



KWAZULU-NATAL PROVINCE

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

KWAZULU-NATAL DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

QUOTATION No: R/N/2324/94

DESCRIPTION OF SERVICE:

**CONSTRUCTION OF JUNIOR CARE NURSERY AT SIPHOSETHU SPECIAL SCHOOL
IN PONGOLA**

NAME OF BIDDER:

Mandatory Requirements

1. An EME and QSE (as per the provisions of section 4(1)(b) of the PPPFA Regularions,2022
2. Minimum of **CIDB Grading 1SH OR 1GB**
3. Certified Copy of Identity Document (for the purposes of claiming)

COMPULSORY BRIEFING SESSION

Venue	Department of Agriculture and rural Development Upongolo LOCAL OFFICE
Date	25 May 2023
Time	10:00am

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 8110 Ext 8188** before **11:00 am** on the closing date: **31 May 2023**

Issued by:

The Department of Agriculture and Rural Development

1 Cedara Road

Cedara



KWAZULU-NATAL PROVINCE 3200
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/N/2324/94	VALIDITY PERIOD OF QUOTATION..... Days (To be completed by the Supplier)
CLOSING DATE: 31 May 2023	CLOSING TIME: 11H00
DESCRIPTION(SPECIFICATION/S) OF ITEMS/ SERVICE REQUIRED: CONSTRUCTION OF JUNIOR CARE NURSERY AT SIPHOSETHU SPECIAL SCHOOL IN PONGOLA	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
<u>QUOTATION TO BE RETURNED TO:</u> The Department of Agriculture and Rural Development ,01 Cedara Road, SCM Bid box FOR ATTENTION TO: Lungani Zondi	
NB: DOCUMENT MUST BE COMPLETED IN FULL ,THIS QUOTATION COVER PAGE MUST BE COMPLETED AND RETURNED WITH ALL YOUR SUPPORTING DOCUMENTS.	

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	R/N/2324/94	CLOSING DATE:	31 May 2023	CLOSING TIME:	11:00
DESCRIPTION					
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	Lungani Zondi		CONTACT PERSON	Sompie	
TELEPHONE NUMBER	033 355 8110 Ext 8188		TELEPHONE NUMBER	082 085 2814	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER		
E-MAIL ADDRESS	Lungani.zondi@kzndard.gov.za		E-MAIL ADDRESS		
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.					

FOR ENQUIRY ONLY

END-USER NAME : Thamoney Naidoo
TELEPHONE NUMBER : 033 3438221/0824132591
E-MAIL ADDRESS : thamoney.naidoo@kzndard.gov.za
PROPOSED DELIVERY DATE : 31 June 2023
DELIVERY ADDRESS : Siphosethu Special School
LOCAL MUNICIPALITY : Pongola
DISTRICT : Zululand

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: - SIPHOSETHU SPECIAL SCHOOL Refer to details specifications and designs attached 7 PART PAYMENT ORDER	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 B
TERMS AND CONDITIONS FOR BIDDING**

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS 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

4

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

.....
Position

.....
Date

.....
Name of bid

SBD 6.1

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.

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:

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

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.

..... SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:
DATE:
ADDRESS:

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"	<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

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 _____

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/N/2223/94**

Goods/Service/Work: **CONSTRUCTION OF JUNIOR CARE NURSERY AT SIPHOSETHU SPECIAL SCHOOL IN PONGOLO**

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



Procurements from R30 000 – R1M the Department will allocate the points as follows

Historically Disadvantaged Individuals	Black Owned	Points
An EME or QSE which is at 100% owned by black people		10
a) black people who are youth		10
b) black people who are women		8
c) black people with disabilities (Proof to be attached)		7
d) black people living in rural or underdeveloped areas or townships		6
e) black people who are military veterans (Proof to be attached)		6
f) a cooperative owned by black people		5

Company ownership will be verified by a BBBEE certificate (accredited by SANAS) or affidavit or share register or CSD report.

Should the service provider qualify for more than one (1) specific goal points as per the above table, the Department will allocate the points to the goal with highest score.



**APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A 16 x 16M
SEEDLING NURSERY FOR SIPHOSETHU SPECIAL SCHOOL PONGOLA LOCAL
MUNICIPALITY, ZULULAND DISTRICT**

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 always have available for reference on site 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 based on 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 based on 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 16m x 16m
SEEDLING NURSERY FOR SIPHOSETHU SPECIAL SCHOOL PONGOLA LOCAL
MUNICIPALITY, ZULULAND 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 works and supplies.
- 2.2. To ensure the timely realization of a cost effective, well-built seedling nursery and ancillary works of good quality to resource-poor and emerging farmers.

3. SCOPE OF SERVICES

- 3.1. The project covers:
- 3.1.1. Erection of a 16m x 16m shade cloth nursery
 - 3.1.2. Construction of a planting bed
 - 3.1.3. Construction of a seedling tray rack
 - 3.1.4. Construction of a concrete worktable
 - 3.1.5. Installation water supply to the nursery,
 - 3.1.6. Supply & installation of a water tank on Storeroom.
 - 3.1.7. Installation of irrigation and storage and mixing tanks
 - 3.1.8. Supply of consumables.
- 3.2. Documents to accompany this bid specification are listed in the Table of Contents.



4. PROJECT LOCATION

4.1.1. The site is situated in Pongola Local Municipality in the Zululand District Municipality, 25km N of Pongola town.

4.2. Site Coordinates: S27° 19' 11.8" = E31° 27' 55.7"





B | SPECIAL TERMS & CONDITIONS

APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF A 16m x 16m SEEDLING NURSERY FOR SIPHOSETHU SPECIAL SCHOOL PONGOLA LOCAL MUNICIPALITY, ZULULAND DISTRICT

1. CONSTRUCTION PERIOD AND DUE COMPLETION DATE

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

2. COMPETENCY OF THE SERVICE PROVIDER

- 2.1. It is estimated that tenderers should have a CIDB contractor grading designation of **1SH or 1GB** or higher. The contractor is to submit evidence of his/her OWN **Active** registration.
- 2.2. For evaluation processes, the Department shall apply the evaluation criteria as outlined in the Bid Evaluation Criteria of this bid.
- 2.3. It shall be vital for the appointed supplier to have sufficient financial resources and capacity to finance and execute as per terms and conditions of the contract.

3. COMPULSORY SITE BRIEFING

- 3.1. A site-briefing meeting will be held with prospective Bidders. Attendance of the briefing is 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.

4. ALTERNATIVE SPECIFICATIONS

- 4.1. If the Pricing Schedule makes some allowance for alternative specifications for some items, these should be at least equivalent to the ones provided by the Department. Apart from these, no alternative specifications shall be considered.

5. INVOICES

- 5.1. All invoices submitted by the Contractor must be original and be accompanied by payment certificates, indicating the work done, the amount of tax charged (if applicable) and the total Invoice amount.
- 5.2. An invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:
 - 5.2.1 The name, address, and registration number of the supplier.
 - 5.1.2 The name and address of the recipient.
 - 5.1.3 An individual serialized number and the date upon which the tax invoice is issued.
 - 5.1.4 A description of the goods or services supplied.
 - 5.1.5 The payment certificate.
 - 5.1.6 The value of the payment certificate amount, the amount of tax charged and the description of the works completed.
 - 5.1.7 The purchase order number (where applicable) and the name of the project must appear on an invoice.



