

PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS



public works

Department:
Public Works
PROVINCE OF KWAZULU-NATAL

QUOTATION DOCUMENT

with JBCC Minor Works Agreement - 4th Edition

for projects R 30 000 to R 500 000

SERVICE DESCRIPTION :

**KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI :
SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS**

Employer:

Head: Public Works (Department of Public Works: Province of KwaZulu-Natal)

KZN Department of Public Works
Private Bag X9041
PIETERMARIZBURG
3200

Contact :

Project Leader: Ms. Z. B. Malunga
Telephone number: 031 203 2266
WIMS No.: 065425
Quotation Number: ZNTD04116
CIDB Registration Number: _____
Central Suppliers Database No.: _____

Regional \ District Office:

eThekweni District Office
455 A King Cetshwayo Highway
Mayville
4091

Tel No: (031) 203 3800

Fax No: (031) 261 6066

Contact Period 3 Calender Month

PLEASE NOTE THAT THIS QUOTATION IS SUBJECT TO THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD ACT, (ACT NO. 38 OF 2000) AND ANY AMENDMENTS THERETO INCLUDING BOARD NOTICES, AND REGULATIONS PROMULGATED IN TERMS OF THE ABOVE MENTIONED ACT), AND THE STANDARD CONDITIONS OF QUOTATION AS CONTAINED IN ANNEXURE "C" OF THE STANDARD FOR UNIFORMITY IN CONSTRUCTION PROCUREMENT. IT IS ALSO SUBJECTED TO KWAZULU-NATAL: PROVINCIAL TREASURY SUPPLY CHAIN MANAGEMENT POLICY (DEC 2005) AND THE OCCUPATIONAL HEALTH AND SAFETY ACT, ACT 85 OF 1993 AND THE CONSTRUCTION REGULATIONS OF FEBRUARY 2014, AS AMENDED FROM TIME TO TIME.

**KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI :
SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS****TABLE OF CONTENTS****THE QUOTATION****1. PART T1: QUOTATION PROCEDURES**

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IMPORTANT NOTICE TO BIDDERS

These forms are for internal and external use for the Department of Public Works, Province of KwaZulu-Natal.

The Total (Including Value Added Tax) on the Pricing Schedule must be carried to the "Offer" part only of the Form of Offer and Acceptance - C1.1

"Enterprise" shall mean the legal Quoting Entity or Bidder who, on acceptance of the Offer, would become the contractor

PART T1: QUOTATION PROCEDURES

T1.1 Quotation Notice and Invitation to Quote

THE KZN DEPARTMENT OF PUBLIC WORKS INVITES QUOTATIONS FOR THE PROVISION OF:

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	Contract period	3 Calendar Months
Advertisement date:	To be determined	Closing date:	As per advertisement
Closing time:	11:00	Validity period:	84 Calendar Days

It is estimated that Bidders should have a CIDB contractors grading designation of 1GB OR Higher or higher. No alternative Class of work, as

<input type="checkbox"/>	<p>It is estimated that Potentially Emerging enterprises should have a CIDB contractor grading of (N/A) and satisfy the criterion stated in the Quotation Data. (<i>Only applicable if Client has an Official Mentorship programme in place to assist potentially emerging enterprises</i>)</p> <p>All Bidders should have a CIDB Class of Construction Contractor Grading Designation as indicated above. No Bidder with a PE status can be considered if "N/A" is indicated above because the Department does not have an Official Mentorship Programme in place to assist a Potentially Emerging Enterprise.</p>
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Only Bidders who are responsive to the following responsiveness criteria are eligible to submit Quotations:

Bidders registered on the Central Suppliers Database (CSD) are eligible to submit quotations.

<input checked="" type="checkbox"/>	Only those Bidders who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum Quoted for a 1GB OR Higher or higher, class of construction work, are eligible to submit quotes. Quotation values in close proximity to the limit of a Quotation value range will be dealt with in accordance with Clause 25(3)(a)(ii) and 25(7A) of the latest amended Regulations.
<input checked="" type="checkbox"/>	<p>Joint ventures are eligible to submit Quotations provided that:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; the lead partner has a contractor grading designation in the 1GB OR Higher or higher, class of construction work. the combined contractor grading designation calculated in accordance with the Construction Industry Development Board Regulations is equal to or higher than a contractor grading designation in accordance with the sum Quoted for a 1GB OR Higher or higher, class of construction work.
<input checked="" type="checkbox"/>	Quotation document must be properly received on or before the Quotation closing date and time specified on the invitation, fully completed and signed in ink (All as per Standard Conditions of Quotation).
<input checked="" type="checkbox"/>	Authority to sign Quote.
<input checked="" type="checkbox"/>	Financial Standing and other Resources of Business Declaration
<input checked="" type="checkbox"/>	Submission of Compulsory Returnable Schedules.
<input checked="" type="checkbox"/>	Site Inspection Certificate.
<input checked="" type="checkbox"/>	Tax Compliance Status (TCS) PIN to verify on line compliance supplier status via e-filing.
<input checked="" type="checkbox"/>	Complete Schedule of rates is to be submitted on the day of the Quotation closing date.
<input checked="" type="checkbox"/>	Proof of good standing with the Compensation Commissioner
<input checked="" type="checkbox"/>	Proof of Paid Municipal Rates and Taxes.
<input checked="" type="checkbox"/>	Proof of UIF Registration.
<input checked="" type="checkbox"/>	Contractors Health & Safety Declaration.
<input checked="" type="checkbox"/>	Compulsory Enterprise Questionnaire.

THE FOLLOWING PARTICULARS MUST BE FURNISHED (FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)

NAME OF BIDDER: _____
 POSTAL ADDRESS: _____
 STREET ADDRESS: _____
 TELEPHONE NUMBER CODE : _____ NUMBER: _____
 CELLPHONE NUMBER: _____
 FACSIMILE NUMBER CODE : _____ NUMBER: _____
 E-MAIL ADDRESS: _____
 VAT REGISTRATION NUMBER: _____

TAX COMPLIANCE STATUS (TCS) PIN TO VERIFY ON LINE COMPLIANCE SUPPLIER STATUS VIA SARS E - FILING. YES ☐ or NO ☐

HAS A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? YES ☐ or NO ☐

IF YES, WHO WAS THE CERTIFICATE ISSUED BY?

[Tick Applicable Box]

A Verification Agency Accredited by the South African Accreditation System (SANAS); OR ☐

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES / WORKS OFFERED? [If yes, enclose proof] YES ☐ or NO ☐

This quote will be evaluated according to the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations; 2017

☒ 80/20 Preference point scoring system

Price / Quality:	
Price and Quality:	80
Preference:	20
Total must equal (100%):	100

Preference point scoring system will be based on the following points:

Preference points system:

Preferences are offered to Bidder's who have attained the following B-BBEE status level of contributor in accordance with the table below:

1. B-BBEE Status Level of Contributor		Number of Points	
(a)	Level 1	20	Points
(b)	Level 2	18	Points
(c)	Level 3	14	Points
(d)	Level 4	12	Points
(e)	Level 5	8	Points
(f)	Level 6	6	Points
(g)	Level 7	4	Points
(h)	Level 8	2	Points
(i)	Non-compliant contributor	0	Points
Total of Price and Preference must not exceed 100 points		100	Points

Notes:

- 1 The successful bidder will be required to fill in and sign a written Contract Form (SBD 7) form.
- 2 Bidders should ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration.
- 3 The requirements in respect of the application of 80/20 preference points scoring system, as reflected in the table above. Number of points will be awarded in accordance with the B-BBEE status level of contributor
- 4 The bid box is open during official working hours.
- 5 All Bids must be submitted on the official forms – (Not to be re-typed)
- 6 THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE JBCC Series 2000 Edition 4 Minor Works (August 2007) Conditions of contract AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT
- 7 (A B-BBEE status level verification certificate must be submitted in order to qualify for PREFERENCE POINTS)

COLLECTION OF QUOTATION DOCUMENTS:

Quotation documents may be collected during working hours at the following address :

KZN : Department of Public Works : 455 A King Cetshwayo Highway. Mayville,4091 at the time indicated on T1: 1 Bid Notice and Invitation to Quote

Documents may be collected during working hours between 9h00 to 12h30 and 13h00 to 15h30.

