



KWAZULU-NATAL PROVINCE

**AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA**

KWAZULU-NATAL DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

QUOTATION No: R/S/2324/1012

DESCRIPTION OF SERVICE:

CONSTRUCTION OF JUNIORCARE NURSERY AT HLELINGOMUSA SCHOOL

NAME OF BIDDER:

Mandatory Requirements

1. Minimum of **CIDB Grading 2SH/2GB**
2. Certified Copy of Identity Document (for the purposes of claiming specific goals)

COMPULSORY BRIEFING SESSION

Meeting Point	ROTO Tanks on Richmond Road
Meeting Time	09:30 for 10:00
Briefing Venue	Hlelingomusa School
Briefing Time	10:30AM
Date	30 August 2023

Return of Bid:

Bids must be deposited in the bid box situated at Department of Agriculture and Rural Development, Supply Chain Management, 01 Cedara Road, Cedara, 3200 or send by post to :

The Director: Supply Chain Management, Private Bag X9059, Pietermaritzburg, 3200.

Tel: **(033) 355 9359** before 11:00 am on the closing date: **05 September 2023**

Issued by:

The Department of Agriculture and Rural Development

1 Cedara Road

Cedara

3200



KWAZULU-NATAL PROVINCE

AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

INVITATION OF QUOTATION FROM R1 - R1 MILLION

THIS FORM SHOULD BE COMPLETED IN DETAIL AND SHOULD BE ACCOMPANY A VALID BBBEE CERTIFICATE/SWORN AFFIDAVIT /CSD REPORT/PROOF OF RESIDENCE

QUOTATION NUMBER: R/S/2324/1012	VALIDITY PERIOD OF QUOTATION..... Days (To be completed by the Supplier)
CLOSING DATE: 05 September 2023	CLOSING TIME:11H00
DESCRIPTION(SPECIFICATION/S) OF ITEMS/ SERVICE REQUIRED: CONSTRUCTION OF JUNIORCARE NURSERY AT HLELINGOMUSA SCHOOL	COMPANY NAME: TEL NO: FAX NO: CONTACT PERSON: CSD REG NUMBER MAAA.....
DOES OFFER COMPLY WITH SPECIFICATION?	YES/NO (DELETE WHICH EVER IS NOT APPLICABLE)
DOES ARTICLE COMPLY WITH SABS SPECIFICATION? HAS IT BEEN INSPECTED BY SABS?	YES/NO YES/NO (DELETE WHICH EVER IS NOT APPLICABLE)
DELIVERY PERIOD AFTER INITIAL ORDER?	
IS THE PRICE FIRM	
WHERE ARE THE STOCK HELD? (PHYSICAL ADDRESS , PLEASE)	
QUOTATION PRICE INCLUDING VAT (VAT TO BE ADDED BY REGISTERED VAT VENDORS ONLY)	TOTAL: R
COMPANY OFFICIAL STAMP (COMPULSORY) SIGNATURE OF BIDDER DATE
QUOTATION TO BE RETURNED TO: Tender box at SCM Cedara Head office 1 Cedara road Pietermaritzburg Department of Agriculture and rural development FOR ATTENTION TO : Nomthandazo Zulu TEL NUMBER : 033 355 9359	
NB: DOCUMENT MUST BE COMPLETED IN FULL, THIS QUOTATION COVER PAGE MUST BE COMPLETED AND RETURNED WITH ALL YOUR SUPPORTING DOCUMENTS.	

FOR ENQUIRY ONLY

END-USER NAME : Thamoney Naidoo (Engineer: Mr Mabika – 082 091 0245
TELEPHONE NUMBER : 033 3438221/0824132591
E-MAIL ADDRESS : thamoney.naidoo@kzndard.gov.za
PROPOSED DELIVERY DATE : 31 July 2023
DELIVERY ADDRESS : Hlelingomusa Primary School
LOCAL MUNICIPALITY : Umsumduzi
DISTRICT : Umgungundlovu

SITE BRIEFING IS COMPULSORY

LINE NO.	DESCRIPTION OR SPECIFICATION OF ITEM (Please be very specific and clear)	REQUIRED QUANTITY	UNIT PRICE EXCL. VAT		TOTAL PRICE	
			R	C	R	C
1.	CONSTRUCTION OF 1 JUNIORCARE NURSERY: - HLELINGOMUSA PRIMARY SCHOOL Refer to details specifications and designs attached for the Pricing Schedule . Final total from Pricing Schedule to be inserted on this page	1				
*DELIVERY (IF APPLICABLE)						
TOTAL						
*ONLY APPLICABLE TO VAT REGISTERED SUPPLIERS 15% VAT						
TOTAL PRICE						
CIDB Grading (IF APPLICABLE)						

COMPANY NAME : _____

CSD NUMBER : _____

ADDRESS : _____

CONTACT PERSON : _____

CONTACT NUMBER : _____

*VAT Registration No. (Supplier) -----

PRICES ARE VALID FOR DAYS Mark one Box (X)
 30 60 90 120

SIGNATURE.....

DATE.....

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	R/N/2324/1012	CLOSING DATE:	05 September 2023	CLOSING TIME:	11:00
DESCRIPTION	CONSTRUCTION OF JUNIORCARE NURSERY AT HLELINGOMUSA SCHOOL				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
THE DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT ,01 CEDARA ROAD, SCM BID BOX					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Nomthandazo Zulu		CONTACT PERSON	Thamony Naidoo / Mr Mabika	
TELEPHONE NUMBER	033 355 9359		TELEPHONE NUMBER	0824132591 / 0820910245	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER		
E-MAIL ADDRESS	Nomthandazo.zulu@kzndard.gov.za		E-MAIL ADDRESS	Thamoney.naidoo@kzndard.gov.za	
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 THE QUESTIONNAIRE BELOW]	
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, 2022 , THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA .
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 PIN 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:

.....

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

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

Full Name	Identity Number	Name of State institution

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

2.2.1 If so, furnish particulars:

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
YES/NO

2.3.1 If so, furnish particulars:

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

3 DECLARATION

I, _____ the _____ undersigned,
(name)..... in submitting the
accompanying bid, do hereby make the following statements that I certify to be true
and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 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 consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 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.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

**I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA**

SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN

MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature	Date
.....
Position	Name of bid

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

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

(delete whichever is not applicable for this tender).

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

b) 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

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

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

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

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

Where

- P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{max} = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

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

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

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

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
100% black ownership	10	
black people who are Youth	10	
black people who are Locality	10	
black people who are women	8	
black people with disabilities (Proof to be attached)	7	
black people living in rural or underdeveloped areas or townships	6	
black people who are military veterans (Proof to be attached)	6	
a cooperative owned by black people	5	

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:
- i) The information furnished is true and correct;
 - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
 - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
 - iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

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

SECTION D

OFFICIAL BRIEFING SESSION/SITE INSPECTION CERTIFICATE

N. B.: THIS FORM IS ONLY TO BE COMPLETED WHEN APPLICABLE TO THE BID.

Site/Building/Institution Involved:

Quotation Reference No: **R/S/2324/1012**

Goods/Service/Work: **CONSTRUCTION OF JUNIORCARE NURSERY AT HLELINGOMUSA SCHOOL**

This is to certify that (bidder's representative name)

On behalf of (company name) _____ -

Visited and inspected the site on ___/___/_____ (date) and is therefore familiar with the circumstances and the scope of the service to be rendered.

Signature of Bidder or Authorized Representative
(PRINT NAME)

DATE: ___/___/_____

Name of Departmental or Public Entity Representative
(PRINT NAME)

Departmental Stamp With Signature

SECTION G

SBD 7.2

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid .

2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Filled in task directive/proposal;
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract; and
 - (iii) Other (specify)

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2

DATE:

CONTRACT FORM - RENDERING OF SERVICES

PART 2 (TO BE FILLED IN BY THE PURCHASER)

- 1. I..... in my capacity as..... accept your bid under reference numberdated.....for the rendering of services indicated hereunder and/or further specified in the annexure(s).
- 2. An official order indicating service delivery instructions is forthcoming.
- 3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)
CONSTRUCTION OF JUNIORCARE NURSERY AT HLELINGOMUSA SCHOOL				

4. I confirm that I am duly authorised to sign this contract.

SIGNED ATON.....

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES	
1
2
DATE:

SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE - GENERAL

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

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

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (a) Who are citizens of the Republic of South Africa by birth or descent; or (b) Who became citizens of the Republic of South Africa by naturalization- <ol style="list-style-type: none">i. Before 27 April 1994; orii. On or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date

Definition of "Black Designated Groups"	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"
--	---

3. I hereby declare under Oath that:

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

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

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date : _____

Commissioner of Oaths Signature & stamp

SWORN AFFIDAVIT – B-BBEE QUALIFYING SMALL ENTERPRISE - GENERAL

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

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

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of “Black People”	<p>As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 “Black People” is a generic term which means Africans, Coloureds and Indians –</p> <ol style="list-style-type: none"> a) Who are citizens of the Republic of South Africa by birth or descent; or b) Who became citizens of the Republic of South Africa by naturalization- <ol style="list-style-type: none"> I. Before 27 April 1994; or II. On or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date

Definition of “Black Designated Groups”	<p>“Black Designated Groups means:</p> <ol style="list-style-type: none"> a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; b) Black people who are youth as defined in the National Youth Commission Act of 1996; c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; d) Black people living in rural and under developed areas; e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;”
--	--

3. I hereby declare under Oath that:

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

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

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date : _____

Commissioner of Oaths Signature & stamp



**APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A 16 x 16M
SEEDLING NURSERY FOR HLELINGOMUSA WITHIN UMSUNDUZI LOCAL OFFICE
UNDER UMGUNGUNDLOVU DISTRICT MUNICIPALITY**

DISCLAIMER

[1] COMPLETENESS OF THE DOCUMENT

The information regarding subsurface conditions, materials on site and site information supplied, is provided in good faith for the contractor's convenience as an indication of conditions likely to be encountered. No responsibility will be accepted for, and there is no guarantee of the information being representative of the whole area of the works or materials. The information provided will not be regarded as in any way limiting the Contractor's responsibilities. He/ She will be held to have satisfied himself of all conditions to be encountered on site and to allow accordingly in his tendered rates.

[2] APPLICABLE STANDARDS

The South African Bureau of Standards, Standard Specifications for Civil Engineering Construction (SABS 1200) shall apply to this Contract together with additional amendments as set out herein. The Contractor shall have available for reference on site at all times a full set of the above specifications, together with any other to which they refer. These specifications shall remain the property of the Contractor but shall be made available to the Engineer whenever required throughout the duration of the Contract.

[3] CONTRACT DOCUMENTS

This document must be read in conjunction with Drawings 1, 2 & 3 (See List of Drawings). 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 BoQ/ Pricing Schedule/ Schedule of quantities.

[4] INVOLVEMENT OF ENGINEERING STAFF

The Engineering Services Directorate (ESD) takes no responsibility for nurseries built 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:

- a. Signing off of the bid/quote document and Drawings by ESD;
- b. 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.
- c. Supply to the contractor by ESD of A1 (shed) and A3 (steel portal and latrine) size plans. The drawings supplied with this document are for quoting/bidding purposes only and no construction should take place before the contractor has received the bigger sized building plans.
- d. Regular site inspections by ESD and the processing of invoices on the basis of achieved progress.

District managers and other departmental end users are therefore required to involve ESD at the earliest possible stage, i.e. during PPC meetings or before submission of the request memo.



**APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A 16 x 16M
SEEDLING NURSERY FOR HLELINGOMUSA WITHIN UMSUNDUZI LOCAL OFFICE
UNDER UMGUNGUNDLOVU DISTRICT**

A | TERMS OF REFERENCE

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.
- 1.2. The LandCare Programme is one of the programmes in this regards that the Department implements. It is aimed at halting the degradation of natural agricultural resources in the Province, through promoting community based sustainable use and management of agricultural resources. The "LandCare" approach needs to add value to the current conservation systems in the different areas by focusing and prioritizing areas where Departmental programmes are being implemented. The Department has therefore prioritized the need to assist resource-poor communities, in this case via the construction of a seedling nursery.

