accompanied by a delivery note stating the official purchase order number against the delivery that has been affected.
- 11.3 In respect of items awarded to them, contractors must adhere strictly to the delivery periods stipulated by them in their bid document.
- 11.4 The instructions appearing on the official purchase order form regarding the supply, dispatch and submission of invoices must be strictly adhered to.
- 11.5 All invoices submitted must be original.
- 11.6 Deliveries not complying with the order form shall be returned to the contractor at the contractor's expense.
- 11.7 No locally manufactured product may be substituted during the contract period with an imported product, and vice versa, without prior approval of the Departmental Bid Adjudication Committee.

12. DETAILS OF CONSTRUCTION CONTRACTS AWARDED TO THE BIDDER PAST/CURRENT (ANNEXURE B)

- 12.1 The bidder must furnish the following details of all verifiable past and current contracts.
 - (a) Date of commencement of contract/s;
 - (b) Value per contract; and
 - (c) Contract details; that is, with whom held, phone number and address/s of the companies.

13. ENTERING OF DEPARTMENTAL OFFICES

- 13.1 No representative from a company shall be permitted to enter Departmental premises, buildings or containers where stores are kept unless he/ she is accompanied by the responsible official in charge of stores.

14. EQUAL BIDS

- 14.1 If two or more tenderers score an equal total number of points, the contract must be awarded to the tenderer that scored the highest points for B-BBEE.
- 14.2 If functionality is part of the evaluation process and two or more tenderers score equal total points and equal preference points for B-BBEE, the contract must be awarded to the tenderer that scored the highest points for functionality.
- 14.3 If two or more tenderers score equal total points in all respects, the award shall be decided by the drawing of lots.

15. INVOICES

- 15.1 All invoices submitted by the Contractor must be Tax Invoices indicating quantity ordered and quantity delivered, the amount of tax charged and the total invoice amount.
- 15.2 A tax invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:
- (a) The name, address and registration number of the supplier;
 - (b) The name and address of the recipient;
 - (c) An individual serialized number and the date upon which the tax invoice is issued;
 - (d) A description of the goods or services supplied;
 - (e) The quantity or volume of the goods or services supplied
 - (f) The value of the supply, the amount of tax charged and the consideration for the supply; or
 - (g) Where the amount of tax charged is calculated by applying the tax fraction to the consideration, the consideration for the supply and either the amount of the tax charged, or a statement that it includes a charge in respect of the tax and the rate at which the tax was charged

16. IRREGULARITIES

- 16.1 Companies are encouraged to advise the Department timeously of any possible irregularities which might come to their notice in connection with this or other contracts.

17. JOINT VENTURES

- 17.1 In terms of the Preferential Procurement Regulations, 2017 pertaining to the Preferential Procurement Policy Framework Act 5 of 2000, a trust, consortium or joint venture must submit a consolidated BBBEE Status Level Verification Certificate for every separate bid.
- 17.2 Should this bid be submitted by a joint venture, the joint venture agreement must accompany the bid document before the closing date and time of bid. The joint venture agreement must clearly specify the percentage of the contract to be undertaken by each company participating therein.

- 17.3 The non-submission of a BBBEE Certificate by a trust, consortium or joint venture shall result in zero (0) preference points being allocated for evaluation purposes.
- 17.4 Each party to a Joint Venture/ Consortium must submit an original valid Tax Clearance Certificate together with the bid before the closing date and time of bid.
- 17.5 The joint venture or consortium must submit a formal agreement that outlines the roles and responsibilities of each member of the joint venture or consortium, nomination of an authorised person to represent the joint venture or consortium in all matters relating to this bid and the details of the bank account for payments to be effected.
- 17.6 The joint venture or consortium must comply with Central Suppliers Database (CSD) registration requirements as per National Treasury directive.

18. LATE BIDS

- 18.1 Bids are late if they are received at the address indicated in the bid documents after the closing date and time.
- 18.2 A late bid shall not be considered and, where practical, shall be returned unopened to the Bidder, accompanied by an explanation.

19. NOTIFICATION OF AWARD OF BID

- 19.1 The successful tenderer shall be notified via an advert in the same media as the invitation to tender.

20. PAYMENT FOR SUPPLIES AND SERVICES

- 20.1 A contractor shall be paid by the Department in accordance with supplies delivered and services rendered.
- 20.2 Should a contractor indicate a special discount on his/her account provided payment is made within a certain time, the Department shall make every effort to take advantage of such discount.
- 20.3 Any query concerning the non-payment of accounts must be directed to the Department. The following protocol shall apply if accounts are queried:
- (a) Contact must be made with the officer-in-charge of the District Office;
 - (b) If there is no response from the District Office, the Director: Finance must be contacted;
- 20.4 Information as contained on the Central Suppliers Database must be valid/correct. Non-compliance with Tax Requirements shall affect payment.