BRIEFING MEETING

A Compulsory pre-Quotation briefing meeting with representatives will take place at:

As per advertisement

on: **As per advertisement**

QUERIES RELATED TO QUOTATION DOCUMENTS MAY BE ADDRESSED TO:

DOPW Project Leader:	Ms. Z. B. Malunga	Telephone no:	"031 203 2266
Cell no:	060 960 2020	Fax no:	086 517 7583
E-mail:	zinhle.malunga@kznworks.gov.za		

QUERIES RELATED TO TECHNICAL ISSUES MAY BE ADDRESSED TO:

DOPW Project Leader:	Ms. Z. B. Malunga	Telephone no:	"031 203 2266
Cell no:	060 960 2020	Fax no:	086 517 7583
E-mail:	zinhle.malunga@kznworks.gov.za		

QUERIES RELATED TO SAFETY, HEALTH AND ENVIRONMENTAL ISSUES MAY BE ADDRESSED TO:

Safety Officer:	Madoda Shandu	Telephone no:	031 203 2363
Cell no:	083 393 0074	Fax no:	086 517 7583
E-mail:	madoda.shandu@kznworks.gov.za		

DEPOSIT / RETURN OF QUOTATION DOCUMENTS:

Telegraphic, telephonic, telex, facsimile, electronic and / or late Quotations will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data document.

All Quotation documents must be submitted on the official forms - (not to be re-typed)

DEPOSITED IN THE Quotation BOX AT: Department of Public Works 455 A King Cetshwayo Highway, Mayville, 4091 KZN : Department of Public Works: 455 A King Cetshwayo Highway, Mayville 4091 at the time indicated on T1: 1 Bid Notice and Invitation to Quote

T1.2 QUOTATION DATA

Project title: KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS

Project Code: 065425

Quotation no: ZNTD04116

Closing time: 11:00

Closing date:

As per advertisement

Validity period:

84 Calendar Days

Clause number:

The conditions of Quotation are the Standard Conditions of Tender as contained in Annexure C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts as per Board Notice 423 of 2019 in Government Gazette 42622 of 8 August 2019 as amended from time to time. (see www.cidb.org.za) Refer to Conditions of Tender as bound into this document.

The Standard Conditions of Tender make several references to the Quotation Data for details that apply specifically to this quotation. The Quotation Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause marked "C" in the above mentioned Standard Conditions of Tender.

The Joint Building Contracts Committee (JBCC's Minor Works - 4th Edition) agreements will apply and any clauses referred to will be prefixed with JBCC.

The conditions of quotation are also subject to the Treasury Regulations 16A and the KwaZulu Natal Supply Chains Management Policy Framework.

The reference to the word "Tender" in the Standard Condition of Tender shall be construed to mean "Quotation".

C.1.1

The employer is the Head: Public Works (Department of Public Works-Province of KwaZulu-Natal)

C.1.2

The quotation documents issued by the employer comprise:

Part 1: Quotation procedures

T1.1 Bid Notice and Invitation to Quote

T1.2 Quotation Data

T1.3 Annexure F - Standard Conditions of Tender

T1.4 Annexure to Notice and Invitation to Quote

Part 2: Returnable documents

T2.1 List of returnable documents

T2.2 Compulsory Enterprise Questionnaire.

T2.3 Authority to sign Quote.

T2.4 Financial Standing and other Resources of Business Declaration

T2.5 Equipment Schedules applicable

T2.6 Contractors Health & Safety Declaration.

T2.7 Site Inspection Certificate.

T2.8 Proof of UIF Registration.

T2.9 Preference Certificate

T2.10 Tax Compliance Status (TCS) PIN to verify on line compliance supplier status via e-filing.

T2.11 Proof of Paid Municipal Rates and Taxes.

T2.12 Proof of good standing with the Compensation Commissioner

T2.13 Declaration of interest - SBD 4

T2.14 Contract Form - Purchase of Goods/Works-Part 1

T2.15 Contract Form - Purchase of Goods/Works-Part 2

T2.16 Declaration of Bidder's past Supply Chain Management Practices - SBD 8

T2.17 Certificate of Independent Bid Determinations -SBD 9

T2.18 Client's Specific requirement for the Contractor's detailed OHS plan

T2.19 #REF!

CONTRACT

Part C1: Agreements and Contract Data

C1.1 Form of Offer and Acceptance

C1.2 Contract Data

Quotation no: ZNTD04116	
Part C2: Pricing Data	
C2.1	Pricing Instructions
C2.2	Pricing Schedule
Part C3: Scope of Works	
C3.1	Scope of Works
Part C4: Site Information	
C4.1	Site Information
C4.2	EPWP
C5.2 ANNEXURES	
Annexure 1	Model Preambles for Trades 2008
Annexure 2	Joint Venture Agreement
Annexure 3	Builders Lien
C.1.4	<p>The Employer's agent is:</p> <p>Name: Ms. Z. B. Malunga</p> <p>COLLECTION OF Project Leader</p> <p>Address: eThekweni District , Mayville , 4091</p> <p>Tel: 031 203 2266</p> <p>Fax: 086 517 7583</p> <p>E-mail: zinhle.malunga@kznworks.gov.za</p> <p>The second sentence shall read "Communication can be in any of the official languages recognised in KwaZulu-Natal which is English, Afrikaans or Zulu but writing is preferred in English as this is generally accepted as a business language"</p>
C.1.6	Bidder scoring the highest points
C.2.1	Only those Bidders who are registered with CIBD or who are capable of being so prior to the evaluation of submissions in a 1GB OR Higher class of construction and are registered with the CIDB are eligible to submit quotations. Bidders must also be registered on the Central Suppliers Database.
C.2.2	The employer will not compensate the tenderer for any costs incurred in the preparation and submission of a quotation offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.
C.2.7	<p>The arrangements for a Compulsory Pre-Quotation Meeting are:</p> <p>Location and Time: As per advertisement</p> <p>Date: As per advertisement</p> <p>The Bidder is required to sign the attendance register.</p> <p>OR</p> <p>No compulsory pre-quotation briefing meeting.</p>

Quotation no: ZNTD04116

C.2.10.3	The Bidders must provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.
C.2.11	The Bidder must not make any alterations or additions to the quotation documents, except to comply with instructions issued by the Employer, or necessary to correct errors made by the Bidder. All signatories to the Quotation offer shall initial all such alterations. Erasures and the use of the masking fluid are prohibited.
C.2.12	Alternative Offers may not be considered
C.2.13	To provide the whole of the Works as per the Scope including Electrical
C.2.13.5	The Employer's address for delivery of Quotation offers and identification details to be shown on each Quotation offer package are as per T1.1 Bid Notice and Invitation to Quote .
C.2.15	The closing time for submission of Quotation offers is as per T1.1 Bid Notice and Invitation to Quote . Telephonic, telegraphic, telex, facsimile or emailed quotation offers will not be accepted.
C.2.16	The quotation offer validity period is 84 calendar days.
C.2.16.2	The Bidder must, if requested by the employer, consider extending the validity period stated in the Quotation Data for an agreed additional period.
C.2.17	The Bidder must provide clarification of a quotation offer in response to a request to do so from the employer during the evaluation of Quotation offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the total of the prices or substance of the quotation offered, or permitted. The total of the prices stated by the Bidder shall be binding upon the Bidder.
C.2.23	The Bidder is required to submit with this quotation a Certificate of Contractor Registration issued by CIDB or a copy of the application for registration (Form F006) and Tax Compliance Status (TCS) PIN to verify on line compliance supplier status via SARS e-filing.
C.3.3	Quotation offers received after the closing time stated on the Quotation Data, must be returned unopened, (unless it is necessary to open a quotation submission to obtain a forwarding address).
C.3.4.2.	The employer must announce at the opening held immediately after the opening of quotation submissions, at a venue indicated in the Quotation Data, the name of each Bidder whose quotation offer is opened, the total of his prices and time for completion.
C.3.7	The employer must determine whether there has been any effort by a Bidder to influence the processing of quotation offers and instantly disqualify a Bidder (and his quotation offer) if it is established that he engaged in corrupt or fraudulent practices.
C.3.8	<p>The employer must determine, on opening and before detailed valuation, whether each quotation offer properly received:</p> <ul style="list-style-type: none"> a) complies with the requirements of the Conditions of Quotation. b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the quotation documents. <p>A responsive Quotation is one that conforms to all the terms, conditions and specifications of the quotation documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:</p> <ul style="list-style-type: none"> a) detrimentally affect the scope, quality, or performance of the Works, services or supply identified in the Scope of Work or b) significantly change the Employers or the Bidders risks and responsibilities under the contract, or c) affect the competitive position of other Bidders presenting responsive Quotations, if it were to be rectified. <p>Reject a non-responsive Quotation offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>