2. OBJECTIVES

- 2.1. To appoint a suitably qualified Service Provider for the construction of a **seedling nursery**, with ancillary supplies.
- 2.2. To ensure the timely realization of a cost effective, well-built seedling nursery.

3. SCOPE OF SERVICES

- 3.1. The project covers:
 - 3.1.1. Erection of a 16 x 16m shadecloth nursery
 - 3.1.2. Construction of a concrete worktable, seedling tray rack and soil pit;
 - 3.1.3. Supply of consumables.
 - 3.1.4. Erection of a fence.
- 3.2. Documents to accompany this bid specification are listed in the Table of Contents.

4. PROJECT LOCATION

- 4.1. The site is situated in uMsunduzi Municipality in the uMgungundlovu District Municipality, 15 km South of Pietermaritzburg town.
- 4.2. Site Coordinates: **29°40' 05.60"S & 30°21' 30.18"E**



B | SPECIAL TERMS & CONDITIONS

APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A 16 x 16M SEEDLING NURSERY FOR HLELINGOMUSA PRIMARY IN UMSUNDUZI MUNICIPALITY, UMGUNGUNDLOVU DISTRICT

- 1.1 Bidders must ensure that they are fully aware of all the Terms and Conditions contained in this bid document. Only bidders that fully meet the prequalification shall be considered.
- 1.2 The Bidder is required to check the number of consecutively numbered pages. Should any found to be missing or in duplicate, or the text of figures indistinct, or should there be any doubt or obscurity as to the meaning of any part of these documents, the Bidder must ascertain the true meaning or intent of the same prior to the submission of his/her Bid. No claims arising from any incorrect interpretation will be admitted.

2. ACCEPTANCE OF BID

- 2.1 The Department 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 Department.

4. AWARD

- 4.1 All bids received shall be evaluated on the following phases of evaluation:
 - (i) Stage one: Administrative Compliance
 - (ii) Stage two: Price and Specific Goals

5. BASIS OF QUANTITIES

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

6. CHANGE OF ADDRESS

- 6.1 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.

7. COMPETENCY OF THE SERVICE PROVIDER

- 7.1. It is estimated that tenderers should have a CIDB contractor grading designation of 2SHGB or higher. The contractor is to submit evidence of his/her OWN **Active** registration.

8. COMPULSORY SITE BRIEFING

- 8.1. A site-briefing meeting will be held with prospective Bidders. Attendance at the meeting will be compulsory and non-attendance shall invalidate any bid. The date and time of the meeting will be published in the Bid Advertisement or, in the case of a quote, be communicated when the prospective service provider is invited to quote.

9. COUNTEROFFERS



9.1. Not acceptable.

10. DELIVERY CONDITIONS

- 10.1. Delivery of services must be made in accordance with the instructions appearing on the official purchase order.
- 10.2. All deliveries or dispatches must be accompanied by a delivery note stating the official purchase order number against the delivery that has been affected.
- 10.3. In respect of items awarded to them, contractors must adhere strictly to the delivery periods stipulated by them in their bid document.
- 10.4. The instructions appearing on the official purchase order form regarding the supply, dispatch and submission of invoices must be strictly adhered to.
- 10.5. All invoices submitted must be original.
- 10.6. Deliveries not complying with the order form shall be returned to the contractor at the contractor's expense.

11. ENTERING OF DEPARTMENTAL PREMISES

- 11.1. No representative from a company shall be permitted to enter Departmental premises, buildings or containers unless he/ she is accompanied by the responsible official.

12. EQUAL BIDS

- 12.1. If two or more bidders score equal points on specific goals in all respects, the award shall be decided by the drawing of lots.

13. INVOICES

- 13.1. All invoices submitted by the Contractor must be Tax Invoices accompanied by payment certificates, indicating the work done, the amount of tax charged and the total invoice amount.
- 13.2. A tax invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:
 - 13.2.1. The name, address and registration number of the supplier;
 - 13.2.2. The name and address of the recipient;
 - 13.2.3. An individual serialized number and the date upon which the tax invoice is issued;
 - 13.2.4. A description of the goods or services supplied;
 - 13.2.5. The payment certificate;
 - 13.2.6. The value of the payment certificate amount, the amount of tax charged and the description of the works completed;

14. IRREGULARITIES

- 14.1. 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.

15. JOINT VENTURES



- 15.1. In terms of the Preferential Procurement Regulations, 2022 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.
- 15.2. 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.
- 15.3. 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.
- 15.4. The joint venture or consortium must comply with Central Suppliers Database (CSD) registration requirements as per National Treasury directive.

16. LATE QUOTATIONS

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

17. NOTIFICATION OF AWARD OF BID

- 17.1. The successful bidder shall be notified via the issuing of order.

18. PAYMENT FOR SUPPLIES AND SERVICES

- 18.1. A contractor shall be paid by the Department in accordance with the services rendered as per the payment certificate.
- 18.2. There will be no payment for materials or equipment delivered to site, unless they have been installed or otherwise used in the construction process.
- 18.3. 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 a discount.
- 18.4. Any query concerning the non-payment of accounts must be directed to the Department. The following protocol shall apply if accounts are queried:
 - 18.4.1. Contact must be made with the officer-in-charge of the District Office;
 - 18.4.2. If there is no response from the District Office, the Director: Finance must be contacted.
- 18.5. Information as contained on the Central Suppliers Database must be valid/correct. Non-compliance with Tax Requirements shall affect payment.

19. PERIOD OF CONTRACT

- 19.1. The construction period for the Works up to practical completion will be four (4) months, starting with the site hand over.
- 19.2. The total construction period, up to Works Completion, will be no more than five (5) months.



20. QUALITY CONTROL/ TESTING OF PRODUCTS

- 20.1. The Department reserves the right to inspect and verify the quality and specifications of the supplied materials and equipment, as well as other items listed on the Bill of Quantities, before construction and/or 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.
- 20.2. The same replacement obligation to the Contractor would apply during installation and during and after commissioning.
- 20.3. 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.
- 20.4. 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.

21. ORDER OF PRECEDENCE

- 21.1. This invitation to bid/quote 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 National Treasury Government Procurement General Conditions of Contract (July 2010). The Special Terms and Conditions are supplementary to those 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.

22. SUPPLIERS DATABASE REGISTRATION

- 22.1. 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 the award. No pending registrations shall be considered.
- 22.2. 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.

23. TAX AND DUTIES

- 23.1. 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).

24. TAX COMPLIANCE PIN

- 24.1. 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.
- 24.2. 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.

25. UNSATISFACTORY PERFORMANCE



- 25.1. Unsatisfactory performance occurs when performance is not in accordance with the contract conditions.
- 25.2. 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).
- 25.3. If the Contractor fails to commence the Works or to proceed with and complete the Works in compliance with the projected timeframes, the Head of Department or his/her representative shall take action in terms of its his/her delegated powers and adopt and exercise one of the following courses wholly or partly, viz: -
 - 25.3.1. To direct the Contractor, in writing, on any day named therein to suspend and discontinue the execution of the Works, and to withdraw himself and his workmen from the said Site or Sites,
 - 25.3.2. To make a recommendation to the Accounting Officer for cancellation of the contract concerned.
 - 25.3.3. To Contract or Contracts by calling for Bids or otherwise with any other Contractor or Contractors for the completion of the Works, or any part thereof, at such times and upon such terms as to the Department shall deem best.
- 25.4. In relation to the foregoing provisions the Department shall charge any sums of money which may be paid by the Department for completing the said Contract against the Contractor and if such amount shall exceed this Contract, then the Department shall have the right to recover such excess or any balance thereof from the Contractor by legal proceedings.
- 25.5. When correspondence is addressed to the contractor, reference shall be made to the contract number/ item number/s and an explanation of the complaint.

26. VALUE ADDED TAX (VAT)

- 26.1. Bid prices must be inclusive of 15% VAT, if applicable.
- 26.2. 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.
- 26.3. For the purposes of calculating preference points, VAT shall not be considered during quotation process.

27. SERVICE LEVEL AGREEMENT

- 27.1. The successful Bidder and the Department will sign a Service Level Agreement (SLA) 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.
- 27.2. *The Special Terms and Conditions (STC), the Standard Technical Specifications (STS) and the Project Particular Specifications (PPS) as listed in this bid document are deemed to form part of the SLA.*

32. COMMENCEMENT OF THE WORK

- 32.1. Site establishment must start within two (2) weeks, and the actual works within three weeks after hand-over of the site, provided that;



- 32.1.1. An official order has been issued;
- 32.1.2. The contractor is in possession of all relevant documentation required for works execution;
- 32.1.3. No exceptional circumstances such as inclement weather or other outside the control of either party to the contract prevail.

32.2. In case work has not commenced within two (2) weeks of the site hand-over and no attenuating circumstances for the delay can be provided, the Department reserves itself the right to cancel the contract

33. HANDOVER OF SITE TO CONTRACTOR

- 33.1. The Department will organize a site hand-over to the contractor who will then be introduced to the project stakeholders and participants.
- 33.2. The site will be handed back at works completion after a final inspection by the Engineer revealed no outstanding patent defects.
- 33.3. The Contractor will control the site for the contract duration. Only the Contractor's own employees, Contractor's local labour and Departmental Representatives will be allowed on site.
- 33.4. The Contractor is responsible in the administration, control and security on the site at all times during the contract duration.

34. WATER AND POWER

- 34.1. 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 Preliminary & General section of the Bid/quoted amount.

35. LOCATION OF CAMP

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

36. HOUSING OF CONTRACTOR'S EMPLOYEES

- 36.1. The Contractor shall make his own arrangement for housing, payment and feeding 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.
- 36.2. 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. LABOUR SOURCE & CAPACITY

- 37.1. 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.
- 37.2. The contractor is encouraged to source unskilled labour from the project participants or local community. The Contractor and the Departmental representative (Engineer or local Agricultural



adviser) may negotiate with the participants in this regard to establish all the conditions for the utilization of the local labour.

- 37.3. The Contractor will be responsible for all hiring, payment, housing and transport of all labour used for the duration of the contract.

38. SECURITY & RISK

- 38.1. No one shall be allowed on the construction site after normal working hours except for the necessary security personnel.
- 38.2. The Contractor shall also be responsible for safeguarding all plants, machinery, equipment and materials on site. The Engineer shall not 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 & RESPONSIBILITY

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

40. EXISTING ROADS, MUNICIPAL PAVEMENTS, ETC.

- 40.1. The Contractor is advised that he will be held responsible for any damage to the existing pavings, roads, municipal pavements, fences, boundary walls, etc., and will have to repair such damage 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
- 41.2. The Contractor shall take every precaution against damage or nuisance being caused by dust both to the properties of the Department and all surrounding properties and shall indemnify the Department 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.
- 42.2. Should the Contractor damage underground cable or pipes, such damage shall be repaired as soon and safely as possible by the Contractor.
- 42.3. The cost of making good such damage will be met by the Contractor as this must be covered by the Contractors works insurance.



43. DAILY RAINFALL RECORDS

43.1. Submission of rainfall figures is required for the granting of permission of extending the contract period on the basis of inclement weather. If none are kept, the Engineer is under no obligation to grant extension of the completion period for 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. NOTICE OF COVERING WORK

45.1. The Contractor shall give due notice to the engineer whenever any work or materials are intended to be covered in with earth or otherwise in order that their correct dimensions and quality may be ascertained before being covered.

45.2. If any such work or materials are covered without such notice having been given, the work or materials shall be uncovered at the Contractor's expense on instructions given by the Engineer.