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

6. PAYMENT FOR SUPPLIES AND SERVICES

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

7.2. 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 regard, prior to the delivery of the materials to site.

7.3. 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.

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

8. UNSATISFACTORY PERFORMANCE

8.1. Unsatisfactory performance occurs when performance is not in accordance with the contract conditions.

8.2. 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).

8.3. 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: -

8.3.1 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.

8.3.2 To make a recommendation to the Accounting Officer for cancellation of the contract concerned.

8.3.3 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.

8.4. 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.

8.5. When correspondence is addressed to the contractor, reference shall be made to the contract number/ item number/s and an explanation of the complaint.



9. SERVICE LEVEL AGREEMENT

- 9.1. The successful Bidder and the Department will sign a Service Level Agreement (SLA) prior to commencement of works. A proposed programme of works must be provided by the contractor for the approval of the Engineering Representative within two weeks after site handover.
- 9.2. These Special Terms and Conditions (STC), the Standard Technical Specifications (STS) and the Project Particular Specifications (PPS) as listed in this bid document, together with the Drawings, are deemed to form part of the SLA.
- 9.3. Electronic drawings are available on request. The contractor to confirm all dimensions on site and report any discrepancies to the Engineering Representative.

10. COMMENCEMENT OF THE WORK

- 10.1. Site establishment must start within two (2) weeks, and the actual works within three (3) weeks after hand-over of the site, provided that:
 - 10.1.1 The SLA has been signed.
 - 10.1.2 An official order has been issued.
 - 10.1.3 The contractor is in possession of all relevant documentation required for works execution.
 - 10.1.4 No exceptional circumstances such as inclement weather or other outside the control of either party to the contract prevail.
 - 10.1.5 All planning permission for the site and buildings has been obtained.
- 10.2 In case work has not commenced within three (3) weeks of the site hand-over, and no attenuating circumstances for the delay can be provided, the Department reserves itself the right to terminate the contract for reasons of unsatisfactorily performance as per clause 8.3.

12. SITE HANDOVER TO THE CONTRACTOR

- 12.1 The Department will organize a site hand-over to the contractor who will then be introduced to the project stakeholders and participants.
- 12.2 The site will be handed back after the issuing of a Certificate of Completion to the Contractor when after a final inspection by the Engineering Representative and no outstanding patent defects are found.
- 12.3 The Contractor will control the site for the contract duration. However, he/she will be in constant communication with The Head Master as to where construction work activities will take place, and the impact these will have on the daily goings on inside the precinct.
- 12.4 Only the Contractor's own employees, his/her labour and Departmental Representatives will be allowed on site.
- 12.5 The Contractor is responsible of the administration, control, and security on the site at all times during the contract duration.

13. WATER AND POWER

- 13.1. The Contractor shall make the necessary arrangements for the provision of any water and power and will make sufficient back up arrangements to mitigate the effects on the progress of the work due to scheduled or unscheduled power outings.



- 13.2. No payment will be made for the provision or use of these services, other than via the relevant line items in the Preliminary & General section of the Pricing Schedule.

14. LOCATION OF CAMP

- 14.1 No housing is available, nor will (temporary) accommodation for staff or laborer's be allowed at the school itself.
- 14.2 No persons other than a night watchman may sleep in the camp, without the approval of the Farm Manager.
- 14.3 The contractor is to make portable toilets available for his staff and workforce, and place these in consultation with the School Principal or his representative.

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

- 15.1. The Contractor shall be responsible for the safe delivery, loading, off-loading, handling and storage of any equipment and materials on site.
- 15.2. All equipment, materials and plant stored on site must be suitably protected against damage or loss by theft or otherwise.
- 15.3. The Contractor shall remain fully responsible for all material and plant etc. until the completed works and site have been officially handed over.
- 15.4. The placement and use of a temporary shipping container inside the precinct for the storage of tools and equipment will be allowed, provided that prior approval for such, including the location of the container, will have been obtained from the Farm Manager or his representative.
- 15.5. The Contractor must demarcate the work site clearly, using danger tape or other suitable means as per the requirements of OHS regulations.

16. EXISTING ROADS, MUNICIPAL PAVEMENTS, ETC.

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

17. DAMAGE TO PROPERTY

- 17.1. 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, paving, 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
- 17.2. 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.

18. UNDERGROUND CABLES AND PIPES

- 18.1. 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.
- 18.2. Should the Contractor damage underground cable or pipes, such damage shall be repaired as soon and safely as possible by the Contractor.



- 18.3. The cost of making good such damage will be met by the Contractor as this must be covered by the Contractor's works insurance.

19. DAILY RAINFALL RECORDS

- 19.1. Submission of rainfall figures is required for the granting of permission of extending the contract period based on inclement weather. If none are kept, the Engineering Representative is under no obligation to grant extension of the completion period for inclement weather.

20. INSPECTION OF WORK

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

21. NOTICE OF COVERING WORK

- 21.1. The Contractor shall give due notice to the Engineering Representative 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.
- 21.2. 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 Engineering Representative.

22. SUB-CONTRACTED WORK

- 22.1. The contractor shall not sub-contract the entire contract. The contractor must indicate in *Appendix 3 – Additional Information: Subcontracted Works* which part(s), if any, (s)he intends to subcontract.

23. INSURANCES

- 23.1. All accepted approved contractors would be required to provide written proof of the following insurances for the project awarded to them:
- 23.1.1. Insurance against damage, destruction or loss to 50% of the value of the contract.
- 23.1.2. Public Liability insurance.
- 23.1.3. All risks (works) policy and Political.
- 23.2. The Contractor shall provide the Engineering Representative with proof that Insurance has been obtained for the contract period.

24. OCCUPATIONAL HEALTH AND SAFETY

- 24.1. 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:
- 24.1.1. Carrying out and documenting risk assessments of all work to be carried out under the contract.
- 24.1.2. Preparation of safe work procedures.



- 24.1.3. Preparation of an H&S plan, discussing it with the Department, and then amending it as agreed.
- 24.1.4. Preparation of a Project H&S File to include all requirements of Table 1 and Appendix 4.
- 24.1.5. Contractor to complete the Contractors Health and Safety Declaration in Appendix 4
- 24.1.6. Regular updating of all of the foregoing.
- 24.1.7. Provision of medical certificates of employees
- 24.1.8. Provision of PPE and protective clothing for employees
- 24.1.9. Complying with all H&S requirements for the duration of the contract. In case of observed non-compliance, the contractor will be requested to cease all work and take corrective action.
- 24.1.10. Provision of forced ventilation (as required when working in confined spaces).
- 24.1.11. The completion and checking of the safety file upon completion of the works and handing it over to the Department.
- 24.2. 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.
- 24.3. Failure to submit realistic prices for the scheduled H&S items is likely to prejudice the bid.
- 24.4. 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.
- 24.5. 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.
- 24.6. 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.