21. PERIOD OF CONTRACT

- 21.1 The contract is ad hoc / once off.

22. PREQUALIFICATION CRITERIA

22.1 Only tenderers who meet the following prequalification criteria may respond:-

- (a) **BBBEE level 1 (as per the provisions of section 4(1)(a) of the PPPFA Regulations, 2017); and**
- (b) **EME (as per the provisions of section 4(1)(b) of the PPPFA Regulations, 2017)**
- (c) **Minimum CIDB 3SH or CE**

22.2 Tenderers must submit documentary proof of compliance with the above prequalification criteria.

22.3 Tenderers who fail to comply with the above-stipulated prequalification criteria or fail to submit documentary proof of the compliance with the prequalification criteria shall not be considered for this bid.

23. QUALITY CONTROL/ TESTING OF PRODUCTS

23.1 The Department reserves the right to inspect and verify the quality and specifications of the supplied irrigation material and equipment, as well as other items listed on the Bill of Quantities, **before** installation. In case of deviations in terms of dimensions, strength, numbers or otherwise, the Contractor shall replace these goods for the correct ones at his/her own expense.

23.2 The same replacement obligation to the Contractor would apply during installation and during and after commissioning. See also clause 2.15 of the PTS.

23.3 In the case of sustained or repeated non-adherence to the specifications of the materials and/or equipment, as well as in the case of general negligence during the implementation process, the contract may be cancelled. The Department will in such cases seek compensation from the contractor for the estimated costs for completion.

23.4 In cases of deliberate negligence or unwillingness to adhere to the Departmental specifications, the Service provider will be reported to the Provincial and/or National Treasury for listing on the Restricted section of the Central Suppliers database.

24. SPECIAL CONDITIONS OF CONTRACT

24.1 This invitation to register on the panel is issued in accordance with the provisions of the Public Finance Management Act (PFMA), Chapter 16 A of the Treasury Regulations and shall be subject to the provisions of the General Conditions of Contract. The special terms and conditions are supplementary to that of the General Conditions of Contract. Where, however, the special terms and conditions are in conflict with the General Conditions of Contract, the Special Terms and Conditions shall prevail.

25. SUPPLIERS DATABASE REGISTRATION

25.1 A bidder submitting an offer must be registered on the Central Suppliers Database at National Treasury. A bidder who has submitted an offer and is not registered on the Central Suppliers Database shall not be considered at the time of award. No pending registrations shall be considered.

- 25.2 A Joint Venture/Consortium must be registered on the Central Suppliers Database at the time of submitting the bid.

NB: IF A BIDDER IS FOUND TO BE EMPLOYED BY THE STATE AND IS ON THE CENTRAL SUPPLIERS DATABASE, THE BIDDER SHALL BE DISQUALIFIED.

26. TAX AND DUTIES

- 26.1 During quotation stage, prices offered and paid must include all customs, excise and import duties, and any other tariffs or taxes levied by the government or statutory body having jurisdiction on the goods provided under this contract, including Value Added Tax (applicable at the current rate).

27. TAX COMPLIANCE PIN

- 27.1 The bidder must submit a valid Tax Compliance Pin with the bid. Bidders should note that their tax compliance status shall be verified through the Central Supplier Database and SARS.
- 27.2 Where a Tax Compliance Pin is not submitted with the bid, the Department shall use the Central Supplier Database to verify the tax matters of the bidder.

28. UNSATISFACTORY PERFORMANCE

- 28.1 Unsatisfactory performance occurs when performance is not in accordance with the contract conditions.
- 28.2 The Departmental official shall warn the contractor in writing that action shall be taken in accordance with the contract conditions unless the contractor complies with the contract conditions and delivers satisfactory supplies or services within a specified reasonable time (7 days minimum). If the contractor does not perform satisfactorily despite the warning, the official shall:
- (a) Take action in terms of its his/her delegated powers; and
 - (b) Make a recommendation to the Accounting Officer for cancellation of the contract concerned.
- 28.3 When correspondence is addressed to the contractor, reference shall be made to the contract number/item number/s and an explanation of the complaint.

29. VALIDITY PERIOD OF BID AND EXTENSION THEREOF

- 29.1 The validity (binding) period for the bid shall be 120 days from close of bid. However, circumstances may arise whereby the Department may request bidders to extend the validity (binding) period. Should this occur, the Department shall request bidders to extend the validity (binding) period under the same terms and conditions as originally offered for by bidders. This request shall be done before the expiry of the original validity (binding) period.