47. INSURANCE

47.1. All accepted approved contractors would be required to provide the following insurance's for the project awarded to them:

47.1.1. Insurance against damage, destruction or loss to 50% of the value of the contract.

47.1.2. Public Liability insurance.

47.1.3. All risks (works) policy and Political.

47.2. The Contractor shall provide the Engineer with proof that Insurance has been obtained for the contract period.

48. OCCUPATIONAL HEALTH AND SAFETY

48.1. Bidders (including those sub-contractors and/or suppliers who are preparing prices/quotations for submission to the main bidder) must ensure that they make adequate financial provision in their bids for full compliance with the *Occupational Health and Safety Act (85/1993): Construction Regulations, 2014*, as published in the *Government Gazette* of 7 February 2014, or later amendments thereto. Financial provision shall therefore be made by each Bidder for, inter alia, the following:

- Carrying out and documenting risk assessments of all work to be carried out under the contract.
- Preparation of safe work procedures.
- Preparation of an H&S plan, discussing it with the Department, and then amending it as agreed.
- Preparation of a Project H&S File to include all requirements of Annexure A.
- Regular updating of all of the foregoing.
- Provision of medical certificates of employees.
- Provision of PPE and protective clothing for employees
- Complying with all H&S requirements for the duration of the contract.
- Provision of forced ventilation (as required when working in confined spaces).



- The completion and checking of the safety file upon completion of the works and handing it over to the Department

48.3 To enable the Department to appraise the allowances that bidders have made for H&S in their bids, so that he/she can fulfil his/her obligations in terms of Clause 7 of the Construction Regulations, separate items have been included in the Bill of Quantities for Health and Safety.

48.4 Failure to submit realistic prices for the scheduled H&S items is likely to prejudice the bid.

48.5 The Principal Contractor and Sub-Contractors must submit proof of compliance with the OHS requirements table below with the construction phase H&S plan where applicable.

Table 1 – OHS Requirements and submission dates

PAM Item No.	Requirement	OHS Requirement	Submission Date
2.1	Notification of Intention to Commence Construction / Building Work	Complete Schedule 1 (Construction Regulations)	Before commencement on site
2.2	Assignment of Responsible Person to Supervise Construction Work	All relevant appointments, as per OHS Act and Construction Regulations.	Before commencement on site
2.3	Competence of Responsible Persons	Department Requirement & OHS Act	Together with H&S plan
2.4	Compensation of Occupational Injuries and Diseases Act (COIDA) 130 of 1993	COIDA Requirement	Together with H&S plan
2.5	Health and Safety Organogram	Department Requirement	Together with H&S plan
2.6	Initial Hazard Identification and Risk Assessment based on the Department's assessment	Construction Regulations.	Together with H&S plan
2.7	Medical Certificate of Employees	Construction Regulations	On commencement of construction.

48.6 The successful bidder shall be required to submit the Contractor's Health and Safety Plan as required in terms of Regulation 7 of the Occupational Health and Safety Act 1993 Construction Regulations 2014.

48.7 The Contractor shall 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 Act.

49. INJURY TO PERSONS

49.1. The Contractor shall be liable for and shall indemnify the department in respect of any liability, loss, claim or proceedings whatsoever, whether arising in Common Law or by Statute in respect of personal injuries to or death of any person whomsoever arising out of or in the course of or caused by the execution of the Works.

50. DISAGREEMENTS

50.1. 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.

50.2. 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 not alter the status of the works under contention.

51. FIXED PRICE CONTRACT

51.1. The contract shall **not** be subject to contract price adjustment.

52. PRICING - COMPLETENESS OF QUOTATION

52.1. 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. stream crossing bridges, pipes and wing walls and other). If he/she does not bid on all items, his/her bid will be rejected.

52.2. All bid/quoted prices for *line* items are to be in South African currency and must **exclude** VAT.

52.3. All items as described in the project specification are to be priced in full.

52.4. Transport/Delivery costs must be included in the pricing if the Pricing Schedule does not list them separately.

52.5. VAT must be filled in as the sub total followed by the complete price for the entire project.

52.6. The Bid price page must be signed by a person legally authorized to do so.

53. QUANTITIES OF WORK/ PAYMENT FOR SUPPLIES AND SERVICES

53.1. A contractor shall be paid by the Department in accordance with the services rendered as per the payment certificate.

53.2. There will be no payment for materials delivered to site if they have not been incorporated or installed or otherwise been made part of the permanent works. A deviation can only be considered if the Engineering representative has approved a written request from the Contractor for a special arrangement in this regards, prior to the delivery of the materials to site.

53.3. Any query concerning the non-payment of accounts must be directed to the Department.

The following protocol shall apply if accounts are queried:

1. Contact must be made with the Engineering representative or, if he were to be unavailable, with his/her delegate,
2. If there is no response from the ER or his delegate, the Deputy Director Landcare must be contacted.
3. If there is no response from the DD Landcare, the Director: Financial Accounting Services must be contacted;

53.4. Information as contained on the Central Suppliers Database (CSD) must be valid/correct. Non-compliance with Tax Requirements shall affect payment.

53.5. The Contractor shall receive payment only for the works actually executed and approved by the Engineer.

54. PROGRESS PAYMENTS



- 54.1. Payment shall only be made for claims that are commensurate with the works actually executed and complete. **No advances will be paid for deposits to be paid by the contractor to specialist supply companies, unless such has been explicitly agreed upon in the Service Level Agreement.**
- 54.2. Payment will only be made against the construction progress as pertaining to **built /installed** items. Movable items and materials on site are generally excluded from progress payments until they have been fully installed or fitted or built up.
- 54.3. If any item or part of an item in an invoice is disputed by the Engineer, the Engineer shall give notice of such with reasons.
- 54.4. The Engineer may elect to use a payment schedule that apportions a weighting for the various work phases, in those cases where the actual pricing schedule is not available or lacks balance.
- 54.5. The contractor shall be paid in up to a **maximum of seven** part payments. The Contractor is strongly advised to request **at least five** payments when being notified of him/her being awarded the contract.
- 54.6. Part payments will be made after the Engineer has approved the work and will be made in accordance with the Retention clause (56).
- 54.7. The penultimate payment occurs after practical works completion. The final payment will be made after the 12 months liability period when the contractor has dealt with all defects, if any.

55. COMPLETION OF THE WORKS

- 55.1. Work completion will be established over three stages.

- 55.1.1. Practical completion

This is defined as the stage when the works are found to be substantially complete and can be used for the purposes intended. This assessment will be solely made by the Engineer. When the Contractor thinks he has completed the works, an inspection will be made by the Engineer who will draw up a list of patent defects, commonly known as a "snag list", if any. *Patent defects* are defects that are visible or discoverable upon an ordinary and proper inspection.

- 55.1.2. Works completion

This stage will be reached after the Contractor has, to the sole assessment of the Engineer, fixed all defects listed on the snag list. It is at works completion that the Contractor will be paid out 50% of his/her retention money.

- 55.1.3. Final completion

Final Completion occurs 12 months after Works completion, after expiry of the liability period.

- 55.2. Certificates of Completion and Final Approval will be issued by the Engineer for practical and final construction completion.

56. RETENTION

- 56.1. A 10% retention will be withheld on payment for the duration of the construction.
- 56.2. The Department will pay out half of this retention, or 5% of the bid value as part of the second last payment at works **practical completion** of the works. The remainder, viz 5%, will be paid out at **final completion** after expiry of the defect liability period (6 months after works completion), the bidder having eliminated all defects.
- 56.3. In some instances, the Engineer may decide to shorten this period order to allow all payments to be completed within the financial year. However, this is **not** a given and the Contractor will be notified during the course of the construction if such would be the case.



57. DEFECT LIABILITY PERIOD

- 57.1. The defect liability period is 6 months calculated from the date of Works Completion.
- 57.2. The contractor shall unconditionally guarantee all materials, workmanship related to the works for that period. The guarantee shall cover any defects due to inferior materials and/or workmanship of the Contractor, or any of his sub-contractors, fair wear and tear excepted. The Contractor shall repair, remedy or replace any such defects, part or complete works without delay and at his own cost.

58. CONTINGENCIES

- 58.1. An amount of 10% of the subtotal for all materials, equipment and services has been set aside for Contingencies. This allowance will only be accessed for unforeseen additional expenditure not covered in the contract. **Payment of the Contingencies allocation is therefore not a given**, as the occurrence of limited, or even absence of any approved Contingencies will reduce the total amount paid out for this contract.
- 58.2. Approval from the Engineer for the use of the Contingencies allocation is required before any purchases can be made or work is started from this allocation. Any allowance must be in line with SCM Delegations.

59. PERIOD OF COMPLETION & RATE OF PROGRESS

- 59.1. The project has to reach practical completion **within 4 months** calculated from the date of site handover.
- 59.2. If the Works are delayed by any cause beyond the Contractor's control, the Contractor shall have the right within twenty-one days of any such cause of delay arising, to apply in writing to the Department to extend the date of completion, stating the cause of delay and period of extension applied for.
- 59.3. The Department upon receipt of such written application may by order in writing extend such date of completion by a period to be determined, or may refuse to extend such date of completion, or may postpone giving a decision upon such application until completion of the Contract period set out in sub-clause (a) of this clause.
- 59.4. The date of completion will be extended only to the extent approved by the Department.
- 59.5. Should the Contractor fail to apply in writing for an extension within the time set out above, or should the Department refuse to grant any extension in writing, then the Contract period provided shall not be exceeded.
- 59.6. When the Works are completed the Department will give a completion certificate and the date of such certificate shall be the date of commencement of the guarantee period.

60. PENALTY CLAUSE / FINES FOR LATE OR NON-COMPLETION

- 60.1. If the contractor does not complete the work within the time stipulated and no extenuating circumstances can be given for the delay, the Department may impose a fine as detailed below. The total will be subtracted from the retention allowance.
- 60.2. If the contractor fails to complete the works and the Department is forced to employ another contractor to complete the works, the defaulting contractor will be held liable for the costs as far they exceed the original total Bid value.
- 60.3. The department will deduct a penalty for late completion of up to **0.05% of the contract value per working day delay**. This will be deducted from the retention.



C | STANDARD TECHNICAL SPECIFICATIONS

1. PRELIMINARIES & GENERAL

The contractor is to note that all insurances (UIF, workmen 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 contractor's responsibility and attention throughout the contract duration until handover of the project. This item also includes Occupational Health & Safety Act requirements. The Department reserves the right to stop progress of the works in case of non-compliance until these conditions are complied with.

2. APPLICABLE STANDARDS: SPECIFICATIONS & MATERIALS

- 2.1. For the purpose of this Contract the relevant SANS specifications shall apply- specifically SABS 1200: *Standardized Specification for Civil Engineering Construction* specifications shall apply. The following sections shall in particular apply here:
 - 2.1.1. **SABS 1200 AA - 1986** (General - Small Works),
 - 2.1.1.1. Materials: SABS 1200 AA (3);
 - 2.1.1.2. Testing: SABS 1200 AA (7);
 - 2.1.2. **SABS 1200 DA -1988** (Earthworks - Small Works)
 - 2.1.3. **SABS 1200GA – 1982** (Concrete - Small Works).
 - 2.1.3.1. Materials SABS 1200 GA (3)
 - 2.1.3.2. Mixing, pouring and curing of concrete: SABS 1200 GA (5.4)
 - 2.1.3.3. Testing: SABS 1200 GA (7)
 - 2.1.4. **SANS 50197-1**: Cement: Common cement 32,5N or R to SANS 50197-1

3. APPLICABLE STANDARDS: EARTHWORKS AND SITE PREPARATION

- 3.1. Normal regulations regarding safety, municipal by-laws, contamination of water sources, erosion, siltation etc. will still apply.
 - 3.1.1. **SABS 1200 AA - 1986** (General - Small Works),
 - 3.1.1.1. Site preparations & establishment: SABS 1200 AA (4).
 - 3.1.1.2. Setting out of works: SABS 1200 AA (5.1.1)

4. APPLICABLE STANDARDS: STANDARD (ABRIDGED) PREAMBLE FOR ALL TRADES

- 4.1. All materials to be SANS approved and installed to applicable standards specified by SANS, NBR, or the manufacturer.