Quotation no: ZNTD04116**C.3.13**

Quotation offers will only be accepted if:

- (a) the Bidder has in his/her possession Tax Compliance Status (TCS) PIN to verify on line compliance supplier status via SARS e-filing.
- (b) the Bidder is registered with the Construction Industry Development Board in an appropriate class of works and the Bidder has submitted a CIDB certificate of registration.
- (c) the Bidder is not in arrears for more than 3 months with municipal rates and taxes and municipal services charges.
- (d) the Bidder has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the Bidder's ability to perform to the contract in the best interests of the employer or potentially compromise the quotation process.
- (e) the Bidder has not:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect.
- (f) the Bidder or any of its Directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 (Act No. 12 of 2004) as a person prohibited from doing business with the Public sector.
- (g) The Bidder has signed and submitted the Authority to Sign.
- (h) The Bidder has signed and submitted the Equipment Schedules, if applicable.
- (i) The Bidder has submitted Proof of UIF registration and good standing with the Compensation Commissioner.
- (j) The Bidder has submitted the Signed Form of Offer that is part of the Form of Offer and Acceptance.
- (k) Proof of Paid Municipal Rates and Taxes.

If a contractor fails to render the service within the stipulated period in the contract, the employer shall in terms of Clause 12 of the JBCC Minor Works Agreement, deduct a penalty from the value of the contract sum. The employer shall deduct an amount as indicated in the **Minor Works Agreement Contract Data EC**.

C.1.3 - Annexure C - Standard Conditions of Quotation

Note: Where this document refers to tenderer or tender it shall be read as bidder or bid.

C.1 General**C.1.1 Actions**

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently and comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderer's shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1)

A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2)

Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and the tenderer shall not submit a tender without having a firm intention and the capacity to

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the **tender data**.

C.1.3 Interpretation

C.1.3.1 The **tender data** and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the **tender data** and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
 - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels.

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Communication shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the **tender data**.

C.1.5 Cancellation and Re-Invitation of Tenders**C.1.5.1**

An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

C.1.5.2

The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was published.

C.1.5.3

An Employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second round of tenders.

C.1.6 Procurement procedures**C.1.6.1 General**

Unless otherwise stated in the **tender data**, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2 Competitive negotiation procedure**C.1.6.2.1**

Where the **tender data** requires that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2

All responsive tenderers, or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the **tender data**, shall be invited to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.3

At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4

The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system**C.1.6.3.1****Option 1**

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the **tender data**, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

F.1.6.3.2**Option 2**

C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the **tender data**, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations**C.2.1 Eligibility**

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the **tender data** and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or

C.2.2 Cost of tendering

C.2.2.1 Accept that, unless otherwise stated in the **tender data**, the employer will not compensate the tenderer for any costs incurred by the tenderer in the preparation of the tender.

C.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work,

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the **contract data**. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT)), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the **tender data**.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the **contract data**.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the **tender data**. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

C.2.12 Alternative tender offers

C.2.12.1 Unless otherwise stated in the **tender data**, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the **tender data** or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the **contract data** and described in the **scope of works**, unless stated otherwise in the **tender data**.

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the **tender data**, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

- C.2.13.4** Sign the original and all copies of the tender offer where required in terms of the **tender data**. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.
- C.2.13.5** Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the **tender data**, as well as the tenderer's name and contact address.
- C.2.13.6** Where a two-envelope system is required in terms of the **tender data**, place and seal the returnable documents listed
- C.2.13.7** Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the **tender data**.
- C.2.13.8** Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
- C.2.13.9** Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the **tender data**.

C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

C.2.15 Closing time

- C.2.15.1** Ensure that the employer receives the tender offer at the address specified in the **tender data** not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.
- C.2.15.2** Accept that, if the employer extends the closing time stated in the **tender data** for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

- C.2.16.1** Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the **tender data** after the closing time stated in the **tender data**.
- C.2.16.2** If requested by the employer, consider extending the validity period stated in the **tender data** for an agreed additional period with or without any conditions attached to such extension.
- C.2.16.3** Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period lapses before the employer evaluating the tender offer(s), the contractor reserves the right to review the price based on Consumer Price Index (CPI)
- C.2.16.4** Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

C.2.18 Provide other material

- C.2.18.1** Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employers request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the **tender data**.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the **contract data**.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the **tender data**.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the **tender data**.

C.3 The employer's undertakings

C.3.1 Respond to request from the tenderer

C.3.1.1 Unless otherwise stated in the **tender data**, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the **tender data** and notify all tenderers who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) days before the tender closing time stated in the **tender data**. If, as a result a

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the **tender data**, unopened, (unless it is necessary to open a tender

C.3.4 Opening of tender submissions

C.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the **tender data**. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the **tender data**, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

C.3.4.3 Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

- C.3.5.1** Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderer's agents who choose to attend at the time and place stated in the **tender data** and announce the name of each tenderer whose technical proposal is opened.
- C.3.5.2** Evaluate the functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the **tender data**, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a

C.3.8 Test for responsiveness

- C.3.8.1** Determine, after opening and before detailed evaluation, whether each tender offer properly received:
- a) complies with the requirements of these Conditions of Tender,
 - b) has been properly and fully completed and signed, and
 - c) is responsive to the other requirements of the tender documents.
- C.3.8.2** A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:
- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
 - b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
 - c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

- C.3.9.1** Check Responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.
- C.3.9.2** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:
- a) the gross misplacement of the decimal point in any unit rate;
 - b) omissions made in completing the pricing schedule or bills of quantities; or
 - c) arithmetic errors in:
 - i) line items totals resulting from the product of a unit rate and a quantity in bills of quantities or
 - ii) the summation of the prices.
- C.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices

C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

C.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificate which the conditions of contract identified in the **contract data**, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept tender offer, if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) Is not under restrictions, or has principals who are under restrictions, preventing participating in procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the technical qualifications, professional and technical competence, financial resources, equipment and other managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract.

- c) has the legal capacity to enter into the contract,
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the **tender data**, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

C.3.14 Prepare contract documents

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer. The tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents, and
- c) other revisions agreed between the employer and the successful tenderer.

C.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

C.3.15 Complete Adjudicator's Contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete the formalities for appointing the selected adjudicator at the same time as the main contract is signed.

C.3.16 Registration of the Award

An Employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction contract is accepted in writing by the employer, register and publish the award on the cidb Register of Projects.

C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the tender data of the signed copy of the contract as soon as after completion and signing of the form of offer and acceptance.

C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender. Information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

T1.4. Annexure to Notice and Invitation to Quote**REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE**

In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the verification functionality of key supplier information.

Prospective suppliers will be able to self - register on the CSD website: www.csd.gov.za

Once the supplier information has been verified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated.

Suppliers can provide their CSD supplier number and unique security code to organs of state to view their verified CSD information.

Bidders are required to fill in clearly, legibly, in bold print and black ink their CSD supplier number in the space hereunder:

Name of Supplier	
Central Supplier Database (CSD) Supplier Number:	

REGISTRATION ON THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD REGISTER OF CONTRACTORS

In terms of the Construction Industry Development Board Act (CIDB) (Act No. 38 OF 2000) all contractors must be registered on the register of contractors. For registration CIDB can be contacted as detailed below:

Private Bag X14
Brooklyn Square
75
Pretoria

Helpline: 0860-103-353

Website : <http://www.cidb.org.za>

In the case of a Tender by a Joint Venture, certified copies of proof of Good Standing with the Compensation Commissioner in respect of each party to the Joint Venture must be attached to this page

T2.1 LIST OF RETURNABLE DOCUMENTS

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Project Manager:	Ms. Z. B. Malunga	Quotation no:	ZNTD04116

1. RETURNABLE SCHEDULES REQUIRED FOR QUOTATION EVALUATION PURPOSES

(Quotationer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Quotation)