Table 1 – OHS Requirements and submission dates

PAM Item No.	Requirement	OHSA Requirement	Submission Date
2.1	Notification of Intention to Commence Construction / Building Work	Complete Schedule 1 (Construction Regulations)	7 days before commencement on site
2.2	Assignment of Responsible Person to Supervise Construction Work	All relevant appointments, as per OHS Act and Construction Regulations.	7 days 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 (Certificate)	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	Before commencement of construction.



25. INJURY TO PERSONS

- 25.1. 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.

26. DISAGREEMENTS

- 26.1. Notice of disagreement. The Contractor has the right by written notice to the Engineering Representative to require him to consider any disagreement which he raises with the Engineering Representative provided the said written notice shall be given within 14 days after the cause of disagreement has arisen.
- 26.2. Ruling on disagreements. The Engineering Representative 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 Engineering Representative 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.

27. FIXED PRICE CONTRACT

- 27.1. This contract shall **not** be subject to contract price adjustment.

28. PRICING - COMPLETENESS OF BID

- 28.1. Bidders are required to tender for all services, products and commissioning as specified in this document and associated plans. If he/she does not bid on all items, his/her bid will be rejected.
- 28.2. All bid/quoted prices are to be in South African currency and, for *line* items, must **exclude** VAT, which should only be added to the subtotal on the Summary Page of the Pricing Schedule.
- 28.3. All items as described in the project specification are to be priced in full.
- 28.4. Transport/Delivery costs must be included in the pricing if the Pricing Schedule does not list them separately.
- 28.5. VAT must be filled in as the sub total followed by the complete price for the entire project.
- 28.6. The Bid price page must be signed by a person legally authorized to do so.

29. QUANTITIES OF WORK

- 29.1. The Contractor shall receive payment only for the works actually executed and approved by the Engineering Representative.

30. PROGRESS PAYMENTS

- 30.1. For the construction works, payment shall only be paid for claims that are commensurate with the works actually executed and complete.
- 30.2. Payment for construction items will only be made against the progress as pertaining to build/installed items. Movable construction items and materials on site are **excluded** from progress payments until they have been fully installed or fitted or built up.
- 30.3. With generally one month between the issuing of payment certificates, and 2-4 weeks between the submission of the claim and payment, **the contractor must be able to carry about 6-8 weeks of expenditure** before he/she gets paid. With a construction time of 12 months, this would translate to app. 10-15% of the contract value. This would exclude the advances which will have to be paid to the steel supplier.



- 30.4. The contractor shall be paid in up to a **maximum of seven (7) part payments**. Part payments will be made after the Department has certified the progress per work phase, and after successful delivery and installation (if and when required) of supply items, all in accordance with the Clause 34 (Retention).
- 30.5. Payment shall only be made for claims that are commensurate with the works actually executed and complete.
- 30.6. Work Phases/ BoQ line items do not have to be completed in their entirety in order to be included in a claim. An estimate will be made by the Engineering Representative of the degree of progress, expressed as a percentage, made with the work phase or line item. More than one work phase can be included in a claim.
- 30.7. Part payments will be made after the Engineering Representative has approved the work and will be made in accordance with the Retention clause (34).
- 30.8. The penultimate payment occurs after Works completion. The final payment will be made at Final completion after the 12 months' liability period when the contractor has dealt with all defects, if any.
- 30.9. If the completed pricing schedule/BoQ is unavailable when a payment certificate is drawn up or if a pricing schedule lacks balance with regards to the weighting in terms of price, the Engineer may decide to be guided by the payment schedule below (Table 1).

Table 1 – Payment Schedule			
Work phase	Phase Description	% of total contract	% payment after completion
1	Site establishment, site clearing and leveling	15.0%	13.5%
2	Erection of nursery proper (poles & netting, floor cover),	30.0%	27.0%
3	Interior works (worktable, planting bed and rack)	30.0%	27.0%
4	Supply & installation of water supply to and at the nursery (water intake, pipeline, tank + stand and taps	15.0%	13.5%
5	Erection of fencing	10.0%	9.0%
6	5% retention at practical completion	-	5.0%
7	5% retention 6 months after practical completion	-	5.0%
	TOTAL	100%	100%

31 RETENTION

- 31.1 A 10% retention will be withheld on payments for the duration of the construction.
- 31.2 In case a bank or insurance guarantee was issued, the retention will be 5%.
- 31.3 The Department will pay out half of this retention, or 5% of the bid value as part of the second last payment at **practical completion** of the works. The remainder, viz 5%, will be paid out at **final completion** after expiry of the defect liability period 12 months after practical completion), the bidder having eliminated all defects. In the case of 31,2, the retention payback percentages will be 2.5% and 2.5% for the practical and works completion phase respectively.
- 31.4 In some instances, the Engineering Representative 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 if such would be the case.



35 DEFECT LIABILITY PERIOD

- 35.1 The defect liability period is 6 calendar months calculated from the date of the issuing of the Works Completion Certificate.
- 35.2 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.

36 CONTINGENCIES

- 36.1 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.
- 36.2 Written approval from the Engineering Representative for the use of the Contingencies allocation is required *before* any purchases can be made or any work is started from this allocation.
- 36.3 After the need for contingencies has been identified and approved by the Engineering Representative, the contractor will submit a quote for approval to the Engineering Representative for the contingency items and services agreed upon, and as much as possible rates and amounts for materials and services that were already covered in the original pricing schedule, will be used. Where these are not available, suppliers' quotes are to be submitted with the Contractor's quote for the agreed upon contingencies.
- 36.4 The total costs of all contingencies shall not exceed the total of the Contingencies allocation for the project (10% of the net contract value before VAT), plus the possible savings made on other work items, unless official permission for a Variation Order has been granted before the additional work has been approved. The Engineering Representative will take a decision whether the additional work will be warranted and will communicate that decision to the Contractor.

37 TIME FOR PRACTICAL COMPLETION & DUE COMPLETION TIME

- 37.1 The project must reach Practical completion **within 4 months**, calculated from the date of the site handover, and Works completion **within 5 months**.
- 37.2 The whole of the Works shall be completed within the Due Completion Date, which in this case will be 5 months after the site handover.
- 37.3 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.
- 37.4 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.
- 37.5 The date of completion will be extended only to the extent approved by the Department.
- 37.6 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.
- 37.7 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.



38 PENALTY CLAUSE / FINES FOR LATE OR NON-COMPLETION

- 38.1 If the Contractor fails to complete the Works to the extent which entitles him to receive a Certificate of Practical Completion by the Due Completion Date, the Contractor shall be liable to the Employer for an amount of up to 0.05% of the contract sum minus the Contingencies as a penalty for every day that elapses between the Due Completion Date and the actual date of Practical Completion. *This amount shall be subtracted from the Retention moneys and/or from the claim of one of the part payments.*
- 38.2 The imposition or non-imposition of such penalty shall not relieve the Contractor from his obligation to complete the Works or from any of his obligations and liabilities under the Contract.
- 38.3 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.



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.