5. MATERIALS AND CONSTRUCTION

- 5.1. All materials must be newly purchased and conform to SABS specifications for the products. This includes all items such as bricks, blocks, brick reinforcement, damp proofing, lintels, glazing, plumbing and drainage, curtains, etc... 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 CNCI standards and recommendations

6. STANDARD CONCRETE MIXES

- 6.1. Cement and aggregates shall be mixed by volume and the contents of a 50kg sack of cement shall be taken to be 0,033m³.
- 6.2. 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.
- 6.3. Concrete for non-structural purposes shall be "Prescribed mix concrete" produced in accordance with the requirements indicated in Table 3.

TABLE 3: STANDARD CONCRETE MIXES					
Class of Concrete	Min. Compressive Strength in MPA at 28 Days	Max. Nominal Size of Coarse Aggregate in mm	Proportion of Constituents >> 1 Wheelbarrow = 2 bags of cement <<		
			Cement (Parts)	Sand (Parts)	Stone (Parts)
A	10	37,5	1	4	5
B	15	19,0	1	3	4
C¹	20	19,0	1	2.5	3.5
D²	25	19,0	1	2	3
E	30	19,0	1	2	2½
¹ This project: foundations			1 (=2 bags)	4	4
² This project: shed floor, tank stand slab, apron			1 (=2 bags)	3	3

7. STANDARD PLASTER & MORTAR MIXES

- 7.1. The standard plaster mixes are as listed in Table 4:

TABLE 4: STANDARD PLASTER MIXES				
PLASTER CLASS:	MIX RATIO: (By Volume)	MASONRY CEMENT: kg	LIME: L	SAND: (loose and damp) L (max)
Rich mix (fdns, wet areas)	1 : 4	50	0-10	130
General purpose	1 : 5	50	0-40	165

- 7.2. The standard mortar mixes are as listed in Table 5:

TABLE 5: STANDARD MORTAR MIXES				
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
This project	1 : 5	50	0-25	165

8. FINISHES TO IN-SITU CONCRETE

8.1. Class U1 Ordinary Finish

Immediately after placing, the concrete shall be finished rough by screeding with the edge of a wooden board of straight and true line and working between guides set accurately to level. No mortar shall be added and noticeable surface irregularities caused by the displacement of



coarse aggregate shall be made good by re-screeding after removing or tamping down the offending aggregate.

8.2. Class U2 Wood Float Finish

The concrete surface shall first be brought to the standard Class U1 ordinary finish and then floated with a wood float. Floating shall be started as soon as the screed finish is stiffened sufficiently and bleed water has evaporated or been removed and it shall be the minimum necessary to produce a surface free from screed marks and uniform in texture.

8.3. Class U3 Coarse Brush Surface Finish

The concrete surface shall first be brought to a Class U1 ordinary finish. A coarse brush finish is then applied with a coarse bristle brush. "Brushing" shall be started soon after screeding to produce a uniform patterned coarse surface finish with a rough surface texture in the direction of the desired drainage direction.

8.4. Class U4 Steel Float Finish

The concrete surface shall first be brought to the standard Class U1 ordinary finish and then floated with a steel power float. Floating shall be started as soon as the screeded finish is stiffened sufficiently and bleed water has evaporated or been removed and it shall be the minimum necessary to produce a surface free from screed marks and uniform in texture.

9. SITE CLEARANCE

9.1. Applicable standards

SANS 2001 - Construction Works Part BS1: Site Clearance. SANS 2001 standard specifications are deemed to satisfy the provisions of SANS 10400 (The application of the National Building Regulations).

9.2. Areas to be cleared and grubbed.

Both borrow areas and the portions of the site on which excavations are to be carried out and the shed constructed, shall be cleared or grubbed, or both, the Contractor shall excavate the top 150mm of topsoil including all of the smaller vegetation (grass and shrubs, bushes) and stockpile it. The contractor shall not commence with clearing and grubbing until the Department's Agent has designated, the exact areas to be stripped of topsoil and the time at which the work to be started.

9.3. Cutting of trees

- 9.3.1. *Precautions.* The contractor shall take the necessary precautions to prevent injury to persons and animals and damage to structures and other private and public property. Where necessary, trees shall be cut in sections from the top downwards.
- 9.3.2. *Branches overhanging boundaries.* The branches of trees to be left standing shall be so trimmed as not to encroach upon the space (of height at least 7m) vertically above any carriageway, railway formation, or other designated area.
- 9.3.3. *Preservation of trees.* No tree shall be cut down until the engineer has given written authorization for such work to commence.

9.4. Clearing

9.4.1. Clearing shall consist of:

- 9.4.1.1. The removal of all trees, rubbish, fences, and all other material that may interfere with the construction of the work.
- 9.4.1.2. The disposal of all material resulting from clearing.
- 9.4.1.3. The removal of rocks and boulders of size up to 0.15m³ that are lying on the surface to be cleared or exposed during the clearing operations.
- 9.4.1.4. Where fences have to be taken down, sorting, coiling, and stacking of the material.
- 9.4.1.5. The removal and stacking of other reusable materials as scheduled.



9.4.2. *Haulage*. The moving of a certain amount soil or gravel may be inherent in or unavoidable during the process of clearing. No extra payment will be made for the removal such soil or gravel.

9.4.3. *Re-clearing of vegetation*. If during the contract period vegetation should again grow on any portion of the site, borrow areas, or the areas that have been cleared in accordance with the specification, the Engineering Representative may, if considers it necessary, order that such area be re-cleared. Such re-clearing shall include the removal and disposal of grass, shrubs, and other vegetation, as in the first clearing operation.

9.5. Grubbing

9.5.1. Stumps and roots larger than 75mm in diameter shall be removed to a depth of at least 600mm below the finished level and at least 100mm below the original ground level. Where the area has to be compacted, all stumps and roots including matted roots shall be removed to a depth of at least 200mm below the cleared surface.

9.5.2. Except in borrow areas, cavities resulting from grubbing shall be backfilled with approved material and compacted to a density at least equal to that of the surrounding ground.

9.6. Conservation of topsoil

9.6.1. The terms of Sub-clause 5.2.2 of SANS 1200DA: 1988 shall apply.

9.7. Site leveling and landscaping

9.7.1. Levelling and landscaping. **The area to be levelled is 25 x 25m** and should allow for the placement of a shipping container. After completion of the construction of the nursery those areas affected by the levelling will need to be landscaped, that is all cut soil will need to be spread out uniformly over the area/slopes adjacent to the nursery area, and destroyed vegetation is to be removed or be cut into chips and used as cover for the areas which are cut.

9.8. Other general works specifications

9.8.1 Site demarcation. The nursery layout must be pegged out by the contractor and will be checked by an Engineering representative before actual works can begin..

9.8.2 Safeguarding of materials. All material to be supplied and delivered to site. Proper security measures must be implemented in consultation with the school principles to safeguard it prior to installation. It is the contractor's responsibility to ensure the correct material is delivered and measures are taken to safeguard it until the project is handed over.

9.8.3 SABS Compliance. Sound engineering practices and adherence to the relevant SABS construction codes should be applied to secure integrity of the structure. In the absence of compliance and proof of improvement after having been pointed out shortcomings by the Departmental representative, the contractor may be instructed to halt construction and be replaced by another contractor.

9.8.4 Surplus material. Surplus material will be retained by the department and should any surplus material be taken by the contractor, or any material not be supplied, payment will be made based on what has been actually used/put in (to) the scheme. All material must be checked by a departmental representative prior to installation.

9.8.5 Completion & Hand over. The nursery must be fully functional on completion. The contractor will remain responsible for the nursery including all materials, and the official hand over and final payment will not take place until such time that the entire structure is fully functional and all defects have been repaired.

9.8.6 Commissioning/Completion. The nursery must be fully functional on completion. The contractor will remain responsible for the nursery including all materials, and the official hand over and final payment will not take place until such time that the entire structure is fully functional and all defects have been repaired.



9.8.7 Leveling of cut soil. Soil heaps resulting from the leveling/clearing process must be leveled before the contractor leaves the site.

**D | SCOPE OF WORKS****1. Construction of a seedling nursery and ancillary works**

- 1.1. Site clearing & levelling (STS 9.1-9.7 & PSS 1.1)
- 1.2. Erection of a 16 x 16m shade cloth nursery (poles + shade cloth netting). (PSS 1.1 & 2.1 & 2.2)
- 1.3. Construction of a concrete worktable for the filling of the seed trays (PSS 2.3)
- 1.4. Construction of a seedling tray rack (PSS 2.4)
- 1.5. Construction of a soil pit/planting area (PSS 2.5)
- 1.6. Covering of the nursery floor with a course of 50mm gravel on top of plastic sheeting (PSS 2.6)
- 1.7. Installation of two brass taps against poles on opposite ends of the nursery, plus connection to the nearest municipal distribution network (PSS 2.7)
- 1.8. Supply & installation of two water tanks (BoQ section 23)
- 1.9. Construction of 2 cement block tank stands (Drawing TAN/RDN/2014/02R)
- 1.10. Supply of consumables.(BoQ Item 22)
- 1.11. Erection of a 1.70m high fence (25 x 25m) around the nursery. (STS 3.1, 3.2 & 3.3, Option 1).

**E | PROJECT SPECIFIC SPECIFICATIONS****1. EARTH WORKS**

- 1.1. **Clearing:** removal of vegetation and top 100mm of soil (25 x 25m).
As per Standard Technical Specifications sections 9.1 - 9.6.
- 1.2. **Leveling (General: as per STS section 9.7.)**
 - 1.2.1. Nursery area (25 x 25m) to be level as much as possible. A uniform slope of up to 0.5% will be allowed towards the downhill side of the platform to allow run off.
 - 1.2.2. All embankment slopes for cut and fill work above, below and on the sides of the nursery to be 1.5: 1 minimum.
 - 1.2.3. If the nursery is to be built on a slope and a platform is required with compacted fill, the poles should still be placed as much as possible in the cut area of the platform, and **not** in the compacted fill area.
 - 1.2.4. Compaction of leveled area and surplus cut to Mod AASHTO 90%. All unused soil to be spread out and flattened.