Quotation document name	Returnable document	
Submission of Compulsory Returnable Schedules.	Yes	
Compulsory Enterprise Questionnaire.	Yes	
Authority to sign Quote.	Yes	
Financial Standing and other Resources of Business Declaration	Yes	
Equipment Schedules applicable	Yes	
Preference Certificate	Yes	
Site Inspection Certificate.	Yes	
Contractors Health & Safety Declaration.	Yes	
Certificate of Independent Bid Determination - SBD 9	Yes	
Contract Form - Purchase of Goods/Works-Part 1	Yes	
Contract Form - Purchase of Goods/Works-Part 2	Yes	
Declaration of interest - SBD 4	Yes	
Declaration of Bidder's past Supply Chain Management Practices - SBD 8	Yes	
Capacity of Bidder	Yes	
Invitation to Bid - SBD 1	Yes	
	No	N/A
	No	N/A
	No	N/A
	No	N/A

2. RETURNABLE SCHEDULES REQUIRED FOR QUOTATION EVALUATION PURPOSES BUT TO BE SUPPLIED BY THE BIDDER

(Quotationer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Quotation)

Quotation document name	Returnable document	
CIDB Registration form or application for Registration form (F006) including Registration number	Yes	
Tax Compliance Status (TCS) PIN to verify on line compliance supplier status via e-filing.	Yes	
B-BBEE Certificate	Yes	
Complete Schedule of rates is to be submitted on the day of the Quotation closing date.	Yes	
Proof of Payment of Bid Deposit	No	N/A
Proof of Paid Municipal Rates and Taxes.	Yes	
Proof of UIF Registration.	Yes	
Proof of good standing with the Compensation Commissioner	Yes	
Certified CIDB Contractors Grading Designation Certificate	Yes	
Certified Proof of Registration Number on the Central Suppliers Database	Yes	
Base Line Risk Assessment	Yes	
Declaration Certificate for local production and content for designated sectors - SBD 6.2	Yes	

3. RETURNABLE SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT

(Quotationer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Quotation)

Quotation document name	Number of pages issued	Returnable document	
Form of Offer and Acceptance	3 Pages	Yes	
Contract Data	5 Pages	Yes	
Pricing Schedule	2 Pages	Yes	
	Pages	No	N/A

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

(Quotationer to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the Quotation)

Quotation document name	Number of pages issued	Returnable document	
Client's Specific requirement for the Contractor's detailed OHS plan	Pages	Yes	
Quality Criteria	Pages	Yes	
	Pages	No	N/A
	Pages	No	N/A
	Pages	No	N/A
	Pages	No	N/A
	Pages	No	N/A

5. DOCUMENTS REQUIRED FOR THE EVALUATION OF FUNCTIONALITY

(Bidder to Insert a tick (✓) in the "Returnable document" column to check which documents he/she returned with the bid)

Bid document name	Returnable	
Proof of working capital of at least 25% of project value	Yes	
Letters of credit reference from suppliers and credit limits to be stipulated with supporting documents	Yes	
Annual/Audited Financial Statement/Management Account/Income and Expenditure Statements	Yes	
Detailed schedule of resources at all levels	Yes	
Schedule of years of experience on similar projects	Yes	
Schedule of experience on projects of similar value and duration (Past 3 years) – letters of award to be attached and practical completion certificate for all work completed in the preceding 3 years	Yes	
Demonstrated ability to work on an accelerated programme	Yes	
Experience in projects that have operational challenges i.e. public interface	Yes	
Tenderer's Project Management Structure and Organogram and Experience of Resources Proposed for the Project	Yes	
Submission of a detailed organogram	Yes	
All key project resources have more than (5) years' experience in the construction industry. All key project resources have experience in projects of a similar value and nature	Yes	
Detailed CV. Traceable reference. Certificates of qualified professionals in their full employment to be attached.	Yes	
Detailed CV of each team member (Category) and Traceable references to be detailed	Yes	
All key project resources are dedicated full time for the duration of the project including proof of UIF contributions	Yes	
Tenderer to demonstrate key/resource deployment over the various work package	Yes	
Letter from a registered financial institution confirming intention to issue a provision of a guarantee	Yes	
Site establishment indicating proposed layout for all prescribed facilities, hoarding, etc.	Yes	
Resourcing strategy for the various work breakdown structures including resource deployment plan (PS)	Yes	
Material storage, handling and distribution	Yes	
Productivity, programming, resource investment, progress tracking, corrective action plans, etc.	Yes	
Programme and progress reporting, including tracking of long lead procurement items	Yes	
OHS Management, compliance and reporting	Yes	
Site documentation control, filing and archiving	Yes	
Queries and information required approach	Yes	
Procurement of outsourced resources e.g. sub-contractors	Yes	
	No	N/A
	No	N/A
	No	N/A
	No	N/A
	No	N/A

T2.2 Compulsory Enterprise Questionnaire

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO:	065425

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: CSD Number:

Section 5: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 6 partners

Section 6: Particulars of companies and close corporations

Company registration number	
Close corporation number	
Tax reference number	

Section 7: SBD4 issued by National Treasury must be completed for each tender and be attached as a tender requirement

Section 8: SBD6 issued by National Treasury must be completed for each tender and be attached as a tender requirement

Section 9: SBD8 issued by National Treasury must be completed for each tender and be attached as a tender requirement

Section 10: SBD9 issued by National Treasury must be completed for each tender and be attached as a tender requirement

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to verify the tenderers tax clearance status from the South African Revenue Services that it is in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed		Date	
Name			
Position			
Enterprise name			

T2.3 AUTHORITY TO SIGN QUOTE

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

held at (town) :

on (date) :

RESOLVED that:

1. The Enterprise submits a Quote to the KZN Department of Public Works in respect of the following project:

KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS

Bid / Quotation Number: **ZNTD04116**

2. *Mr/Mrs/Ms:

in *his/her capacity as:

(Position in the Enterprise)

and who will sign as follows:

(Authorised Signatory)

be, and is hereby, duly authorised to sign the Quote, and any and all other documents and/or correspondence in connection with and relating to this Quote, as well as to sign any Contract, and any and all documentation, resulting from the award of the Quote to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			

Note:

1. * Delete which is not applicable.
2. NB. This resolution / Power of Attorney must be signed by all the Directors / Members / Partners of the Legal Quoting Enterprise authorising the Representative to make this Offer.
3. Should the number of Directors / Members/Partners exceed the space available above, additional names and signatures must be supplied on a separate page.
4. In the case of the Quoting Enterprise being a Close Corporation, a certified copy of the Founding Statement of such corporation must be attached to this Quote.

ENTERPRISE STAMP (If Any)

T2.4 FINANCIAL STANDING AND OTHER RESOURCES OF BUSINESS DECLARATION

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Bid no:	ZNTD04116	WIMS NO :	065425

**ATTACH COMPANY PROFILE TO THIS PAGE IF ALL THE RELEVANT INFORMATION REQUESTED ON THIS FORM
IS DEALT WITH IN SAID COMPANY PROFILE**

- (a) Based on the track record determined on the Minimum Average Annual Turnover coupled to the assessed Works Capabilities of Contracting Enterprises, the Construction Industry Development Board (CIDB) awards Grading Designations and accordingly registers it on the system.
This confirms that a Contractor has, at the time of registration, in the absence of any supply side interventions, sufficient working capital to commence the Works for a single contract and render due performance.
- (b) However, it regularly occurs that a Contractor will at the same time submit Bids for a number of projects that are advertised during an overlapping period. Moreover, the Contractor may be busy with a Contract that is of the registered CIDB Grading Designation (value) or is even attending to a number of smaller valued Contracts.
- (c) It therefore becomes the prerogative of a Bidder in such instances to prove to the Department that the Enterprise has the capacity in every respect to attend to more than one (1) contract at a time.
- (d) A Bidder who wishes to be considered for this Bid Contract award, over and above other Bids that they have submitted, shall submit when requested by the DoPW the necessary proof that:
 - (i) he/she has access to additional finance (inclusive of a PERFORMANCE GUARANTEE BY A REGISTERED FINANCIAL INSTITUTION),
 - (ii) he/she has additional Human Recourses available to successfully complete this project.
 - (iii) he/she has adequate Equipment, Plant and Machinery that all of the above can, undoubtedly, be sourced for this Bid. (Please submit to the DoPW the name and contact details of the supplier if the Bidder is going to hire Equipment, Plant or Machinery, when requested.)

I, the undersigned,

(name of person authorized to sign on behalf of the Bidder)

understand that it is the responsibility of the Bidder to prove and provide when requested by the DoPW, evidence of the good Financial Standing of the Business to complete the Contract successfully.