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:

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:

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 must 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 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 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. Erection of a 16 x 16m shade cloth nursery (poles + shade cloth netting).
- 1.2. Construction of a concrete work table,
- 1.3. Construction of a tray rack
- 1.4. Construction of a planting bed;
- 1.5. Construction of a Store Room with 2x 2500l tanks on top of Roof
- 1.6. Installation of water supply to the nursery,
- 1.7. Supply of consumables.
- 1.8. Erection of a fence (if applicable)



E | PROJECT SPECIFIC SPECIFICATIONS

1. EARTH WORKS

- 1.1. Removal of vegetation and top 100mm of soil (25 x 25m).
- 1.2. Leveling.
 - 1.2.1. Nursery area (25x25m) 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.
- 2.2.5 Use 2.0mm galvanized wire to connect the wire tensioning ratchet to the eye bolt fixed in a concrete footing.
- 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 Drawings 1 & 2.



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 4.0mm binding wires 200mm apart (10 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 1: Drawings of Soil Pit/Planting bed

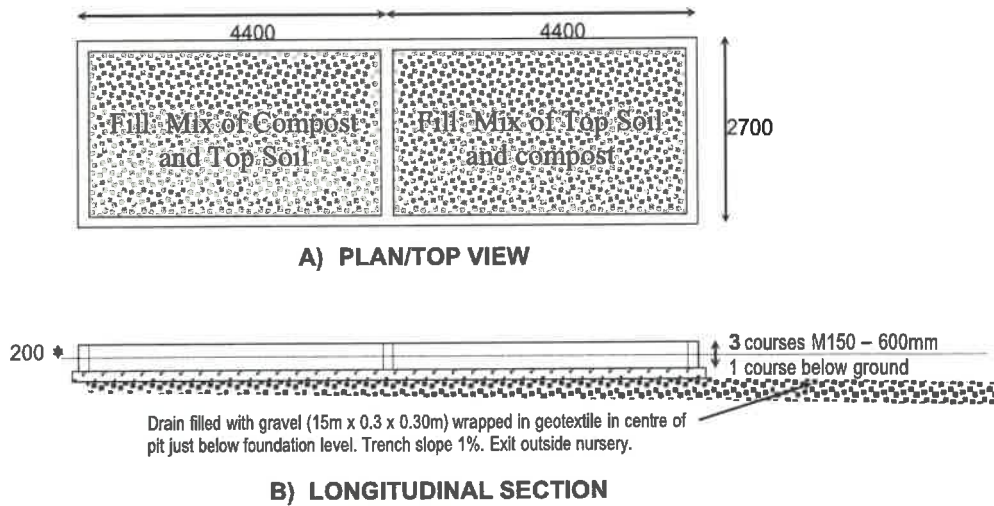


TABLE 6 | MIX RATIO'S FOR SOIL PIT MIX

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

2.7 PASSAGES

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

2.8 BRASS TAP

- 2.8.1 Nurseries will have a brass tap 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).

2.9 SHADE CLOTH

- 2.9.1 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 (IF APPLICABLE)

3.1 DIMENSIONS

- 3.1.1 Approximate dimensions fencing perimeter: 24m x 24m (multiples of 3m, the pole distance). Total fence length: 96m.



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 **creosoted 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 6)

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 3 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 6.

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 4.

Figure 2: Nursery fencing – Option 1 – 1.70m high. 1.20m hinge joint curtain + 3 strands of barbed wire

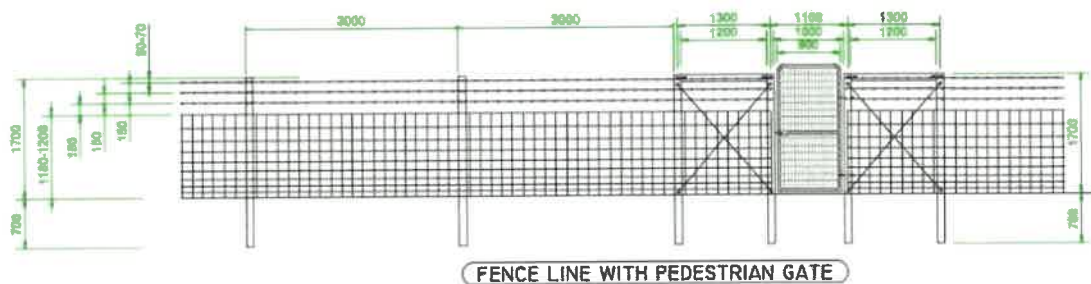
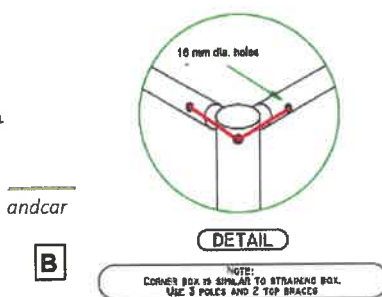
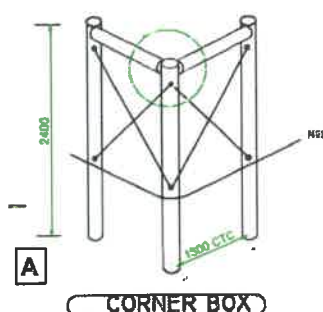


Figure 3: Nursery Fencing – Option 1 –Details



C - Notes

SANDY SOILS REQUIRE A REFILL OF SOIL CRETE = 10%SOIL/CEMENT MIX.

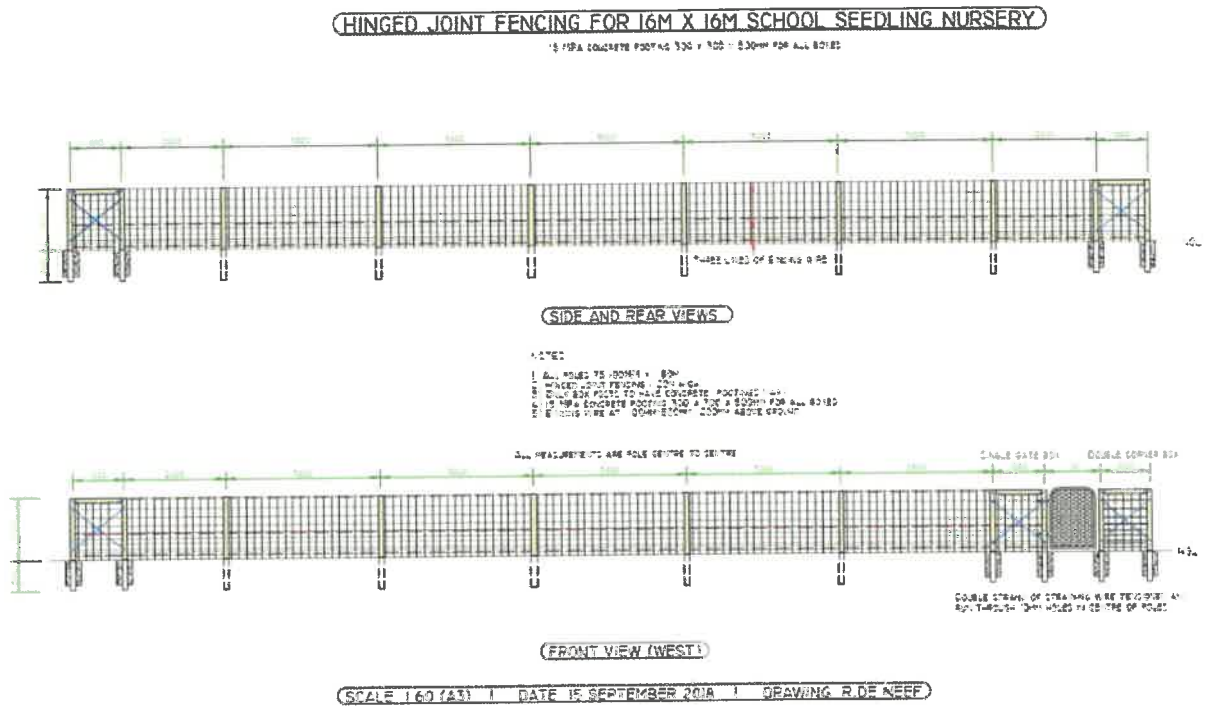
HOLES DRILLED THROUGH POLES AS SHOWN FOR TIES ON INSERT IN DRAWING.