2 NURSERY PROPER**2.1 ANCHORS AND POLE BASES**

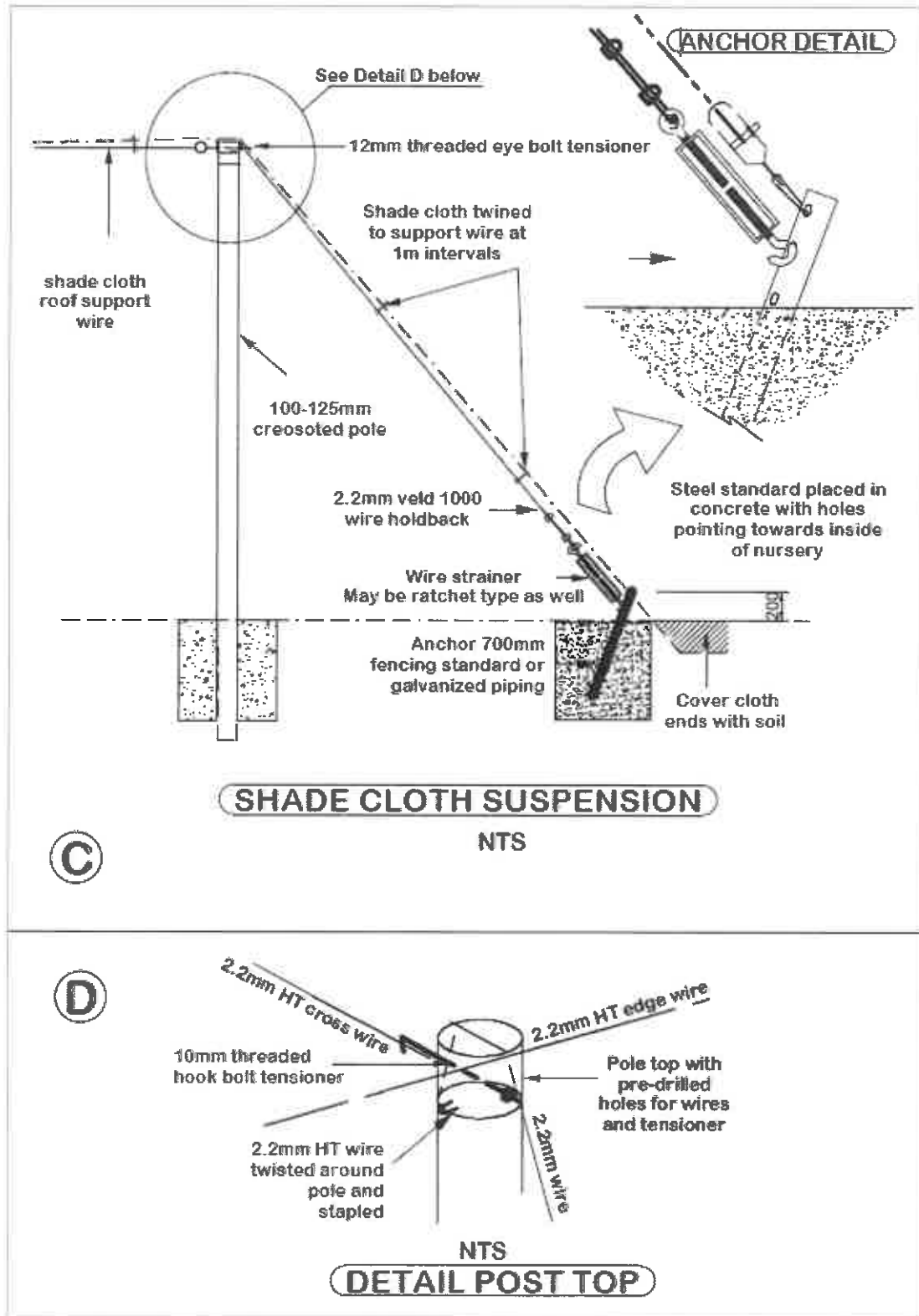
- 2.1.1 Pole bases: Required concrete mix should be 20MPa/19mm. Dimensions pole bases: 400 (l) x 400(w) x 600(h) mm. Poles foot to be free draining and no concrete to be placed below pole foot. Concrete and poles to be placed on 50mm of gravel to allow drainage.
- 2.1.2 Anchor could be M10 x 80mm eyebolts, shield anchor expanding Rawl type. See *Drawing 3B*. Eyebolts to be drilled into **cured** concrete and **not** to be cast in during the casting of the concrete.

2.2 EXTERNAL STRUCTURE

- 2.2.1 All poles for the nursery structure to be CCA treated hardwood round poles, to SANS 457, size 3000 x 100-125mm.
- 2.2.2 Poles to be in 400 x 400 x 600mm concrete footing 20MPa/19mm.
- 2.2.3 2.2mm high tensile fully galvanized wire for shade cloth support to run from pole to pole following the roof perimeter (stapled onto pole top) and across (tied onto 10mm threaded hook bolt or eye bolt and strained). See *Drawings 3* for details. Use 32mm staples.
- 2.2.4 2.2mm Veld 1000 wire for cloth hold back along the sides, wound around post top and fixed with staples, tensioned by turnbuckle tensioner attached to Rawl eye bolt. See *figure 1*.
- 2.2.5 Use 2.0mm galvanized wire to connect the wire tensioning ratchet to the eye bolt fixed in a concrete footing. See *figure 1*.
- 2.2.6 Entry gate to be HDG 900x1800mm, round or square tubing 40 x 2.0mm minimum. Frame to be closed with weld mesh 50 x 50 x 2.0mm. Two extra 3000 x 100-125mm posts with cross pole (1100 x 100-125mm) are required for gate frame. Space above gate to be closed with shade cloth.
- 2.2.7 Another 2 extra poles are required in the middle of the nursery to provide support for the cross wiring. See *Drawing 1 (RDN/2012/16R/NUR)*.



Figure 1: Shade cloth suspension and details of anchoring and post top cross wire connection



2.3 WORK TABLE (SEE DRAWING 2A)

- 2.3.1 Top & shelf: 35MPa/13mm concrete, glass or synthetic fiber reinforced (0.2% volume) with Resin coated fibre glass mesh 10 x 10mm reinforcement placed at 1/3 of the depth of the slab. See drawing 2A2. Rounded off edges. Table blade to be polished.



- 2.3.2 Countertop **thickness**: 100mm. Total length of table: 9000mm. Width: 900mm.
- 2.3.3 Table slabs (precast - 1800 x 900 x 60mm) to be placed on ten (10) M150 cement block legs/support walls of 800mm length each placed 900mm CTC apart.
- 2.3.4 To prevent the two blades at the end of the table from shifting 2 x 2 (per slab) **angle iron bars** 800 x 50 x 50 x 3.0mm are to be mounted on the bottom of the slab 150mm apart that will straddle the M150 block legs. See *Drawing 2: Details*.
- 2.3.5 Total table height: 660mm with blades placed on 4 courses of M150 blocks, 1 course below ground.
- 2.3.6 Storage shelves at 200mm above ground level placed on 2 courses of M100 blocks.
- 2.3.7 Block legs to be plastered (Rich mix: 1:4).
- 2.3.8 Foundation: 15 MPa/19mm 1100 x 500 x 150mm (x 8) and 1100 x 400 x 150mm (x2) for end walls/legs.
- 2.3.9 The table will be smoothed and polished twice with Cobra floor polish.

2.4 TRAY RACK

- 2.4.1 One rack to be constructed, dimensions 9000 x 2100 x 700mm.
- 2.4.2 Poles to be:
- 3000 x 75-100mm (longitudinally)
 - 2100 x 75-100mm (across)
 - 1200 x 100-125mm (posts)
- 2.4.3 Use 2.0mm binding wires 150mm apart (15 lines) for nursery tray support. Fix with staples hammered in under an angle of 45 degrees with the wire.
- 2.4.4 Use 200 cavities/cells polystyrene seed trays and fill with Seedling Mix.

2.5 SOIL PIT/PLANTING AREA

- 2.5.1 Pit dimensions 8800 x 2700 x 600mm, divided in two compartments. See figure 1A and 1B
- 2.5.2 Use M150 blocks (fill with mortar), 3 courses, one of which below ground on a 15MPa/19mm 400 x 150mm strip foundation. Pit wall to be bag washed on inside and outside.
- 2.5.3 Construction guidelines:
- Cut out pit trenches for foundations 400 x 300mm and cast concrete (150mm).
 - After concrete has cured remove rest of the soil inside the foundation down to foundation level;
 - Dig drain trench in centre 300 mm wide and 300 mm deep and extend to outside nursery, total length 15m.
 - Fill trench with 19mm stone wrapped in biddim (geotextile).
 - Build up walls.
 - Fill pits back with top soil (do **not** use sub-soil. Remove grass/weeds) and add 20 x 30L bags of garden compost and 10 x 30l bags of kraal manure to top 300mm of backfill.
 - See table on next page for mix ratios for the soil pits.



Figure 2: Plan and section drawings of Soil Pit/Planting bed

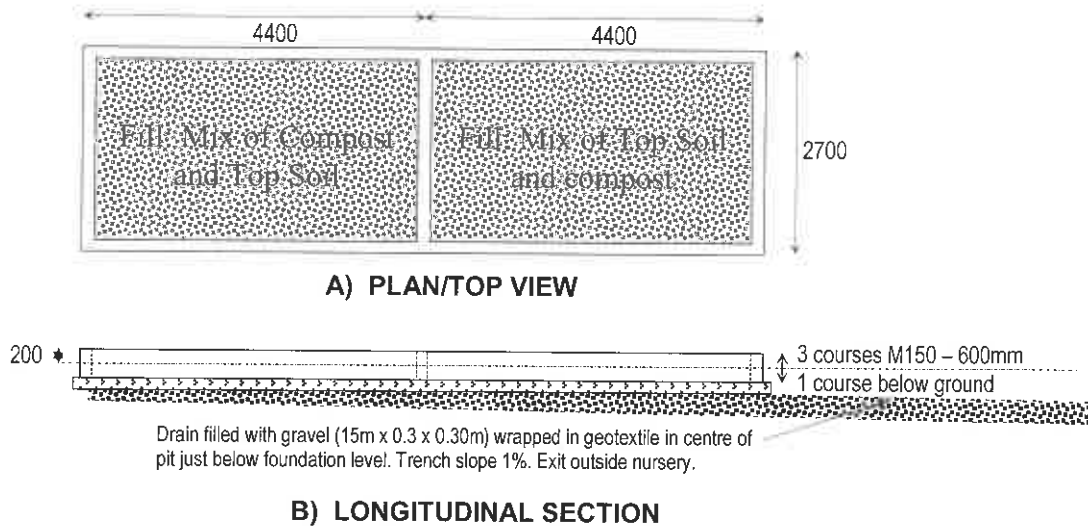


TABLE 6 MIX RATIO'S FOR SOIL PIT MIX							NOT APPLICABLE		
Volume of top soil (L)	Volume of Wheelbarrow (L)	No. of WB	Bags Kraal Manure (KM)	Vol/Bag (L)	Volume kraalmanure (L)	WB KM (No.)	Bags of Compost (No.)	Vol. Compost (L)	WB Compost (No.)
12000	65	185	10	30	300	4.6	20	600	9.2
	Mix ratio	40				1.0			2.0

2.6 PASSAGES

- 2.6.1 Course of 50mm of 13mm gravel to be applied as soil cover inside the entire under cover structure.
- 2.6.2 Gravel to be laid on 500micron black HDPE fish pond lining. Lanes to overlap 150mm.

2.7 BRASS TAP

- 2.7.1 Nurseries will have two brass taps installed on a steel stand pipe which will be attached to one of the poles. Connection to water source with 25mm dia. LDPE piping, plus fittings (15-50m).

2.8 SHADE CLOTH

- 2.8.1 Type: 40% Green. To be fastened unto the steel cross wires running over the centre and 2nd and 4th pole lines in longitudinal direction by a **continuous twine** in order to prevent billowing during strong winds.

3 TECHNICAL SPECIFICATIONS FENCING

3.1 DIMENSIONS

- 3.1.1 Approximate dimensions fencing perimeter: 25m x 25m (multiples of 3m, the pole distance). Total fence length: 100m.

3.2 MATERIALS

- 3.2.1 Use 1.2m high **hinged joint mesh fencing** with verticals maximum **150mm** apart. (Bonnox, Veldspan or similar).
- 3.2.2 Use **CCA treated** poles of 2.4m/100-125mm (49x), to be placed in 600mm deep augured holes. Use 2.4m long 125-150mm posts (6x) in corners and for the gate. Box braces are 1.2m (2.4m poles cut in half).