30. VALUE ADDED TAX (VAT)

- 30.1 Bid prices must be inclusive of 15% VAT.
- 30.2 Bidders who make taxable supplies in excess of R1 million in any 12-month consecutive period are liable for compulsory VAT registration, but a person may also choose to register voluntarily provided that the minimum threshold of R50 000 (as of 1 March 2010) has been exceeded in the past 12-month period. Bidders who meet the above requirement must register as VAT vendors, if successful, within one month of award of the bid.
- 30.3 For the purposes of calculating preference points, VAT shall not be considered during quotation process.

31. SERVICE LEVEL AGREEMENT

- 31.1 The successful Bidder and the Department will sign a Service Level Agreement prior to commencement of works. A proposed schedule of works must be provided by the contractor for the approval of the Engineer within two weeks of receiving notification of a successful bid.
- 31.2 The General Conditions and Technical Specifications as listed in this bid document, as well as the Drawings, are deemed to form part of the SLA.

32. CONDITIONS OF CONTRACTS FOR CONSTRUCTION WORKS

- 32.1 The conditions of contract are the "General Conditions of Contract for Construction Works (2nd Edition 2010)" published by the South African Institute of Civil Engineering, Private Bag X200, Halfway House, 1685, Tel: 011 805 5947.
- 32.2 The amplifications of the Special Condition Conditions of Contract for Construction Works shall have precedence in the interpretation of any ambiguity or inconsistency between it and the General Conditions of Contracts for Construction Works.

33. AMPLIFICATIONS OF THE GENERAL CONDITIONS OF CONTRACT COMMENCEMENT OF THE WORKS

- 33.1 The Department will organize a site hand-over to the contractor who will then be introduced to the project stakeholders and participants. The site shall only be accessible to contractor staff and Departmental representatives while work is in progress. The site will be handed back at works completion after a final inspection by the Engineer revealed no outstanding patent defects. Site establishment must start within two weeks, and the actual works within three weeks after hand-over of the site, provided that an official order has been issued and that no exceptional circumstance such as inclement weather or other outside the control of either party to the contract prevail. In the case the work has not commenced within three weeks of the hand-over and no attenuating circumstances for the delay can be provided, the Department reserves itself the right to cancel the contract and appoint the Contractor who would according to the outcome of the bid evaluation would be next in line for an appointment.

34. WATER AND POWER

- 34.1 If there is no power or piped water available on site. The Contractor shall make the necessary arrangements for the provision of any water and power. No payment will be made for the provision or use of these services and the cost of these shall be included in the Bid/quoted amount.

35. LOCATION OF CAMP

- 35.1 The Contractor's camps may be erected on the site of the works but must meet the approval of the Engineer, project beneficiaries and landowners. No persons other than a night watchman may sleep in the camp, without the approval of the local relevant Stakeholder.

36. HOUSING AND TRANSPORTING OF CONTRACTOR'S EMPLOYEES

- 36.1 No housing is available for the Contractor's employees and the Contractor shall make his own arrangement for housing his employees and transporting them to and from the site. However, it may be possible to arrange temporary local accommodation for the Contractor's staff with the participants. The Contractor is in all respects responsible for the housing and transporting of his employees, and for the arrangement thereof, and no extension of time due to any delays resulting from this, will be granted.

37. LOCAL LABOUR

- 37.1 The contractor is encouraged to source unskilled labour from the project participants or local community. The Contractor and the Departmental representative (Engineer or local Extension officer) may negotiate with the participants in this regard to establish all the conditions for the utilization of the local labour. Nobody besides those directly involved with the project (i.e. the Contractor's workers and local labour) are allowed on site. The Contractor shall provide his own trained and skilled labour. The Contractor will be responsible for all hiring, payment, housing and transport of all labour used for the contract duration.

38. SECURITY & RISK

- 38.1 No one shall be allowed on the construction site after normal working hours except for the necessary security personnel. The Contractor shall be responsible for safeguarding plant, machinery, equipment and materials on site. The contractor shall also be responsible for any lost, damaged or stolen property or materials. Should any of these situations arise; no allocations will be made in terms of finances or time.

39. MATERIALS: DELIVERY, ON & OFF-LOADING, STORAGE AND RESPONSIBILITY

- 39.1 The approved contractor shall be responsible for the safe delivery, loading, off-loading, handling and storage of any equipment and materials on site. All equipment, materials and plant stored on site must be suitably protected against deterioration through any cause whatsoever, including damage or loss by theft or otherwise. The Contractor shall remain fully responsible for all material etc. until the completed works are handed over and has been officially accepted by the Department.