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





APPENDIX 1

PRICING SCHEDULE

Section A

Preliminary & General

NOTES

1. When completing the Preliminary and General section of the BoQ the Contractor may be requested (depending on the amounts quoted for these items) to provide a breakdown to the amounts inserted in the Preliminary and General section for those cost items for which only headings are provided and which require specificity, as listed below:

A.1.1	A.1.2.6	A.1.2.8	A.2.1	A.2.8	A.2.10	A.2.11
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2. 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.
3. 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 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
		f) Plants, tools and equipment				
1.1.2.3		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
		Other fixed-charge obligations				
1.1.2.5	8.3.3	The sum shall cover the fixed costs of all other obligations that are required for the proper execution of the Works in accordance with the requirements of the specification and the conditions of contract, and that are not specifically covered in 8.3.1, 8.3.2 or 8.3.4., e.g. camp fencing.	Sum	1	=====	R
		Removal of Contractor's Site establishment on completion				
1.1.2.6	8.3.4	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
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¹ Amounts or parts thereof will only be paid out if actual approved expenditure has occurred. <<<



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

ITEM #	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2	8.4	TIME-RELATED ITEMS ^{1,2}				
1.2.1	8.4.1	<u>Contractual Requirements</u> The sum shall cover all the Contractor's time-related costs of providing surety, insurance of the Works and plant, third party or public liability insurance and unemployment	Sum	1	=====	R
	8.4.2	<u>Operation and maintenance of facilities on site for the duration of Construction, except otherwise stated</u> The sums for the items in 8.4.2.1 and 8.4.2.2 shall cover the Contractor's costs for the periods stated for site rentals, repairs to and depreciation of buildings, furniture, tools and equipment, the storage and distribution of fuels and lubricants, water, electricity, communications, access and sanitation, and the wages of staff operating and maintaining these facilities in accordance with the contract.				
	8.4.2.1	Facilities for Contractor for duration of construction, except where otherwise stated				
1.2.2		a) Offices and storage sheds	Sum	1	=====	R
1.2.3		d) Survey assistants and materials	Sum	1	=====	R
1.2.4		e) Ablution and latrine facilities	Sum	1	=====	R
1.2.5		f) Tools and equipment	Sum	1	=====	R
1.2.6		g) Water supplies, electric power and communications	Sum	1	=====	R
		<u>Supervision for the duration of the Construction</u> The sum shall cover the costs of on-site supervision and such local administration as the Contractor considers necessary for the proper completion of the Works, and shall cover the cost of the salaries, wages and allowances paid to the site agent, general foreman, section foremen (where applicable), site surveyors, timekeepers, assistants and other site supervisory staff, and of transport incurred in connection with such staff.				
1.2.7	8.4.3		Sum	1	=====	R
		<u>Other time-related obligations</u> All other time-related costs that are not specifically covered in 8.4.1-8.4.4				
1.2.8	8.4.5		Sum	1	=====	R
		Time related obligations to comply with the OHS Act Construction Regulations See Annexure B (Contractors Health and Safety Declaration) and STC Section 48 (Occupational health and safety). Including appointment of OHS officer				
1.2.9	PAM 8.2.2		Sum	1	=====	R
Sub-Total Page 2 > Transfer To Summary Page >>					R	

¹ The "duration of construction" applicable to a time-related item shall be a period that commences on the date on which the scheduled activity starts, or 21 days after the date of the handing over of the Site, as applicable, and concludes on the date of completion of such activity or the date of the substantial completion certificate for the Works, as applicable.

² Amounts or parts thereof will only be paid out if actual approved expenditure has occurred. <<<