3.3 SPECIFICATIONS (SEE FIGURE 4)

- 3.3.1 Concrete footings. Only the 16 corner and gate posts to be in a free draining **concrete** (15Mpa/19mm) footings. Concrete base dimensions: 350 x 350 x 600mm. Distance between poles: 3.00m.
- 3.3.2 Use double boxes in all 4 corners and single ones at the gate. See Figure 4A below.
- 3.3.3 Use 32mm wire staples (5 per pole) stapled at a 45 degrees angle over the horizontal wires to staple fence to pole.
- 3.3.4 Two strands of binding wire at 400mm and 800mm height to attach the fence to. Straining wires making part of the hinged joint fence to be properly strained.
- 3.3.5 Three strands of double stranded barbed wire 150mm apart to run above fence properly fixed to poles and the top of the hinged joint mesh.
- 3.3.6 Flat wrap razor mesh coils to be installed against the barbed wire strands. Please note this is not shown on Figure 3.
- 3.3.7 Entry gate in fence at front of shed to be 0.9 x 1.8m, pipes bore 40mm x 2mm. Gate to be clad with 50mm x 50mm of weldmesh on top of the closure the gate comes with. Weldmesh to be properly secured to gate frame with steel wire at 500mm intervals.
- 3.3.8 Locks: a combination of a hardened chain and padlock of a reputable make (e.g. Union, Yale, Abus) make should be used.
- 3.3.9 Another option is to just have a 1.20m high hingejoint fence without barbed wire. See figure 5.

Figure 4A: Nursery fencing – Option 1 – 1.70m high. 1.20m hinge joint mesh + 3 strands of barbed wire

Razor coils running against barbed wire are not shown on this drawing

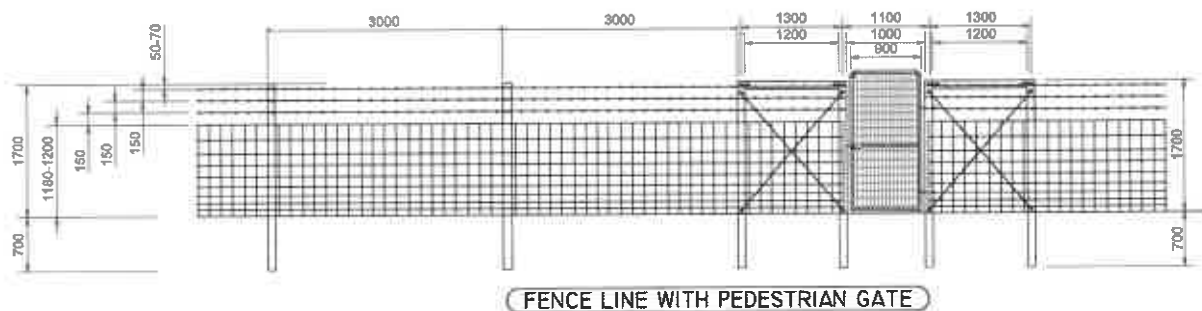
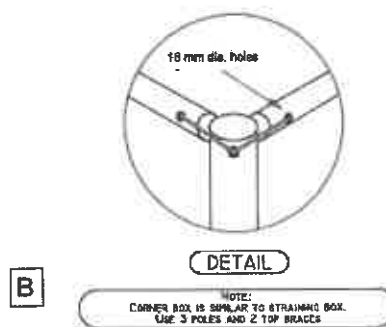
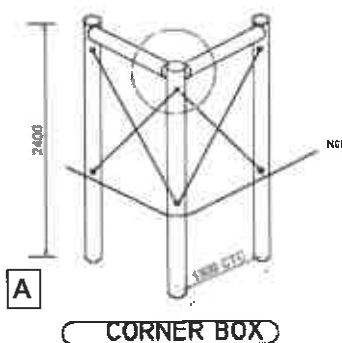


Figure 4B: Nursery Fencing – Option 1 –Details



C - Notes

- SANDY SOILS REQUIRE A REFILL OF SOIL CRETE = 10%SOIL/CEMENT MIX.
- HOLES DRILLED THROUGH POLES AS SHOWN FOR TIES ON INSERT IN DRAWING.
- BOXES BRACED WITH DIAGONAL DOUBLE 8 GA WIRE STRANDS TWISTED TO TENSION. BRACE OR "BOX" 1300MM WIDE CTC. (CUT ONE 2.4M POLE IN HALF).
- USE WIRE STRAINER FOR TENSIONING OF STRANDS. ANCHOR END OF WIRE ON BOX BEFORE STRAINING.

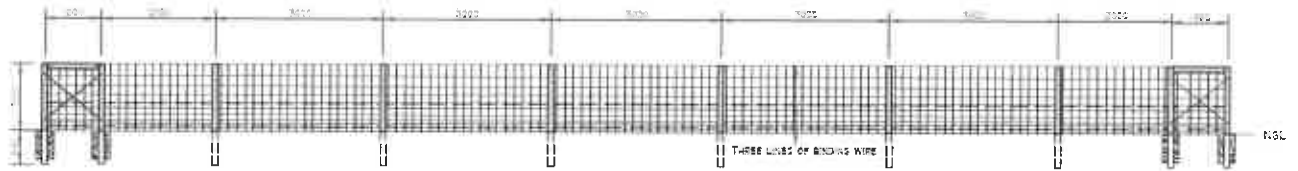


Figure 5: Nursery Fencing – Option 2 – 1.20m high, 1.20m hinge joint curtain only

NOT REQUIRED FOR THIS CONTRACT

HINGED JOINT FENCING FOR 16M X 16M SCHOOL SEEDLING NURSERY

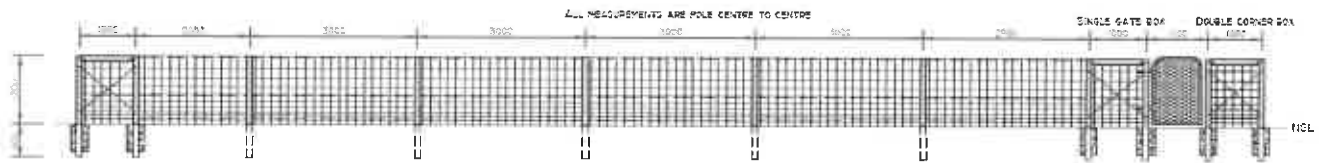
IS MPA CONCRETE FOOTING 300 X 300 X 500MM FOR ALL BOXES



SIDE AND REAR VIEWS

NOTES

- 1) ALL POLES 75 (60MM) X 1.20M
- 2) HINGED JOINT FENCING 1.20M HIGH
- 3) ONLY BOX POSTS TO HAVE CONCRETE FOOTINGS (1A)
- 4) IS MPA CONCRETE FOOTING 300 X 300 X 500MM FOR ALL BOXES
- 5) BINDING WIRE AT 100MM/500MM/200MM ABOVE GROUND



FRONT VIEW (WEST)

SCALE: 1:60 (A3) | DATE: 15 SEPTEMBER 2018 | DRAWING: R.DE NEEF



APPENDIX 1

PRICING SCHEDULE

Section A

Preliminary & General

NOTES

1. In case any items of the BoQ have been priced in such a manner that they lack realism, they will be balanced against other items at the start of the contract.
2. Payment of time related P&G's will generally be pro rata the progress made and not necessarily as per the time elapsed since commencement of the works.



APPENDIX 1 | PRICING SCHEDULE | SECTION A | PRELIMINARY & GENERAL | PAGE 1

ITEM #	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1200A	BILL NO. 1 - PRELIMINARIES				
1.1	8.3	FIXED-CHARGE & TIME RELATED ITEMS ¹ Contractual Requirements				
1.1.1	8.3.1	The sum shall cover the Contractor's initial costs of providing sureties, insurance of the Works and plant, third party or public liability insurance and unemployment insurance	Sum	1	=====	R
1.1.2	8.3.2	Establishment of Facilities on the Site : Facilities for Contractor				
	8.3.2.2	The sum for this item in 8.3.2.1 and 8.3.2.2 shall cover the cost of providing, establishing and commissioning on the Site these facilities adequately equipped to allow the work to commence and to proceed to completion as required in terms of the contract.				
1.1.2.1		a) Offices and storage sheds	Sum	1	=====	R
1.1.2.2		e) Ablution and latrine facilities	Sum	1	=====	R
1.1.2.3		f) Plants, tools and equipment Designated tools & equipment or tools & equipment for designated operations or plant for use during stated period. Applicable only to specifically identified tools and equipment.	Sum	1	=====	R
1.1.2.4		g) Water supplies, electric power and communications	Sum	1	=====	R
1.1.2.6	8.3.4	Removal of Contractor's Site establishment on completion The sum shall cover the cost of the demolition on and the removal from the surface of the Site of all items established in terms of 8.3.2 and 8.3.3, and shall provide for the making good and the restoring of the Site to the satisfaction of the Engineering Representative.	Sum	1	=====	R
1.1.2.7	PAM 8.2.1	All costs and obligations to comply with the OHS Act Construction Regulations See Annexure B (Contractors Health and Safety Declaration) and STC Section 48 (OHS)	Sum	1	=====	R

Sub-Total Page 1 > Transfer To Summary Page >> **R**

¹ Amounts or parts thereof will only be paid out if actual approved expenditure has occurred. <<<



APPENDIX 1 | PRICING SCHEDULE | SECTION 1 | PRELIMINARY & GENERAL | PAGE 2

ITEM #	PAYM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.3	8.5	SUMS STATED PROVISIONALLY BY ENGINEERING REPRESENTATIVE ¹				
	8.5	<u>a) For work to be done by Contractor and valued in terms of the "valuation of variations" clause in the contract conditions</u>				
1.3.1		Allow for provisional sum for repairs to damaged services which could have been reasonably foreseen and for the relocation of services	Prov. Sum ¹	=====	=====	R 10,000.00
1.3.2		Overheads, charges and profit on item A.3.1. Percentage tendered (11% max.): >>.....%	Sum	%	R 10,000.00	R
	8.5	<u>b) For work to be done by Nominated Sub-Contractor</u>				
1.3.3		Density tests of all soil compactions on instruction by Engineering Representative	Prov. Sum ¹	=====	=====	R 5,000.00
1.3.4		Overheads, charges and profit on Item A.3.5. Percentage tendered (11% max) >>.....%	Sum	%	R 5,000.00	R
1.3.5		Test cubes for concrete compression tests Sets of 2 (7 day and 28 days) cubes <i>Tests to be performed by SANAS accredited testing laboratory.</i>	Prov. Sum ¹	=====	=====	R 5,000.00
1.3.6		Overheads, charges & profit on Item A.3.7. Percentage tendered (11% max) >>.....%	Sum	%	R 5,000.00	R
Sub-Total Page 2 > Transfer To Summary Page >>					R	

¹ Provisional amounts or parts thereof will only be paid out if actual approved expenditure has occurred.