40. EXISTING ROADS, MUNICIPAL PAVEMENTS, ETC.

- 40.1 The Contractor is advised that he/she will be held responsible for any damage to the existing paving, roads, municipal pavements, fences, boundary walls, etc., and will have to repair at his expense.

41. DAMAGE TO PROPERTY

- 41.1 If the Contractor or his/her employees, while engaged in the execution of the contract, shall break, deface, injure, destroy or allow to fall into disrepair any part of the Works or property belonging to the Department, or any private property including: buildings, pavings, roads, fences, walls or grounds contiguous to the premises of the Department on which he or they may be employed, the Contractor will be required to repair, in a perfect and workmanlike manner, at own expense all damage to the approval of the Department. The Completion Certificate will not be issued until the Department is satisfied that all necessary remedial work has been satisfactorily completed. The Contractor shall take every precaution against damage or nuisance being caused by dust both to the properties of the Employer and all surrounding properties and shall indemnify the Employer against any claim that might arise there from.

42. UNDERGROUND CABLES AND PIPES

- 42.1 If such services are discovered, immediate notification must be made to the Department and all work in the vicinity of such cables, pipes, etc., shall cease until safe to proceed. Should the Contractor damage underground cable or pipes such damage shall be repaired as soon as safe and possible by the Contractor. The cost of repairing such damage will be met by the Contractor, as this must be covered by the Contractors works insurance.

43. DAILY RAINFALL RECORDS

- 43.1 The Contractor shall keep daily rainfall records and submit them to the Department's representative at every site meeting, or fortnightly by electronically communication in the absence of such visit. No additional payment shall be made for the supply and installation of the rain gauge or for the keeping of the rainfall records and all costs must be included in the scheduled items. Submission of rainfall figures is required for the granting of permission of extending the contract period because of inclement weather.

44. INSPECTION OF WORK

- 44.1 The Departmental representative may at all reasonable times have access to the site where work is being executed for inspection purposes.
- 44.2 The Engineer may request that evidence of the quality or strength of any materials be supplied by the contractor wherever necessary.

45. COVERED/ BURIED SERVICES

- 45.1 The Contractor shall give due notice to the responsible engineer whenever any work or materials are intended to be covered/buried. This is necessary to ascertain the correctness of dimensions and quality of material being covered/buried.
- 45.2 In the event of any such work or materials being covered without such notice having been given, the work or materials shall be uncovered at the Contractor's expense.

46. LABOUR CAPACITY

- 46.1 The Contractor will be required to satisfy the Department that a sufficient and experienced labor force is employed or that sufficient experienced labour can be acquired to complete the services and produce an acceptable quality of workmanship.

47. PROTECTION OF THE PUBLIC

- 47.1 The Contractor shall be responsible for the protection of the public in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

48. PROTECTION OF THE PUBLIC

- 48.1 The Contractor will be required to pay particular attention to watching and warning lighting and must provide any necessary barriers, etc., required for the protection of the public in terms of the existing Occupational Health and Safety Act, 1993 (Act No.85 of 1993) as amended.

49. DISAGREEMENTS

49.1 Notice of disagreement

The Contractor has the right by written notice to the Engineer to require him to consider any disagreement which he raises with the Engineer provided the said written notice shall be given within 14 days after the cause of disagreement has arisen.

49.2 Ruling on disagreements

The Engineer shall give a ruling on the disagreement in writing to the Contractor no later than 14 days after his receipt of a written request from the Contractor requiring him to do so. The Engineer shall provide such a ruling with as little delay as possible. During the response time the Contractor shall undertake no actions that directly concern the contested work.

50. FIXED PRICE CONTRACT

- 50.1 The contract shall not be subject to contract price adjustment. Proponents of Bids/Quotes must therefore allow for increase cost for the contract duration, including possible delays in awarding the Bid in accordance with the validity period.

51. PRICING - COMPLETENESS OF BID

- 51.1 Bidders are required to Bid for all services, products and commissioning as specified in this document and associated plans. This includes those optional items that will be pointed out as required at the bid briefing (e.g. VIP toilet(s), fencing and others. If he/she does not bid on all items, his/her bid will be rejected.
- 51.2 All bid prices for separate items are to be in South African currency and must at item level exclude VAT.
- 51.3 All items as described in the project specification are to be priced in full.
- 51.4 Transport/ Delivery costs must be included in the pricing. It must not be a separate item.
- 51.5 VAT must be filled in as the sub total followed by the complete price for the entire project.
- 51.6 The Bid price page must be signed by an authorised person.