APPENDIX 1 | PRICING SCHEDULE | SECTION 1 | PRELIMINARY & GENERAL | PAGE 3

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
1.3.7		Certificate of Compliance (SANS 10142-1 -testing of the installations as per OHS 1993 - June 2020 regulations, including test report. -CoC certificate issued by a registered electrician with a wiremen's license	Sum	1	=====	R 10,000.00
1.3.8		Overheads, charges & profit on Item A.3.15. Percentage tendered (11% max). >>.....%	Sum	%	R 10,000.00	R
Sub-Total Page 3 > 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 4**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	EARTHWORKS				
3.1	SITE CLEARING				
3.1.1	Site clearing (clear vegetation & trees of girth < 1m	m ²	325	R	R
3.2	REMOVAL OF TOPSOIL AND LEVELING				
3.2.1	Remove 100mm topsoil. Stockpile within 0.5km if required (18m x 18m).	m ³	32,5	R	R
3.2.2	Site Leveling (18m x 18m)	Sum	1	R	R
3.2	EXCAVATION OF FOOTINGS				
3.2.1	Excavation of pole footings for nursery structure: 22 Poles @ 400 x 400 x 600mm	m ³	2,5	R	R
3.2.2	Excavation of rack pole footings: 12 legs @ 500 x 500 x 500mm	m ³	1,5	R	R
3.2.3	Excavation of anchoring blocks: 22 blocks @ 500 x 500 x 500mm.	m ³	2,8	R	R
3.3	EXCAVATIONS FOR FOUNDATIONS				
3.3.1	Excavation of stripfoundation for soil pit (16m(L) x 0.4 (W) x 0.3m (D)	m ³	1,92	R	R
3.3.2	Excavation of stripfoundation for work table 9.0*1.1m x 0,35m x 0,5m	m ³	1,73	R	R
3.4	TRENCHING				
3.4.1	Drain under planting bed leading to outside nursery footprint 15m x 300mm (W) x 300-500mm (D)	m ³	1,8	R	R
3.5	COMPACTION				
3.5.1	Mechanical Compaction of the levelled area, embankment, and surplus cut to Mod AASTO 93% by plate compactor or ride-on roller	m ²	325	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
4	CONCRETE-FORMWORK & REINFORCEMENT				
4.1	UNREINFORCED CONCRETE				
4.1.1	15 Mpa/19mm (1 : 3 : 4) for foundation table legs	m ³	0,72	R	R
4.1.2	15 Mpa/19mm (1 : 3 : 4) for strip foundation soil pit	m ³	1,62	R	R
4.1.2	20 Mpa/19mm (1 : 2.5 : 3.5) for pole & rack bases & anchor blocks.	m ³	6,36	R	R
4.2	REINFORCED CONCRETE				
4.2.1	35 Mpa/9mm (1 : 1.5 : 2) for table top and shelves. To be glass or synthetic fiber reinforced (0.2% volume). Steel float finish.	m ³	0.73	R	R
4.2.2	Synthetic fibre to mix with concrete for table top	L	2	R	R
4.2.3	Resin coated fibre glass mesh 10 x 10mm reinforcement placed at 1/3 of the depth of the slab. Area: 8.9m x 800mm	m ²	10,00	R	R
6	MASONRY				
6.1	CEMENT BLOCKS				
6.1.1	M150 blocks for soil pits (app. 225 incl. B&C)	m ²	16,2		
6.1.2	M150 blocks for table (app. 100 incl. B&C)	m ²	6,7	R	R
6.1.3	M100 Blocks for table (app. 100 incl. B&C)	m ²	6,7	R	R
6.1.4	Bedding mortar (1:4 mix) for table and soil pits	m ³	2,0	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
SUBTOTAL PAGE 5. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 6**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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.	m	300	R	R
12.1.2	Wire - 2.2mm high tensile galvanized steel wire for tray rack.	m	150	R	R
12.1.3	2.0mm binding wire (galvanized) for rack poles & cross bars.	m	50	R	R
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
12.2.4	Wire staples - 32mm	kg	1,0	R	R
12.2.5	Hoop irons (galv) 500mm x 30mm x 1.2mm (min) to fasten cross bars to rack legs	No.	12	R	R
15	PLASTERING				
15.1	PLASTERING & BAGWASHING OF CEMENT BLOCKWORK				
15.1.1	Plaster 1:5 for legs of work table	m ²	10,00	R	R
15.1.2	Bagwash for inside and outside of soil pit	m ²	35,10	R	R
15.2	POLISHING				
15.2.1	Smoothing out and polishing of the concrete table with two coats of cobra floor polish.	Sum	1	R	R
SUBTOTAL PAGE 6. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 7**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
17	PLUMBING & DRAINAGE				
17.2	PIPES & FITTINGS				
17.2.1	32mm CI 6 HDPE pipes (delivery line from weir to line + line from tank to tapes	m	100	R	R
17.2.2	32mm non-return valve to be placed between pump and tank	No.	1	R	R
17.2.3	Fittings and bends for connections of supply lines to tank	Sum	1	R	R
17.2.4	25-20mm Ø reducer T-piece Plastic to steel for galv. riser pipes for taps	No.	2	R	R
17.2.5	Overflow pipe Ø 40mm , 100mm long with elbow	No.	1	R	R
17.2.6	Plastic conduits 15mm dia.x 200mm length for steel cross wires roof	No.	22	R	R
17.3	VALVES & TAPS				
17.3.1	HDG ball Valves 32mm Ø	No.	2	R	R
17.3.2	Brass tap3/4" plus galvanised steel pipes 1.0m x 20mm ID mounted on nursery post	No.	2	R	R
17.4	DRAINS				
17.4.1	19mm stone for pit drain 15m (L) x 300mm (w) x 300-500mm (d)	m ³	1,80	R	R
17.4.2	Geotextile for gravel drain under soil pits (Bidim A4 grade). App. 2 "flashpacks" (rolls) of 10m x 1320mm	m ²	19,80	R	R
SUBTOTAL PAGE 7. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 8**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	Bracing poles above entry gate (900 x 100-125mm)	No.	1	R	R
21.1.4	2.4m x 100-125mm frame legs for racks (cut 2x1.2m legs from 1 pole)	No.	6	R	R
21.1.5	3.0 m x 100-125mm diameter horizontal bracing poles for racks	No.	6	R	R
21.1.6	2.1 m x 100-125mm cross bars for wire support	No.	4	R	R
21.2	SHADECLOTH				
21.2.1	40% Green. App. 5 rolls of 30m x 3.00m	m ²	250	R	R
21.2.2	Shade cloth binding wire/twining.	m	150	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	PAVEMENT MATERIAL				
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	15.00	R	R
SUBTOTAL PAGE 8. TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION B | NURSERY STANDARD WORKS | PAGE 9**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
22	CONSUMABLES				
22.1	GARDENING ITEMS				
22.1.1	Plastic Unigro reusable seedtrays 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				
22.2.1	Garden compost - Bags of 30L	No.	20,00	R	R
22.2.2	Seedling mix - bags of 10 kg	No.	10,00	R	R
22.2.3	Kraal manure to be mixed with soil pit back fill/top soil. Bags of 30L	No.	30,00	R	R
22.2.4	Top soil to refill the soil pit	m ³	6,00	R	R
SUBTOTAL PAGE 9. TRANSFER TO SUMMARY PAGE >>				R	



APPENDIX 1

PRICING SCHEDULE

Section C

NURSERY OPTIONAL WORKS

**APPENDIX 1 | PRICING SCHEDULE | SECTION C | OPTIONAL WORKS | PAGE 10**

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: 24 x 24m.</i>				
A	MATERIALS –STEEL				
23.3.1	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	Razor wire coils (flat wrap 500mm). Rolls of 15m x 2.0mm	No.	7	R	R
23.3.3	Straining wire 3.15mm-roles of 5kg (app. 80m)	No.	2	R	R
23.3.4	Binding wire 2mm thick -5kg rolls (app. 200m)	No.	1	R	R
23.3.5	Wire staples 32mm/500g/pack	No.	4	R	R
23.3.6	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
23.3.9	Solid Brass/ zinc padlock (Sobo/ Master/Yale/ Union/Abus), + chain.	No.	1	R	R
B	MATERIALS –TIMBER				
23.3.7	Creosoted poles 2.4m x 100-125mm	No.	48	R	R
23.3.8	Creosoted poles 2.4m x 125-150mm	No.	6	R	R
C	MATERIALS: CONCRETE				
23.3.10	15 Mpa concrete for the 16 corner and gate posts + boxes: 350 x 350 x 600mm. App. quantities: NPC 42.4N Cement: 5 bags River sand:0.4m ³ 13mm stone: 0.6m ³	m ³	0.8	R	R
D	ADDITIONAL COSTS				
23.3.11	Transport of material to site	Sum	1	R	R
23.3.12	Installation (Labour & Supervision)	Sum	1	R	R
SUBTOTAL PAGE 10 - TRANSFER TO SUMMARY PAGE >>				R	