Furthermore, it is understood that failure to provide when requested by DoPW, at least the information as stated in paragraphs (d)(i)(ii) AND (iii) above will not enable the Evaluation Team to assess the CURRENT financial standing of the Business and the failure to provide said information when requested will, therefore, invalidate the Bid.

I accept and understand that the Department of Public Works, as representative of the Provincial Administration of KwaZulu-Natal in this Bid, may act against me and the Bidder, jointly and severally, should this declaration and/or any information provided be found to be false.

Duly signed at..... on this the..... day of..... 201...

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative

T2.5 EQUIPMENT SCHEDULES			
Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425

The Bidder shall complete the following schedules giving details of the various items of materials or equipment that he includes in his offer.

TECHNICAL DATA: STANDBY PLANT

Manufacturer:	
Model number:	
Serial number:	
Voltage	
KVA	
Frequency	
RPM	
Cylinder/stroke	
Fuel capacity and consumption	
Sound pressure level	
Condenser air flow rate	
Attenuation type	
Battery Type	
AMF Change Over Panel Type	
Starter Motor Type and Voltage	
Standard Compliance	

WIMS No : 065425

EQUIPMENT SCHEDULES**TECHNICAL DATA: UNINTERRUPTABLE POWER SUPPLY UPS**

Manufacturer	
Model	
Frequency	
Harmonic Distortion Reduction	
Operating Temperature	
Range of Protection – Lightning Strike	
KVA	
Maximum current, cooling mode	
Agent	
Telephone number of Agent	
Brochure enclosed	Yes/No

TECHNICAL DATA: PARCEL X-RAY UNITS

Manufacturer	
Model	
Dimension /Size	
Resolution	
Zoom ranges	
External Radiation Levels	
Standard Compliance	
Electrical nominal voltage	
Monitor Type and size	Volts
Agent	
Telephone no of Agent	
Brochure enclosed	Yes/No

WIMS No : 065425

EQUIPMENT SCHEDULES**TECHNICAL DATA: WALK THROUGH DETECTOR**

Manufacturer	
Model	
Timer mode	
No of sequential settings per time switch	
No of N/O and N/C contacts per setting	
Adjustable time lapse between settings	
Operating voltage	
Operating current	
Agent	
Telephone number	
Brochure enclosed	Yes/No

TURNSTILE

Manufacturer	
Size	
Range	
Voltage	
Battery Back Up Time	
Finish	
Agent	
Telephone number	
Brochure enclosed	Yes/No

WIMS NO : 065425**EQUIPMENT SCHEDULES****TECHNICAL DATA: PARAPLEGIC LIFT**

Manufacturer	
Panel thickness	
Load	
Stops	
Car Size	
Door Opening	
Door Type	
Speed	
Type of Drive	
Speed Control	
Type of Car and Landing Buttons	
Type of Landing Door Frames	
Type of Door	
Internal Finishes	
Pit	
Head Room	
Battery Type	
Method of joining panels	
Floor construction	
Standard Compliance	
Agent	
Telephone number of Agent	
Brochure enclosed	Yes/No

WIMS NO : 065425

EQUIPMENT SCHEDULES**TECHNICAL DATA: AIR-CONDITIONING AND VENTILATION INSTALLATION**

Area:		
Manufacturer:		
Model number:	WCPU	
	Cooling Tower	
Serial number:	WCPU	
	Cooling Tower	
Voltage		V
Starting amps		A
Running amps		A
System supply gauge pressure		kPA
System return gauge pressure		kPA
Condenser water inlet temperature		°C
Condenser water outlet temperature		°C
Condenser water flow rate		l/s
Blower unit air inlet temperature		°C
Blower unit air outlet temperature		°C
Blower unit air flow rate		m³/s
Conditioned room air temperature after 1 hour, Design		°C
Conditioned room air temperature after 1 hour, Actual		°C

T2.6 CONTRACTOR'S SAFETY, HEALTH AND ENVIRONMENTAL DECLARATION

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425

INTRODUCTION

In terms of Regulation 5(1)(h) of the Construction Regulations of February 2014 a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Bid.

DECLARATION

1. I, the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications attached to this document.
2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction works under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
3. I hereby confirm that adequate provisions has been made in my Bid to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specifications.
4. I hereby undertake that if my Bid is accepted, to provide before commencement of the Works under the contract or as required by the Conditions of the Contract, a suitable and sufficiently documented Construction Safety, Health and Environmental Management Plan in accordance with Regulation 7(1)(a) of the Construction Regulations of February 2014, which shall be subject for approval by the Client.
5. I confirm that I may not commence with any part of construction work under the contract until my Construction Safety Health and Environmental Management Plan has been approved in writing by the Client.
6. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Construction Safety, Health and Environmental Specification.
 - b) Approved Construction Safety, Health and Environmental Plan.
 - c) Occupational Health and Safety Act, Act 85 of 1993.
 - d) Construction Regulations of February 2014.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and the Construction Regulations of February 2014, and accept that my tender will be rejected.

Duly signed at..... on this the..... day of..... 20.....

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative of Quoter

T2.7 SITE INSPECTION MEETING CERTIFICATE

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425
Closing date:	As per advertisement		

This is to certify that I, _____

representing _____

(Name of authorised Representative)

visited the site on: _____

(Name of Enterprise)

(Date)

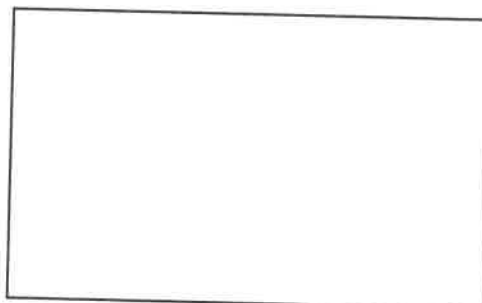
I have made myself familiar with all local conditions likely to influence the work and the cost thereof. I further certify that I am satisfied with the description of the work and explanations given at the site inspection meeting and that I understand the work to be done, as specified and implied, in the execution of this contract.

I declare that the representative, named above, is my authorised representative and not a third party agent and that my representative's attending of this site meeting, shall be deemed conclusive proof that my Enterprise are fully aware of what was said and discussed at this meeting.

Name of Bidder	Signature	Date

Name of DOPW Representative	Signature	Date

This form is only to be completed when applicable to the tender and if a Compulsory Site meeting has been called.



Departmental Stamp:

T2.8 CERTIFIED PROOF OF VALID UIF REGISTRATION

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425

**ATTACH A CERTIFIED COPY OF PROOF, THAT
THE BIDDER IS IN GOOD STANDING WITH THE
UIF TO THIS PAGE FOR ADJUDICATION
PURPOSES**

NOTE

In the case of a Quote by a Joint Venture, certified copies of proof of Good Standing with the **UIF** in respect of each party to the Joint Venture must be attached to this page

"The contractor must submit proof of UIF Contributions made to the fund to the Principal Agent on a monthly basis for the duration of the contract.

Should the contractor default on his monthly payments, the Employer will pay the outstanding payments due and the contractor will be liable for payments made by the Employer on behalf of the contractor, plus any additional cost associated with this process."

T2.9 PREFERENCE CERTIFICATE

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

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

1. GENERAL CONDITIONS

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

the 80/20 system for requirements with a Rand value of up to R 50,000 000; and

1.1.1 Where the financial value inclusive of VAT of one or more responsive tenders received equals or is less than R 50,000 000, the 80/20 system shall be applicable.

1.2 Preference points for this tender shall be awarded for:

1.2.1 Price points and

1.2.2 Preference points

80

20

100

1.3 The points for this tender are allocated as follows:

		Points:
1.3.1	PRICE	80
1.3.2	SPECIFIC CONTRACT PARTICIPATION GOALS	
1.3.2.1	B-BBEE Status Level of Contributor	
	(i) Level 1	20,00
	(ii) Level 2	18,00
	(iii) Level 3	14,00
	(iv) Level 4	12,00
	(v) Level 5	8,00
	(vi) Level 6	6,00
	(vii) Level 7	4,00
	(viii) Level 8	2,00
	(ix) Non-compliant contributor	0,00
	TOTAL POINTS FOR PRICE and PREFERENCE POINTS MUST NOT EXCEED 100	max 100

Total points for Price, B-BBEE preference points **must not exceed 100**

1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Construction Sector Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) with the quotation, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5 The bidder shall be a Value Adding Enterprise. A Value Adding Enterprise is defined in the BBBEE Code of good practice as an organisation that is VAT registered and whose net profit before tax summed with its total labour cost exceeds 25% of the value of its total revenue.