52. QUANTITIES OF WORK

- 52.1 The pricing strategy is the re-measurable strategy. The Contractor shall receive payment only for the works actually executed and approved by the Engineer.

53. RETENTION

- 53.1 A 10% retention will be withheld on payment for duration of the construction. The Department will pay out half of this retention, or 5% of the bid value, at practical completion of the works. The remainder, 5%, will be paid out at final approval after expiry of the defect liability period (12 months after practical completion), the bidder having eliminated all defects.

54. DEFECT LIABILITY PERIOD

- 54.1 The defect liability period is 12 calendar months calculated from the date of the Certificate of Completion.
- 54.2 The expression "Defect Liability Period" In these conditions shall mean that period calculated from the date of the issue of the Certificate of Completion.

ANNEXURE BPrevious/Current Experience (*Documents and/or an extended list may be attached for further details*)

	Client Name	Project Description	Contract Value	Role (Self or Sub Contracted)	Contact (Work / Cell Number)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
TOTAL VALUE (Past 5 years)					
Signed on behalf of bidder:				Date:	

SECTION F
BID EVALUATION CRITERIA

- 1. All bids received shall be evaluated on the following:**
 - 1.1 Only bids that meet the Special Terms and Conditions in all aspects as stipulated in the bid document shall be considered.
- 2. Correctness of information:**
 - 2.1 All information required in the bid document must be accurate and duly completed including all the appropriate signatures. The Department reserves the right to verify all information submitted. Non-compliance with the above shall result in elimination from further processes.
- 3. Compulsory administrative compliance requirements that must be submitted with the bid:**
 - 3.1 Central Suppliers Database registration number;
 - 3.2 Proof of valid and active CIDB 3 SH/CE registration where applicable;
 - 3.3 A certified copy of a valid B-BBEE certificate or valid sworn affidavit for purposes of confirmation of the bidder being a Level 1 BEE;
 - 3.4 Documentary proof of bidder being an EME;
- 4. To enable scoring on functionality, the following must be submitted with the bid:**
 - 4.1 Documentary proof of bidder's experience in support of Annexure B;
 - 4.2 Documentary proof of credit facility with manufacturer and/or Registered Financial Institution or evidence of access to any legal funding instrument;
 - 4.3 Documentary proof of access to a transportation facility;
 - 4.4 Proof of physical address;
 - 4.5 Proof of Company ownership / shareholding.

NB. Non-submission of any of the above documents shall result in disqualification or in non-allocation of points for functionality.

Where copies of original documentation are submitted, those copies must be certified and must not be copies of certified copies. Original certification should not be older than three (3) months. Failure to comply with this requirement shall invalidate the bid submitted.

2. FUNCTIONALITY EVALUATION CRITERIA

- a. The bid documents shall be evaluated individually on score sheets, by a representative evaluation panel, according to the below mentioned evaluation criteria.
- b. All service providers who score less than minimum functionality score of (70%) shall not be considered for placement on any of the panels.

	FUNCTIONALITY EVALUATION CRITERIA	Max Points	Evidence	Bidders Score
1.	Bidder's experience in installation of irrigation systems 1 – 5 projects = 15 points >3 projects = 25 points	25	Documentary proof of irrigation projects executed In support of Annexure B	
2.	Financial Capacity <i>Total Credit Facility (with financial institution and/or manufacturer of irrigation material)</i> <i>R250 000.00 - R500 000.00 = 15 points</i> <i>>R500 000.00 = 25 points</i>	25	Evidence of credit facility with manufacturer/supplier and/or Registered Financial Institution Or Evidence of access to any legal funding instrument (e.g. Letter of intent)	
3.	Access to Light Delivery Vehicle (LDV) transportation facility	10	Letter of commitment from fleet company Or Confirmation from producer that delivery shall also be undertaken Or Documentary proof of transport or transportation facility (Log Books/ Letter of agreement supported by Log book)	
4.	Proof of Physical address <i>Office of Bidder outside borders of KZN = 5 points</i> <i>Office of Bidder within borders of KZN = 20 points</i>	20	Lease agreement; Municipal Utility Bill; or Copy of Bank Statement (first page only) with address	
5.	Company Ownership/ Business Or Shareholding ≥ 50% Women = 10 points ≥ 50% Youth = 5 points ≥ 50% People with disabilities = 5 points ≥ 50% Military Veterans = 5 points	20	CIPRO Registration (Ck documents or share certificates) Or Certificate issued by Department of Defence and Military Veterans	
	TOTAL	100		
	Minimum Functionality Threshold	70%		