APPENDIX 1

PRICING SCHEDULE

Section B

NURSERY STANDARD WORKS

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 3**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	EARTHWORKS				
3.1	SITE CLEARING (25 x 25m)				
3.1.1	Site clearing (clear vegetation & trees of girth < 1m)	m ²	625	R	R
3.2	REMOVAL OF TOP SOIL AND LEVELING				
3.2.1	Remove 100mm topsoil. Stockpile within 0.5km if required (25m x 25m).	m ³	62.5	R	R
3.2.2	Site Leveling (25 x 25m)	Sum	1	R	R
3.3	EXCAVATION OF FOOTINGS				
3.3.1	Excavation of pole footings for nursery structure: 22 Poles @ 400 x 400 x 600mm	m ³	2.1	R	R
3.3.2	Excavation of anchoring blocks: 22 blocks @ 500 x 500 x 500mm.	m ³	2.8	R	R
3.4	COMPACTION				
3.4.1	Mechanical Compaction of the levelled area, embankment and surplus cut to Mod AASTO 93% by plate compactor or ride-on roller	m ²	625	R	R
4	CONCRETE-FORMWORK & REINFORCEMENT				
4.1	UNREINFORCED CONCRETE				
4.1.2	20 Mpa/19mm (1 : 2.5 : 3.5) for pole bases & anchor blocks.	m ³	4.9	R	R
7	WATERPROOFING				
7.1	WATERPROOFING MEMBRANES				
7.1.1	500 micron black HDPE fish pond lining for nursery floor.	m ²	250	R	R
12	IRON MONGERY				
12.1	STEEL GALVANISED WIRE				
12.1.1	Wire - 2.2mm high tensile galvanized steel wire for shade cloth support & (horizontal at ground) holdback and tray rack	m	450	R	R
12.1.2	2.0mm binding wire (fully galv.) for rack poles & cross bars.	m	50	R	R
SUBTOTAL PAGE 3. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 4**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.2	FASTENERS				
12.2.1	HDG Wire tensioner anchor: turnbuckle eye-eye type	No.	22	R	R
12.2.2	M10 x 80 Eye bolts shield anchor - expanding rawl type	No.	22	R	R
12.2.3	Cross wire tensioner - ratchet type or hook bolt tensioner	No.	12	R	R
21	EXTERNAL WORKS				
21.1	CCA TREATED HARDWOOD POLES CCA treated hardwood round poles, to SABS 45				
21.1.1	3.0 m x 125-150 mm diameter vertical posts for structure	No.	22	R	R
21.1.2	3 x bracing poles above entry gate (900 - 500 - 500 x 100-125mm)	Sum	1	R	R
21.1.3	Plastic conduits 15mm dia.x 200mm length for steel cross wires roof	No.	22	R	R
21.2	SHADECLOTH				
21.2.1	40% Green. App. 4 rolls of 30m x 3.00m	m ²	360	R	R
21.2.2	Shade cloth binding wire/twining.	m	200	R	R
21.3	GATES				
21.3.1	Steel nursery gate 900 x 1800mm, including weld mesh, hinge bolts, latch	No.	1	R	R
21.4	FLOOR COVERING				
21.4.1	Gravel for nursery ground cover (13mm stone) and for 50mm drainage layer under concrete pole footing. Quantity based on Bulk Factor 1.15	m ³	15.0	R	R
21.5	LABOUR AND SUPERVISION				
21.5.1	Labour and supervision for the installation of the shade cloth and the laying of the plastic sheeting and placement of the gravel.	Sum	1	R	R
SUBTOTAL PAGE 4. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 5**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
22	CONSUMABLES				
22.1	GARDENING ITEMS				
22.1.1	Plastic Unigro reusable seed trays with 128 loose inserts for tree propagation.	No.	14	R	R
22.1.2	Nursery trays - Polystyrene, 200 cells/cavities	No.	100	R	R
22.1.3	Nursery trays - Polystyrene, 98 cells/cavities	No.	50	R	R
22.1.4	Watering cans (10L)	No.	4	R	R
22.1.5	Long handle spades	No.	4	R	R
22.1.6	Wheelbarrow Steel 1.8mm min. Solid rubber wheels. 65L capacity.	No.	2	R	R
22.1.7	Secateurs (pruning shears)	No.	2	R	R
22.1.8	16L Knapsack sprayers (Matabi)	No.	2	R	R
22.2	SOIL & COMPOST				
22.2.1	Garden compost - Bags of 30L	No.	20	R	R
22.2.2	Seedling mix - bags of 10 kg	No.	10	R	R
22.2.3	Kraal manure to be mixed with soil pit back fill/top soil. Bags of 30L	No.	30	R	R
22.2.4	Top soil to refill the soil pit	m ³	6.0	R	R
SUBTOTAL PAGE 5. TRANSFER TO SUMMARY PAGE >>				R	



APPENDIX 1

PRICING SCHEDULE

Section C

NURSERY OPTIONAL WORKS



APPENDIX 1 | PRICING SCHEDULE | SECTION C | OPTIONAL WORKS | PAGE 6

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23	OPTIONAL WORKS				
23.1	WATER TANK & TANKSTAND				
	<u>Water Tanks</u>				
	Supply & Installation (on top of a tankstand)				
23.1.1	5000L PE tank with fittings (other than those mentioned below).	No.	2		
	Aluminium down pipes from existing gutters into tanks. Three sets of 3 straights (2 verticals of app 300mm plus one diagonal one of app 2m); plus two bends (120 degr.)	Sum	1		
23.1.2	<u>Tank stands</u>				
	<i>Construction of 2 cement blocks water tank stands. 25 MPa/19mm concrete slab on top of a three courses high M150 support wall. Wall on top of a 500 x 200mm strip foundation. See Drawing TAN/RDN/2014/02R</i>				
	<i>Approximate BoQ for all building materials:</i>				
	<i>1) Packets of cement: 8</i>				
	<i>2) Umgeni sand: 1.0 cu.m</i>				
	<i>3) 19mm stone: 1.3 cu.m</i>				
	<i>4) M150 blocks: 52 (Incl. 10% B&C)</i>				
	<i>5) Y8 rebar 2.00m</i>				
	<i>6) Ref 395 mesh 2.00 x 1.65m</i>				
	<i>7) Galv steel wire 20m x 2.0mm</i>				
23.1.3	30 MPa/19mm for slab	m ³	0.31		
23.1.4	15 MPa/19mm concrete for strip foundation	m ³	0.72		
23.1.5	Shutterply 1.75 x 300 x 22 mm for slab	m ²	2.1		
23.1.5	M150 Block wall	m ²	4.2		
	<u>Steel</u>				
23.1.6	Galvanised steel wire 2.0mm	m	20		
23.1.7	Y8 rebar for the bracket for the hold-down straining wire	m	2		
23.1.8	Ref 395 mesh. Include spacers	m ²	2		
23.1.9	Brass taps 20mm – closable. Incl.fittings	No.	3		
23.2	TRENCH AND PIPING FROM WATER SOURCE TO NURSERY/TANK STAND				
	Excavation of pipe trench from water source to nursery. Dimensions: (300mm (w) x 600mm(d), or 0.18m ³ per meter length of trench), backfill & compact. App. 200m.	m ³	36		
23.2.2	Supply and installation of pipeline from water source to nursery tap stands. Including 32mm/Class 6 LDPE pipe and all fittings >> Length of the pipeline: 200m	Sum	1		
SUBTOTAL PAGE 6 - TRANSFER TO SUMMARY PAGE >>				R	



APPENDIX 1 | PRICING SCHEDULE | SECTION C | OPTIONAL WORKS | PAGE 7

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23	OPTIONAL WORKS (CTD)				
23.3	FENCING <i>25 x 25m 1.2m high hinged joint fencing with 3 strands of barbed wire plus razor coils. Posts 3.0m apart. Area to be fenced: 25 x 25m.</i>				
A	MATERIALS –STEEL				
23.3.1	Hinge joint mesh fencing (Bonnox or similar). 1.20m high, verticals at 150mm max. Gauge 2.5mm Rolls of 100m.	No.	1	R	R
23.3.2	Fully galvanized double stranded barbed wire	m	300	R	R
23.3.3	Razor wire coils (flat wrap 500mm). Rolls of 15m x 2.0mm	No.	7	R	R
23.3.4	Straining wire 3.15mm-roles of 5kg (app. 80m)	No.	2	R	R
23.3.5	Binding wire 2mm thick -5kg rolls (app. 200m)	No.	1	R	R
23.3.6	Wire staples 32mm/500g/pack	No.	4	R	R
23.3.7	Galvanized steel gate 0.9m x 1.80m + hinges: round bar (35 x 2.0mm), ith 500mm flat wrap razor wire on top.	No.	1	R	R
23.3.8	Solid Brass/ zinc padlock (Sobo/ Master/Yale/ Union/Abus), + chain.	No.	1	R	R
B	MATERIALS –TIMBER				
23.3.9	Creosoted poles 2.4m x 100-125mm in between corners)	No.	48	R	R
23.3.10	Creosoted poles 2.4m x 125-150mm (gates and corners)	No.	6	R	R
C	MATERIALS: CONCRETE				
23.3.11	15 MPa concrete for the 16 corner and gate posts + boxes: 350 x 350 x 600mm. App. quantities: NPC 42.4N Cement: 8 bags River sand:0.6m ³ 13mm stone: 0.9m ³	m ³	1.2	R	R
D	ADDITIONAL COSTS				
23.3.12	Transport of fencing material to site	Sum	1	R	R
23.3.13	Installation (Labour & Supervision)	Sum	1	R	R
SUBTOTAL PAGE 7 - TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SUMMARY OF SECTIONS & SCHEDULES | PAGE 10**

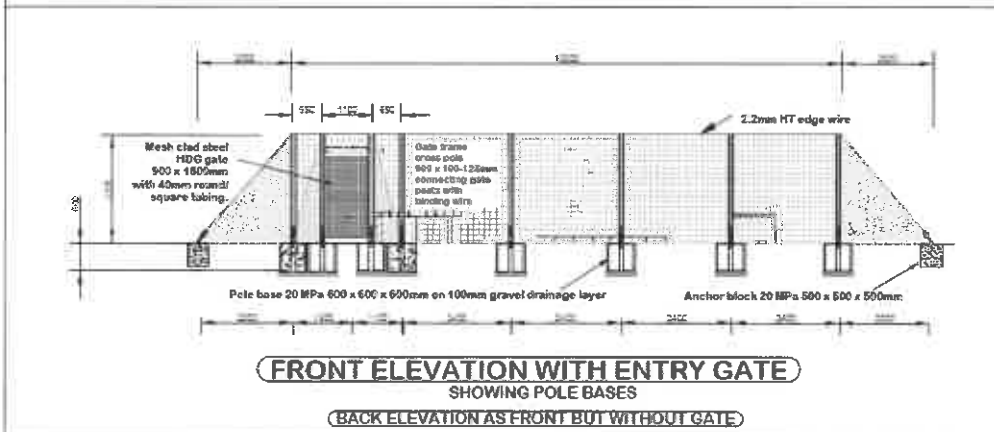
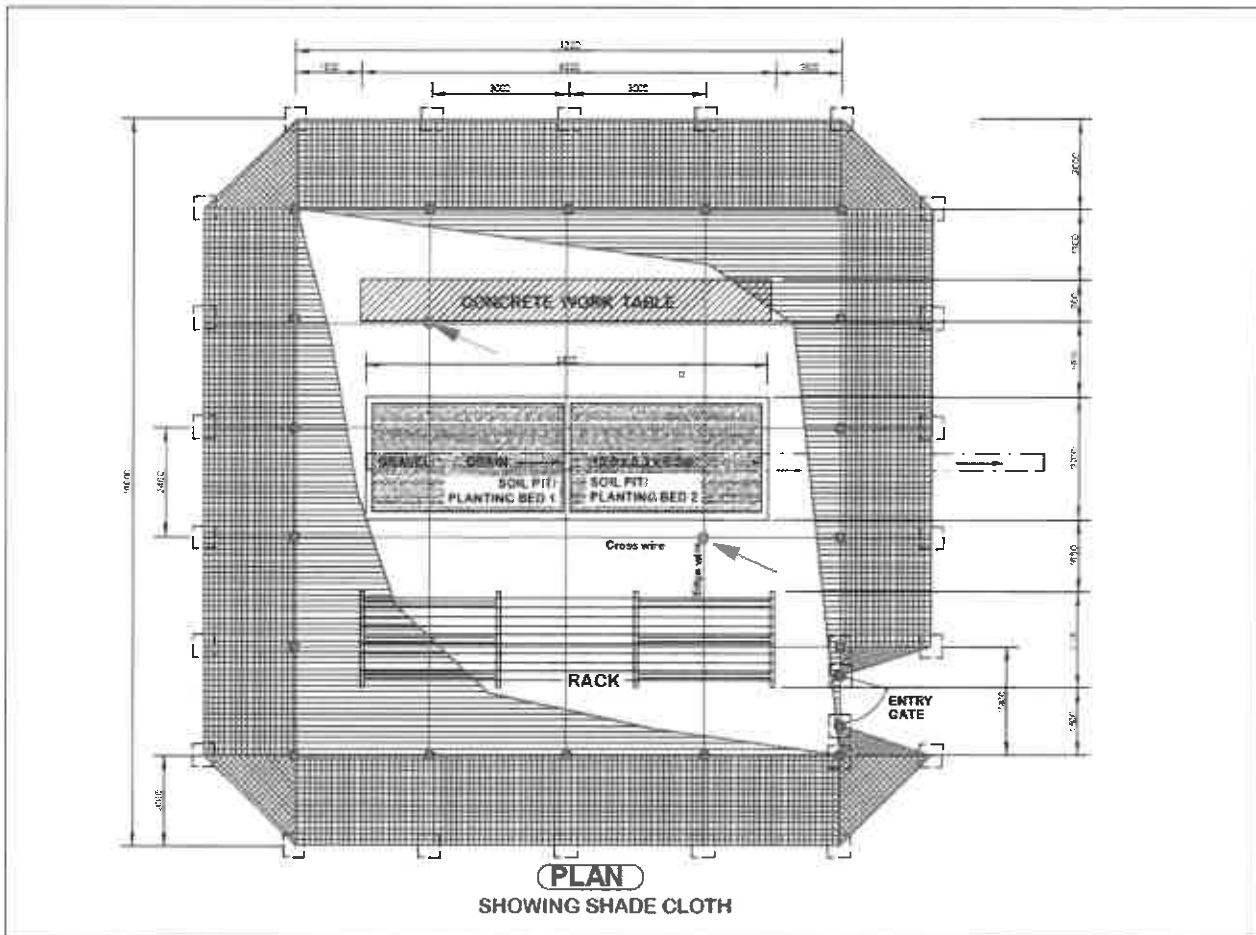
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1	PRELIMINARY & GENERAL – FIXED & TIME RELATED	R
2	PRELIMINARY & GENERAL – PROVISIONAL SUMS	R
	SECTION B – NURSERY STANDARD WORKS	
3	EARTHWORKS/ CONCRETE/ WATER PROOFING/ IRON MONGE.	R
4	IRON MONGERING/ EXTERNAL WORKS	R
5	CONSUMABLES	R
	SECTION C – NURSERY OPTIONAL WORKS	
6	23 –WATERTANK & TANKSTAND/ (2) TRENCH & PIPING	R
7	23 –FENCING	R
8	IRRIGATION EQUIPMENT	
9	IRRIGATION EQUIPMENT	
	SUBTOTAL ALL WORKS	R
	CONTINGENCIES 10%	R
	SUBTOTAL	R
	VAT 15%	R
	TOTAL	R