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

2 GENERAL DEFINITIONS

2.1 **"All applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

2.2 **"B-BBEE"** means broad-based black empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

2.3 **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

2.4 **"proof of B-BBEE status level of contributor" means-**

a) the B-BBEE status level certificate issued by an authorised body or person;

b) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or

c) any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act

- 2,5 **"black designated groups"** has the meaning assigned to it in the codes of good practice issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act.
- 2,6 **"black people"** has the meaning assigned to it in section 1 of the Broad-Based Black Economic Empowerment Act.
- 2,7 **"Bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods, works or services, through price quotations, advertised competitive bidding process or proposals.
- 2,8 **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act 53 of 2003);
- 2,9 **"co-operative"** means a co-operative registered in terms of section 7 of the Co-Operatives Act, 2005 (Act No 14 of 2005)
- 2.10 **"designated group" means**
- a) black designated groups;
 - b) black people;
 - c) women;
 - d) people with disabilities; or
 - e) small enterprises, as defined in section 1 of the National Small Enterprise Act, 1996 (Act No 102 of 1996)
- 2,11 **"designated sector"** means a sector, sub-sector or industry or product designated in terms of regulation 8(1)(a).
- 2,12 **"Comparative price"** means the price after the factors of a non-firm price and all unconditional discounts that can be utilised have been taken into consideration.
- 2,13 **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- 2,14 **"Consortium or joint venture"** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract.
- 2,15 **"military veteran"** has the meaning assigned to it in section 1 of the Military Veterans Act, 2011 (Act No 18 of 2011).
- 2,16 **"Contract"** means the agreement that results from the acceptance of a bid by an organ of state.
- 2,17 **"National Treasury"** has the meaning assigned to it in section 1 of the Public Finance Management Act, 1999 (Act No 1 of 1999)
- 2,18 **"EME"** means any enterprise with an annual total revenue of **R10 million or less;**
- 2,19 **"QSE"** means any enterprise with an annual total revenue between **R10 million and R50 million;**
- 2,20 **"people with disabilities"** has the meaning assigned to it in section 1 of the Employment Equity Act, 1998 (Act No 55 of 1998).
- 2.21 **"Firm Price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from change, imposition or abolition of customs or excise duty and any other duty, levy or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs
- 2,22 **"price"** includes all applicable taxes less all unconditional discounts.
- 2.23 **"Quality"** shall mean totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs.
- 2.24 **"Non-firm prices"** means all prices other than "firm" prices;
- 2.25 **"Person"** includes reference to a juristic person.

- 2.26 **"Rand value"** means the total estimated value of a contract in Rand denomination that is calculated at the time of bid invitations and includes all applicable taxes and excise duties.
- 2.27 **"stipulated minimum threshold"** means the minimum threshold stipulated in terms of regulation 8(1)(b).
- 2.28 **"Sub-contract"** means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.29 **"Total revenue"** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- 2.30 **"trust"** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.31 **"trustee"** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.
- 2.32 **"rural area" means-**
- a) a sparsely populated area in which people farm or depend on natural resources, including villages and small towns that are dispersed through the area; or
 - b) an area including a large settlement which depends on migratory labour and remittances and government social grants for survival, and may have a traditional land tenure system.
- 2.33 **"township"** means an urban living area that anytime from the late 19th century until 27 April 1994, was reserved for black people, including areas developed for historically disadvantaged individuals post 27 April 1994.
- 2.34 **"treasury"** has the meaning assigned to it in section 1 of the Public Finance Management Act, 1999 (Act No 1 of 1999)
- 2.35 **"youth"** has the meaning assigned to it in section 1 of the National Youth Development Agency Act, 2008 (Act No 54 of 2008)

3 EVALUATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when quality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for Quality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4 POINTS AWARDED FOR PRICE

4.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis: $P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$

80/20

or

Where:

P_s = Points allocated for price of tender under consideration
 P_t = Price of tender under consideration
 P_{\min} = Price of lowest acceptable tender

5 POINTS AWARDED FOR HISTORICALLY DISADVANTAGED INDIVIDUALS

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

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

- 5.2 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a sworn affidavit confirming their annual total revenue of R10 million or less and level of black ownership or a B-BBEE level verification certificate to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017.
- 5.3 Bidders who qualify as QSEs in terms of the B-BBEE Act must submit a sworn affidavit confirming their annual total revenue of between R10 million and R15 million and level of black ownership or a B-BBEE level verification certificate to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017.
- 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6 BID DECLARATION

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

7 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.2.1 AND 5.1 ABOVE

7.1 B-BBEE Status Level of Contribution: =
[B-BBEE Status level of Contribution] [Max of points 20]

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).

8 SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted? Yes ☐ No ☐

8.1.1 If yes, indicate:

(i) what percentage of the contract will be subcontracted? %

(ii) the name of the sub-contractor?

(iii) the B-BBEE status level of the sub-contractor?

(iv) whether the sub-contractor is an EME? Yes ☐ No ☐

9 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm:

9.2 VAT registration number:

9.3 Company registration number:

9.4 Type of company/firm: (insert a **X** in the applicable box)

Partnership/
Joint Venture/
Consortium

☐

One person
business/Sole
Proprietor

☐

Close Corporation

☐

Company

☐

(Pty) Ltd

☐

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

9.6 COMPANY CLASSIFICATION

Manufacturer

☐

Contractor and/or
Supplier

☐

Professional service
provider

☐

other service providers,
e.g. transporters, etc.

☐

9.7 Total number of years the company/firm has been in business? _____

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

WITNESSES:

1.

2.

SIGNATURE(S) OF BIDDER(S)

Date: _____

Address: _____

**T2.10 TAX COMPLIANCE STATUS (TCS) PIN - TO VERIFY ON LINE
COMPLIANCE SUPPLIER STATUS VIA SARS e-FILING**

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425

TAX CLEARANCE REQUIREMENTS

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance, during the project, which is required to process your payment certificates.

In order to meet this requirement bidders are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign bidders / individuals who wish to submit bids.

SARS will then furnish the bidder with a Tax Compliance Status (TCS) **PIN** that will be valid for a period of 1 (one) year from the date of approval.

In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN.

Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za.

Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

IMPORTANT NOTICE

The South African Revenue Services (SARS) has phased out the issuing of paper Tax Clearance Certificates.

From 18 April 2016 SARS introduced an enhanced Tax Compliance (TCS) system.

The new system allows taxpayers to obtain a Tax Compliance Status (PIN), which can be utilised by authorised third parties to verify taxpayers compliance status online via SARS e-filing.

Bidders are required to fill in clearly, legibly, in bold print and black ink the SARS (TCS) **PIN** number and Tax Reference number in the space hereunder:

Tax Compliance Status (TCS) PIN Number	
Company / Bidding Entity Tax Reference Number	

Name of Bidder: _____

Signature of Bidder: _____

Date: _____

T2.11 PROOF OF PAID MUNICIPAL RATES & TAXES

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO	065425

**ATTACH PROOF OF PAID MUNICIPAL RATES &
TAXES TO THIS PAGE FOR ADJUDICATION
PURPOSES**

NOTE

In the case of a Quotation by a Joint Venture, proof of paid municipal rates and taxes for each member of the Joint Venture should be attached to this form.

**T2.12 CERTIFIED PROOF OF GOOD STANDING WITH THE
COMPENSATION COMMISSIONER**

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO	065425

ATTACH A CERTIFIED COPY OF PROOF, THAT
THE TENDERER IS IN GOOD STANDING WITH
THE COMPENSATION COMMISSIONER, TO
THIS PAGE FOR ADJUDICATION PURPOSES

NOTE

In the case of a Quote by a Joint Venture, certified copies of proof of Good Standing with the Compensation Commissioner in respect of each party to the Joint Venture must be attached to this page

T2.13 : DECLARATION OF INTEREST - SBD 4			
Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Bid no:	ZNTD04116	WIMS NO :	065425

¹ Any legal person, including persons employed by the state¹, or persons having kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of the possible allegations of favouritism, should the resulting bid/quotation, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her/their authorized representative declare his/her/their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her/their interest, where-

- 1,1 the bidder is employed by the state; and/or
- 1,2 the legal person on whose behalf the quotation/bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the quotation(s)/bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the quotation/bid.