**APPENDIX 1 | PRICING SCHEDULE | SECTION C | OPTIONAL WORKS | PAGE 11**

ITEM	DESCRIPTION	UNIT	QTY	RATE (R)	AMOUNT (R)
23	OPTIONAL WORKS (CTD)				
23.4	<i>IRRIGATION EQUIPMENT</i>				
A	PIPES				
23.4.1	40mm CI 9 HDPE pipes (from mobile pump to storage tank to mixing tank). Roll of 100m.	No.	1		
23.4.2	25mm CI 6 HDPE pipes (from mixing tank to nursery and from storage tank to nursery). Roll of 100m.	No.	1		
23.4.3	20mm CI 6 HDPE pipes (from mixing tank to nursery and from storage tank to nursery). Roll of 100m.	No.	1		
B	FITTINGS				
23.4.4	32mm Ø T-piece	No.	4		
23.4.5	25mm Ø T-piece	No.	5		
23.4.6	40mm Ø 90° elbows (HDPE supply line)	No.	3		
23.4.7	32mm Ø 90° elbows	No.	16		
23.4.8	25mm Ø 90° elbows	No.	17		
23.4.9	20mm Ø 90° elbows	No.	1		
23.4.10	25-20mm Ø reducer	No.	2		
C	VALVES				
23.4.11	Butterfly valve 32 mm (brass or galv. steel)	No.	8		
23.4.12	Butterfly valve 25 mm (brass or galv. steel)	No.	4		
23.4.13	Butterfly valve 32 mm > 25mm (brass or galv. steel)	No.	1		
23.4.14	Butterfly valve 25>20mm (brass or galv. steel)	No.	3		
23.4.15	Non return valve for pump (10.2) for 40mm pipeline	No.	1		
23.4.16	Steel lids for valve boxes, with grip. 1.35 x 1.10m and 1.10m x 1.10m. With 3 hinges per lid welded on top. Include installation.	Sum	1		
SUBTOTAL 11 - TRANSFER TO SUMMARY PAGE >>				R	



APPENDIX 1 | PRICING SCHEDULE | SECTION C | OPTIONAL WORKS | PAGE 12

ITEM	DESCRIPTION	UNIT	QTY	RATE (R)	AMOUNT (R)																								
23	OPTIONAL WORKS (CTD)																												
23.4	IRRIGATION EQUIPMENT (CTD)																												
D	MICRO JETS																												
	Micro Jets sprayer with Operational Pressure of 150 kPa and flow rates 24-65 L/hour and wetting Ø of 2.5-3.5m <u>Examples:</u>																												
23.4.17	> Microjet 360 degrees, Cap AB 02/AB 03, green base (2.4m wetting diam, discharge 64L/h. > Microspin Blue or Green (2.4m /3.0m wetting dia.) >> Quote must include riser tubes <<	No.	36	R	R																								
23.4.18	Y10 rebar cut to 1.5m length to attach sprayers/ sprinklers to. No. of rebars of 6m length	No.	9	R	R																								
23.4.19	Cost for installation by nursery irrigation specialist. Provide Name of specialist: >>.....	Sum	1	R	R																								
23.5	PUMPS																												
	Supply and installation of a TWINSTAGE SELFPRIMING mobile petrol water pump with engine. > Inlet size: 40 or 50mm. > Outlets: min.2x size: 2 x 40mm or 1x40mm & 1x25mm > Power: 5.5Hp/4.1kW (5.0-6.5Hp) > Flowrate 100-220L/min; > Low oil shut down > Weight: 20-25kg > Delivery head 75-100m > Impellor type: cast iron/stainless steel. > House type: aluminium or steel or cast iron	Sum	1	R	R																								
23.5.1	Examples: DAVEY 5255H or DAVEY 5258 with HondaGX160 engine Include 3m suction hose, strainer/sieve and quick coupling clamp in the quote if not supplied with the pump or no intake pipe is part of the pump. Pumpcurve:																												
	<table border="1"> <tr> <td>Flow rate (m³/h)</td> <td>0</td> <td>3.0</td> <td>6.0</td> <td>8.1</td> <td>9.0</td> <td>12.0</td> <td>13.2</td> </tr> <tr> <td>Flow rate (Liters/minute)</td> <td>0</td> <td>50</td> <td>100</td> <td>135</td> <td>150</td> <td>200</td> <td>220</td> </tr> <tr> <td>Maximum delivery head (m)</td> <td>92</td> <td>84</td> <td>70</td> <td>62</td> <td>58</td> <td>45</td> <td>41</td> </tr> </table>	Flow rate (m ³ /h)	0	3.0	6.0	8.1	9.0	12.0	13.2	Flow rate (Liters/minute)	0	50	100	135	150	200	220	Maximum delivery head (m)	92	84	70	62	58	45	41				
Flow rate (m ³ /h)	0	3.0	6.0	8.1	9.0	12.0	13.2																						
Flow rate (Liters/minute)	0	50	100	135	150	200	220																						
Maximum delivery head (m)	92	84	70	62	58	45	41																						
23.5.2	Supply and installation of a 0.25kW - 0.50kW single phase electrical pump (Pedrollo CMP100 or equivalent) able to deliver 2.4m ³ /hour at 11m head. See PSS Section 3.3.	Sum	1	R	R																								
23.5.3	Supply of a wheelbarrow type frame on which the generator and pump can be mounted.	No.	1	R	R																								
SUBTOTAL12 - TRANSFER TO SUMMARY PAGE >>				R																									



APPENDIX 1

PRICING SCHEDULE

Section D

NURSERY

STOREROOM WITH 2 X TANKS ON TOP OF ROOF



ITEM	DESCRIPTION	UNIT	QTY	RATE (R)	AMOUNT (R)
1	PRELIMINARY & GENERAL & SITE ESTABLISHMENT				
2	SITE CLEARING & LEVELING (35X25M) - INCLUDING TANKSTAND				
3	EXCAVATION AND BACKFILL (POLES)				
3,1	STOREROOM FOUNDATIONS				
3.1.1	Excavation of foundations for storeroom in all materials including Rock & Boulders	m ³	4,20		
4	BUILDING MATERIALS				
4,1	STOREROOM				
4.1.1	15Mpa/19mm concrete (strip foundation & valve box floor)-Mix 1 : 3 : 4	m ³	4,93		
4.1.2	20Mpa/19mm concrete (apron) - Mix 1 : 2.5 : 3.5	m ³	1,60		
4.1.3	25MPa/19mm concrete (ring beam + floor slab + lintels) - Mix 1 : 2 : 3	m ³	0,97		
4.1.4	30MPa/19mm concrete (Roof slab) - Mix 1 : 2 : 2.5	m ³	0,90		
4.1.5	Plaster mortar 1:4	m ²	71,00		
4.1.6	Bedding mortar (1:5)	m ²	54,00		
4,2	Cement blocks, brick force, ventilation bricks.				
4.2.1	M150 blocks for tankstand and valve box	No.	350		
4.2.2	M200 Blocks for foundation wall/bottom 5 courses	No.	170		
4.2.3	Brickforce (110mm x 2.8mm - 20m rolls)	No.	4		
4.2.4	Brickforce (150mm x 2.8mm - 20m rolls)	No.	2		
4.2.5	Ventilation bricks	No.	14		
	SUB TOTAL - TRANSFER TO SUMMARY PAGE >>>>>>				

**KZN DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT
APPENDIX 1 PRICING SCHEDULE SECTION D OPTIONAL WORKS****PAGE 14**