**APPENDIX 2****LIST OF DRAWINGS**

#	DRAWING NO.	DRAWING REF.	DRAWING DESCRIPTION
1	DR01	RDN/2012/16R/NUR	NURSERY FOR LANDCARE PROGRAMME ELEVATIONS & PLAN
2	DR02	TAN/RDN /2014/02R	TANK STAND FOR 2500 & 5000L TANKS
3	DR03		

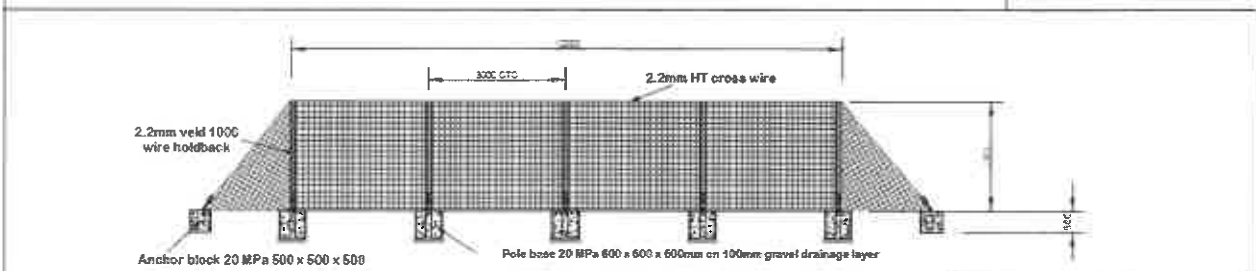


DRAWING 01 | RDN/2012/16R | NUR NURSERY FOR LANDCARE PROGRAMME ELEVATIONS & PLAN



INSTALLATION GUIDELINES

- Pole Structure:**
- 1) Brace and anchor all the external poles as shown in Drawing 2C&D
 - 2) Strain high-tensile, 2.25mm cross wire as illustrated in Drawing 2D.
- Fitting the shadecloth:**
- 3) Lace up the shadecloth with edge wires and lift each wire roll into position, resting it on top of the cross wires.
 - 4) Now attach and tension the edge wires to the end poles.
 - 5) Next sew one end of the shadecloth onto the crosswire. Stretch and tighten the shadecloth before sewing the other end and joining the edge wires.
 - 6) Bind edge wires and cross wires together wherever they intersect.



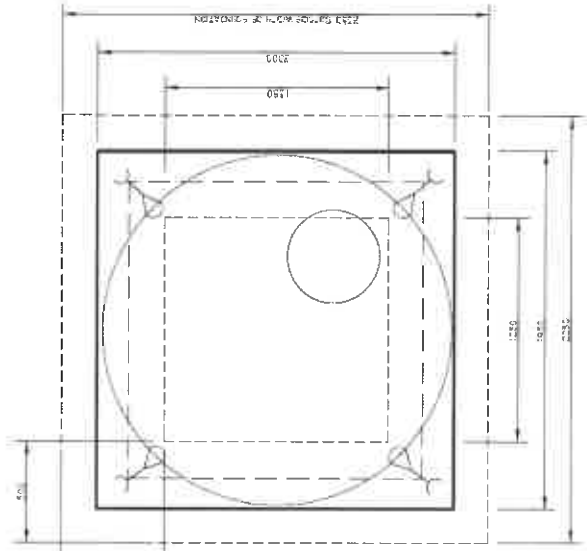
LATEST REVISION DECEMBER 2015:
REPLACEMENT OF FENCING STANDARDS
AS ANCHOR POINTS BY RAIL TYPE EYE BOLTS

KZN DEPARTMENT OF AGRICULTURE & RURAL DEVELOPMENT	ENGINEERING SERVICES 4 FINOAK AVENUE / PRIVATE BAG 35005 NELSON / 3245 / PHONE: 033-3438300 FAX: 0333438443	Design: R. de Neef Drawn by: R. de Neef Date: 6 October 2012 Revised: 07/01 & 27/03/13 18/12/15 & 23/02/18	DRAWING NO. RDN/2012/16R/NUR SCALE (A3) 1 : 175	DRAWING 1 NURSERY FOR LANDCARE PROGRAMME ELEVATIONS & PLAN
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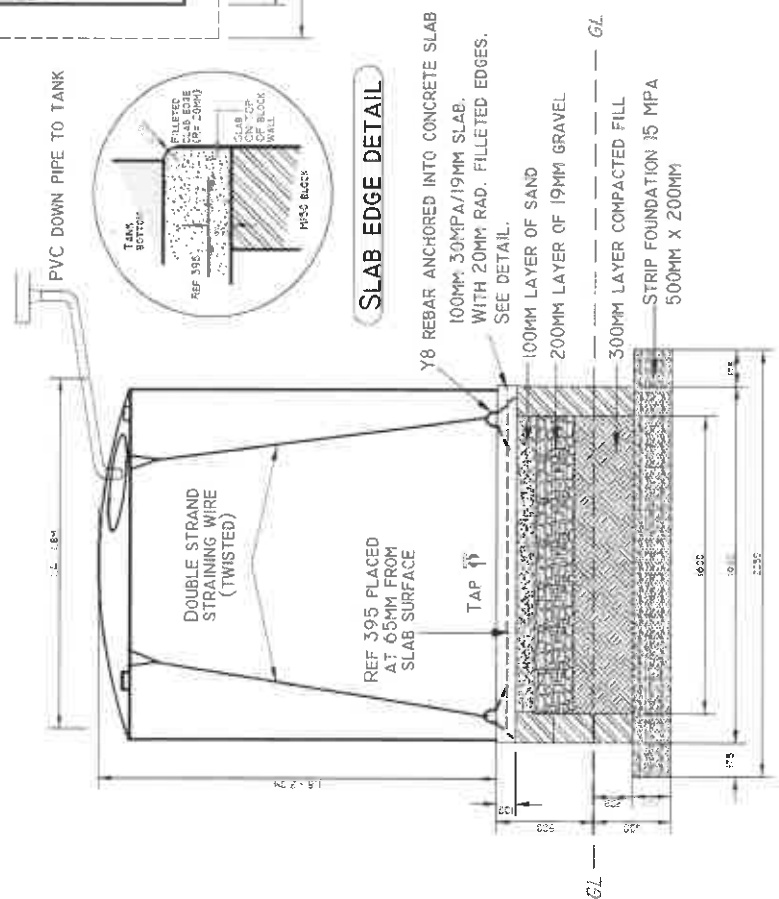
DRAWING 02 | TAN/RDN/2014/02R | TANKSTAND FOR 2500 & 5000L TANKS

NOTES

1. DIMENSIONS OF THE TANK STANDS 1.75M X 1.75M X 0.70M (0.5M ABOVEGROUND). ALL BLOCKS MORTAR FILLED
2. THREE COURSES OF BLOCKS ON 500 X 200MM 15 MPA STRIP FOUNDATION.
3. TANKS SECURED TO STAND WITH 4 TWISTED DOUBLE STRANDS OF STRAINING WIRE CONNECTED TO 4 Y8 STEEL STIRRUPS (LENGTH: 0.5M EACH) CAST IN FLOOR CONCRETE. STRANDS TO BE SLIGHTLY STRAINED.
4. CONNECTION WITH GUTTER WITH THREE 50MM DIAM. DOWNPIPE BENDS AND ONE 40MM DIAMETER STRAIGHT PVC PIECE, GLUED WITH PVC CEMENT AFTER INSPECTION OF CONNECTION.
5. BRASS LOCKABLE TAP WITH FITTINGS.



TOP VIEW



CROSS SECTION

BILL OF QUANTITIES
MAIN BUILDING MATERIALS

- 1) POCKETS OF CEMENT: 8
- 2) URUGEMI SAND: 1.0 CU.M
- 3) 19MM STONE: 1.3 CU.M
- 4) M150 BLOCKS: 48
- 5) Y8 REBAR: 2.00M
- 6) REF. 395 MESH: 2.00 X 1.65M
- 7) GALV STEEL WIRE: 20M X 2.0MM

MIXES

15 MPA MIX: 30 MPA MIX:
 2 BAGS OF CEMENT + 2 BAGS OF CEMENT +
 3 WHEELBARROWS SAND + 2 WHEELBARROWS SAND +
 4 WHEELBARROWS STONE 2.5 WHEELBARROWS STONE

<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>CHKD</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY	CHKD						<p>KZN DEPARTMENT OF AGRICULTURE & RURAL DEVELOPMENT</p>	<p>ENGINEERING SERVICES</p> <p>1 CEDARA ROAD : CEDARA I PRIVATE BAG 30097 SANDHURST 6000 PHONE: 031-554-2400</p>	<p>DRAWING 02</p> <p>TANK STAND FOR 2500 & 5000L TANKS</p>
NO.	DATE	DESCRIPTION	BY	CHKD									
<p>DATE: 2014/02/20</p> <p>SCALE: 1:50 (CL) (ENH)</p> <p>DRAWN BY: [Signature]</p> <p>CHECKED BY: [Signature]</p>		<p>DATE: 2014/02/20</p> <p>SCALE: 1:50 (CL) (ENH)</p> <p>DRAWN BY: [Signature]</p> <p>CHECKED BY: [Signature]</p>											