2 In order to give effect to the above, the following questionnaire must be completed and submitted with the quotation/bid document.

- 2,1 Full Name of bidder or his or her representative: _____
- 2,2 Identity Number: _____
- 2,3 Position occupied in the Company (director, trustee, shareholder²): _____
- 2,4 Registration Number of Company, enterprise, close corporation, partnership agreement or trust: _____
- 2,5 Tax Reference Number: _____
- 2,6 VAT Registration Number: _____
- 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity number, tax reference number and, if applicable, employee / persal number must be indicated in paragraph 3 below.

¹"State" means –

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

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

2,7 Are you or any person connected with the bidder presently employed by the state? YES / NO

2.7.1 If so, furnish the following particulars:

Name or person / director / shareholder / member: _____

Name of state institution to which the person is connected: _____

Position occupied in the state institution: _____

Any other particulars: _____

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? YES / NO

2.7.2.1 If yes, did you attached proof of such authority to the bid document? YES / NO
(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.)

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

2,8 Did you or your spouse, or any of the company's directors / shareholders / members of their spouses conduct business with the state in the previous twelve months? YES / NO

2.8.1 If so, furnish particulars:

2,9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this quotation/bid?

2.9.1 If so, furnish particulars: YES / NO

2,10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between the bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this quotation/bid? YES / NO

2.10.1 If so, furnish particulars:

2.11 Do you or any of the directors / trustees/ shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? YES / NO

2.11.1 If so, furnish particulars:

3 Full details of directors / trustees / members / shareholders

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

DECLARATION

I, THE UNDERSIGNED (NAME) :

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 AND 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

Signature

Date

Position

Name of bidder

T2.14 CONTRACT FORM - PURCHASE OF GOODS/WORKS-Part 1

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

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to Head: Public Works (Department of Public Works: Province of KwaZulu-Natal) in accordance with the requirements and specifications stipulated in bid number ZNTD04116 at the price/s quoted.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax Compliance Status (TCS) PIN;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination
 - Special Conditions of Contract;
 - (i) JBCC Minor Works Edition 4 - August 2007; and
 - (i) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT): _____

CAPACITY: _____

SIGNATURE: _____

NAME OF FIRM: _____

DATE: _____

Witnesses:

1. _____

2. _____

Date: _____

PART 2 (TO BE FILLED IN BY THE PURCHASER)

- accepts your bid under reference ZNTD04116 dated _____ for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).

2. An official order indicating delivery instructions is forthcoming.
3. 3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

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

SIGNED AT _____ ON _____
[Place] [Date]

NAME (PRINT): _____

SIGNATURE: _____

Witnesses:

1. _____

2. _____

Date:

OFFICIAL STAMP:

T2.16 : DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES - SBD 8

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

Item	Question		
4,1	<p><i>Is the bidder or any of its directors listed on the National Treasury's database as companies or persons prohibited from doing business with the public sector?</i></p> <p>(Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	<p><i>If so, furnish particulars:</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		
4,2	<p><i>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</i></p> <p><i>To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445.</i></p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	<p><i>If so, furnish particulars:</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		
4,3	<p><i>Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?</i></p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	<p><i>If so, furnish particulars:</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		
4,4	<p><i>Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?</i></p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	<p><i>If so, furnish particulars:</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		

5 CERTIFICATION

I the undersigned *(full name)* _____
certify that the information furnished on this declaration is true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

Name of authorised representative	Signature	Date	Position

T2.17 CERTIFICATE OF INDEPENDENT BID DETERMINATION - SBD 9

Project title:	KZN : DEPARTMENT OF TRANSPORT : ETHEKWINI DISTRICT : MEREBANK : MEREBANK HOSTEL : SUPPLY AND FIT TOILETS, SHOWERS AND WASH HAND BASINS.		
Bid no:	ZNTD04848W	WIMS NO	071089

1. This Standard Bidding Document (SBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a per se prohibition meaning that it cannot be justified under any grounds.
3. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a) disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b) cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
4. This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

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

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

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying quote:

**ZNTD04848W - KZN : DEPARTMENT OF TRANSPORT : ETHEKWINI DISTRICT : MEREBANK : MEREBANK
HOSTEL : SUPPLY AND FIT TOILETS, SHOWERS AND WASH HAND BASINS.**

(Bid Number and Description)

in response to the invitation for the quote made by:

KZN Department of Transport

(Name of Institution)

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

I certify, on behalf of : _____ that :
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

³ 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.

Signature

Date

Position

Name of bidder

T2.18 - CLIENT'S OHSE SPECIFICATION

Project title:	ZNTD04116W: WIMS 065425: KWAZULU – NATAL: DEPARTMENT OF EDUCATION: ETHEKWINI DISTRICT: UMLAZI: SISHOSONKE HIGH SCHOOL: REPAIRS AND RENOVATIONS
Quote no:	ZNTD04116W
WIMS NO	065425



public works

Department:
Public Works
PROVINCE OF KWAZULU-NATAL

Occupational Health, Safety and Environmental Specification (OHSE SPEC)

Project Name : Sishosonke High School: Umlazi: Repairs and
Renovations

WIMS no. : 065425

Client OHS

Representative: L. Bailey

Region : eThekwini

District : eThekwini

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1. Introduction

The KwaZulu / Natal Department of Public Works is deemed as the “**Client**” in terms of the definitions of Construction Regulations of 2014 as published in *Government Gazette No. 37305*. The Construction Regulations of 2014 under CR (5) (1) stipulates that the client must prepare a suitable, sufficiently documented and coherent site specific Occupational Health and Safety Specification for the intended construction work based on the baseline risk assessment.

The purpose of this Occupational Health and Safety Specification document (*which hereinafter will be referred to as OHSE Spec*) is to provide designers and the successful tenderer with essential OHS information to ensure effective safety management during the design and construction phase of the project.

This OHSE Spec forms an integral part of the contract between the Client and the Principal Contractor, so as to ensure compliance with the Occupational Health and Safety Act, Act 85 of 1993 and its applicable regulations and must serve as the basis for the Principal Contractor to develop his/her Project Safety, Health and Environmental Management Plan. As with any other plan for it to be implemented and managed effectively it requires the allocation of sufficient funds to achieve the objectives set out in the plan. In line with this requirement Construction Regulation 5(1) (g) requires the Client to ensure that the Principal Contractor has made adequate provisions for the cost of Health and Safety Measures in their tenders.

It must be noted that this OHSE Spec as much as it is detailed it is not exhaustive and the onus is on the Principal Contractors to ensure that they comply with Section 8 of the OHS Act, Act 85 of 1993 which states that “*Every Employer shall provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of his employees.*” this means that Principal Contractors as they are employers in their own right must at all times ensure continuous assessments are done for continued provision and maintenance of a healthy and safe working environment.

2. Definitions

For the purpose of the OHSE Spec, the abbreviations or definitions given hereunder shall apply and the reference to on gender will also apply to the other gender.

"CR" refers to the Construction Regulations 2014

"Agent (Pr. CHSA)" means a competent person who acts as a representative for a Client in terms of regulation (5)5.

"Client" means Department of Public Works

"Competent person" means a person who-

- (a) Has in respect of the work or task to be performed the required knowledge, training and experience and, where applicable, qualifications, specific for that work or task: Provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2000 (Act No.67 of 2000), those qualifications and that training must be regarded as the required qualifications and training; and
- (b) Is familiar with the OHS Act, Act 85 of 1993 and with the applicable regulations made under the Act;

"Construction Manager (Site Agent)" means a competent person responsible for the management of the physical construction processes and the coordination, administration and management of resources on a construction site;

"Construction Site" means a work place where construction work is being performed;

"Construction Supervisor" means a competent person responsible for supervising construction activities on a construction site;

"Construction Vehicle" means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site for the purposes of performing construction work;

"Construction work" means any work in connection with –

- (a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- (b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system; or the moving of earth, clearing of land, the making of excavation, piling, or any similar civil engineering structure or type of work;

"Construction Work Permit" means a document issued in terms of regulation 3 of the Construction Regulations 2014;

"Contractor" means an employer who performs construction work;

"Demolition Work" means a method to dismantle, wreck, break, pull down or knock down of a structure or part thereof by way of manual labour, machinery, or the use of explosives;

"Fall Protection Plan" means a documented plan, which includes and provides for-

- (a) All risks relating to working from a fall risk position, considering the nature of work undertaken;
- (b) The procedures and methods to be applied in order to eliminate the risk of falling; and
- (c) A rescue plan and procedures;

"Health and Safety File" means a file, or other record containing the information in writing required by these Regulations;

"Health and Safety Plan" means a site, activity or project specific documented plan in accordance with the client's health and safety specification;

"Health and Safety Specification" means a site, activity or project specific document prepared by the client pertaining to all health and safety requirements related to construction work;

"Medical Certificate of Fitness" means a certificate contemplated in regulation 7(8) of Construction Regulations 2014;

"Principal Contractor" means an employer appointed by the client to perform construction work;

"Safety Officer" – a person deemed competent by SACPCMP under the relevant category of registration.