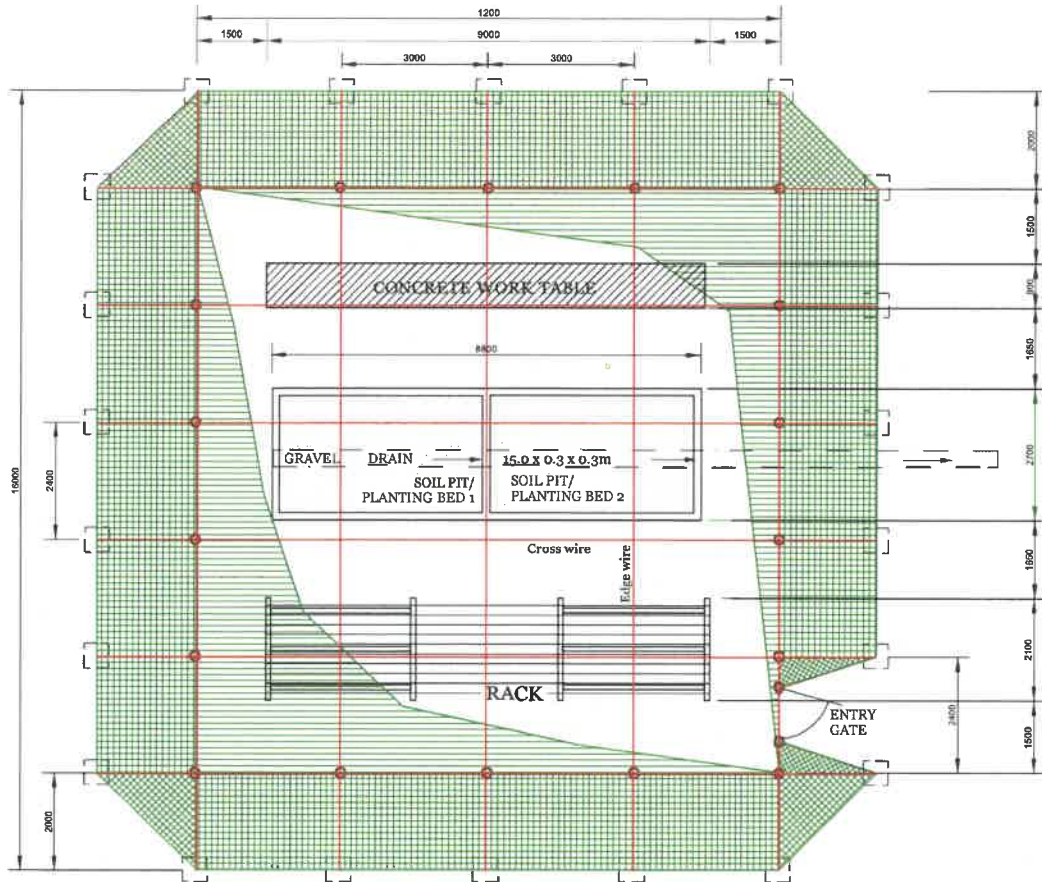
4,3	Steel				
4.3.1	Fully Galvanized Steel Doors 813 X 2032mm, incl frame, with Barrel bolts	No.	2		
4.3.2	Solid Brass or zinc Padlock: Sobo/ Master/Yale/ Union/Abus- no cheap ones).	No.	2		
4.3.3	617 steel mesh For Roof slab	m ²	9		
4.3.4	4 x Y10 rebar (70 x 70mm) for ring beam with stirrups at 500mm intervals.	m	50		
4.3.5	4mm diam straining wire (5kg roll = 80m approx)	roll	1		
5	WATER TANKS AND IRRIGATION EQUIPMENT				
5.1	2500L PE tanks with fittings	No.	2		
6	LABOUR AND SUPERVISION				
6.1	Labour and Supervision	Sum	1		
	SUB TOTAL STORE ROOM (2) - TRANSFER TO SUMMARY PAGE		Total	R	

**APPENDIX 1 | PRICING SCHEDULE | SUMMARY OF SECTIONS AND SCHEDULES | PAGE 15**

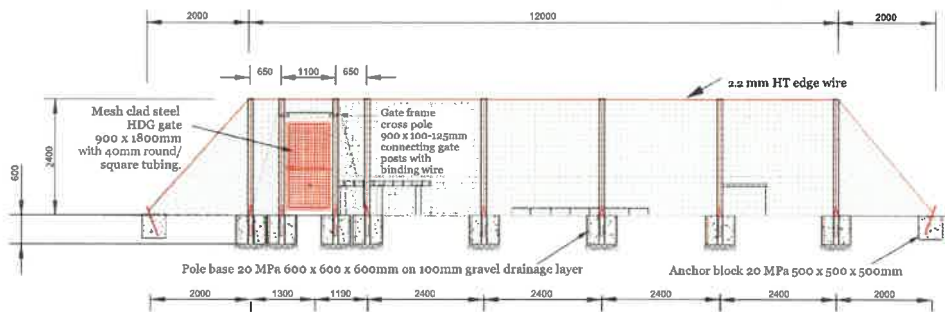
PAGE	DESCRIPTION	SUBTOTAL
	SECTION A – P&G’S	
1	1 - PRELIMINARY & GENERAL – FIXED	R
2	1 - PRELIMINARY & GENERAL – TIME RELATED	R
3	1 - PRELIMINARY & GENERAL – PROVISIONAL SUMS (1)	R
	SECTION B – NURSERY STANDARD WORKS	
4	3 - EARTHWORKS	R
5	4 - CONCRETE/ 6 - MASONRY/ 7 - WATER PROOFING	R
6	12 - IRON MONGERY / 15 - PLASTERING	R
7	17 - PLUMBING & DRAINAGE	R
8	21 - EXTERNAL WORKS	R
9	22 - CONSUMABLES	R
	SECTION C – NURSERY OPTIONAL WORKS	
10	23 – (3) FENCING	R
11	23 – (4) IRRIGATION EQUIPMENT	R
12	23 – (4) IRRIGATION EQUIPMENT	R
13	STOREROOM	R
14	STOREROOM	R
	SUBTOTAL ALL WORKS	R
	CONTINGENCIES 10%	R
	SUBTOTAL	R
	VAT 15%	R
	TOTAL	R

**APPENDIX 3 |****LIST OF DRAWINGS**

#	DRAWING NO.	DRAWING REF.	DRAWING DESCRIPTION
1	DR01	RDN/2012/16R/NUR	NURSERY FOR LANDCARE PROGRAMME ELEVATIONS & PLAN
2	DR02	RDN/2012/17R/NUR	NURSERY FOR LANDCARE PROGRAMME RACK, TABLE & DETAILS
3	DR03	STOREROOM	
4	DR04		
5	DR05		



PLAN
SHOWING SHADE CLOTH

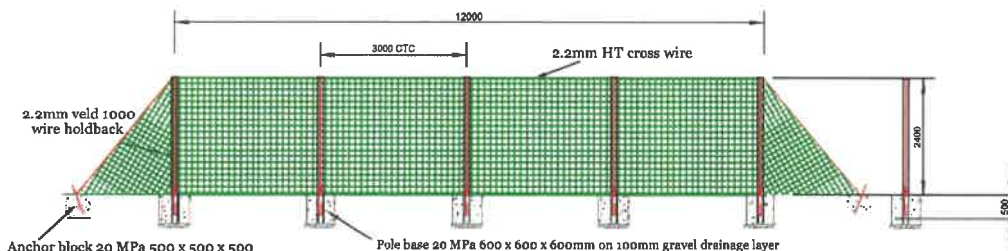


FRONT ELEVATION WITH ENTRY GATE
SHOWING POLE BASES

BACK ELEVATION AS FRONT BUT WITHOUT GATE

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.



SIDE ELEVATIONS
SHOWING POLE BASES