"Professional Engineer or Professional Certificated Engineer" means a person holding registration as either a Professional Engineer or Professional Certificated Engineer in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000);

3. Scope of Application

3.1 This OHSE Specification document stipulates the minimum Occupational Health, Safety, and Environmental requirements that the tenderer need to address in his / her OHSE Plan. This Specification also addresses legal compliance, hazard identification, risk assessment, risk control, and the promotion of a Health and Safety culture amongst those working on the project.

3.2 This Specification also makes provision for the protection of persons other than employees. This OHSE Spec is exclusively applicable to the following project pending any change of scope which may necessitate changes to the OHSE Specification;

Sishosonke High School: Umlazi: Repairs and Renovations

3.3 This OHSE Specification further seeks to achieve the following;

- 3.3.1 To provide Principal Contractors with the Structure of the Detailed OHSE Plans they will have to prepare and submit for this project. ***See Annexure A***
- 3.3.2 Provide the overarching framework within which the Principal Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the Occupational Health and Safety Act, Act 85 of 1993, all applicable regulations and Client Specific Requirements. ***See Annexure B***
- 3.3.3 To bring to the attention of the Bidding Principal Contractors that they need to make an undertaking that the costs for executing the project includes the costs of complying with the OHS Act, Act 85 of 1993, all applicable regulations including Client Specific requirements. Such undertaking is made by appending signatures on the OHS Declaration for Tenders. ***See Annexure C***
- 3.3.4 Ensure that the Principal Agent as the Professional Service Provider appointed by the Department to manage the project on its behalf in terms of the Conditions of Contract applicable to this project ensures that the contents of this document and the attached Baseline Risk Assessment are taken into consideration during design by all professionals appointed and that the OHSE Specification is incorporated into the tender documents. ***See Annexure D***

4. Contractual Issues

- 4.1 Acceptance by the Principal Contractor of the contract with KZN DOPW shall constitute acknowledgement that the Principal Contractor has familiarised him / herself with the contents of the OHSE Spec and that he / she will comply with all its obligations in respect thereof.
- 4.2 Due to fact that this document is based on legislative requirements, the Client requires that all Contractors comply with the requirements of this document and all other relevant legislative requirements not covered by this document.
- 4.3 The Client or its duly appointed Construction H & S Agent reserves the right to stop any Principal Contractor or Sub-Contractors from working whenever Safety, Health or Environmental requirements are being violated as required by regulation 5(1)(q). Any resultant costs of such work stoppages will be for the relevant Contractor's account.
- 4.4 The requirements as specified by the Client in this document must not be deemed to be exhaustive and the Client reserves the right to make changes as and when the Client deems fit to address issue of OHSE Compliance.
- 4.5 The Client will not entertain any claim of any nature whatsoever which arises as a result of costs incurred or delays being experienced due to the Contractor not complying with the requirements of this document and / or any other applicable legislative requirements imposed on the Contractor.

5. Administrative Requirements

5.1 Notification of Construction Work

The successful tenderer must at least within 07 working days before commencing with construction work notify the Provincial Director in writing using **Annexure "2"** if the project meets the following threshold. A copy of the notification once stamped by a DoL Official must be submitted to the client prior to commencing with construction work.

6. Appointment of a Fulltime / Part time Safety Officer

6.1 The Principal Contractors will have to appoint a competent Construction H&S Officer as per the following criteria;

- *Number of employees' onsite between 30 but below 50 – Part Time Safety Officer shall be appointed and will be onsite at least 2 days a week.*
- *Number of employees above 50 – Fulltime Safety Officer should be appointed.*
- *Should the project require a Construction Work Permit – a Fulltime Safety Officer should be appointed.*

6.2 Further to the above criteria, should the KZN DoPW or its Representative having considered the risks present and lack of compliance to the Occupational Health and Safety Act, Act 85 of 1993 and its applicable Regulations the KZN DoPW or its Representative may issue an instruction that a Part / Full Time Construction Health and Safety Officer must be appointed, such a requirement will have to be met.

Annexure A

Structure of the Detailed OHSE Plan

A detailed OHSE Plan is to be submitted by the successful tenderer as per section 3.3.1 above. The following are the minimum standard legal documentation that must form part of the OHSE Plan based on the risks attached in executing this project –

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1. The notification to commence with construction work made to the Provincial Director of Labour using Annexure 2. *(Filled in only to be submitted on approval of the Safety Plan).*
2. Letter of Good Standing with Compensation Commissioner or Compensation insurer.
3. The Contractor's Health, Safety & Environmental Policy, signed by the chief executive officer, which outlines the Contractor's OHSE compliance objectives and how they will be achieved.
4. Pre-Construction risk assessment.
5. Fall Protection Plan.
6. Relevant checklists and registers.
7. Site specific OHSE Organogram
8. Preliminary Induction Program
9. Demolition Plan
10. Environmental Management Plan
11. Proof of competency for the following legal appointees;
 - 11.1. *Construction Manager* – Detailed CV reflecting qualification, relevant *experience* and *references from previous clients*.
 - 11.2. *Construction Supervisor* - Detailed CV reflecting qualification, relevant *experience* and *references from previous clients*.
 - 11.3. *Assistant Construction Supervisor* - Detailed CV reflecting qualification, *relevant experience and references from previous clients*.
 - 11.4. *Construction H&S Officer* – SACPCMP certificate
 - 11.5. *Risk Assessor* – SAMTRAC or equivalent
 - 11.6. *Fall Protection Planner* - SAMTRAC or equivalent
 - 11.7. *Demolition work inspector* – Registered *Engineer or Technologist*
 - 11.8. *Electrician* – *wireman's licence*

Legal appointments to be appointed	
Prior Site Handover	After Site Handover on commencement with Construction work
<ul style="list-style-type: none"> • 16.2 • Construction Manager • Construction Work Supervisor • Assistant Construction Work Supervisors (<i>Necessity to be determined</i>) • Construction H&S Officer • Risk Assessor • Fall Protection Planner • Incident / Accident Investigator • Electrician 	<ul style="list-style-type: none"> • Scaffold Erectors • Scaffold Inspectors • Excavation inspector • Demolition Work Supervisor • Bulk Mixing Plant Supervisor • Explosive actuated fastening device controller • First Aider • SHE Representative • Ladder Inspector • Emergency co-ordinator • Fire Marshalls • Fire team members • Portable Electrical tool inspector • Hand tools inspector • Housekeeping inspector • Stacking and storage inspector • Lifting equipment inspector • Temporary electrical installation inspector • Temporary works inspector • Mobile plant Operator • Flammable liquids Storage Inspector • Hazardous substance storage inspector

Annexure B

Client Specific Requirements

Items	Client Specific Requirements
Site Office location	<ul style="list-style-type: none"> The location of the site office should be in an area that will not require visitors to pass through or enter area where construction work is active and will not require the re-location of the office as the project progresses.
Medical Certificates	<ul style="list-style-type: none"> In compliance with the requirements of the Construction Regulations 2014 section 7(8) the Contractor must ensure that all of his employee's onsite have a valid medical certificate of fitness specific to the construction work to be performed and issued by an occupational health practitioner in the form of Annexure 3.
Appointment of a Part - time safety officer	<ul style="list-style-type: none"> The Principal Contractors will have to appoint a competent Part Time Construction H&S Officer for this project and the part time safety officer will have to visit the site at least once in every 30 days for the duration of this project.
Public Safety	<ul style="list-style-type: none"> When working in a occupied facility the contractors risk assessment and subsequent safe work method statement must take into consideration the negative effect the Contractors activities may have on the health and safety of the occupants of the facility and make provisions for the implementation of all reasonably practicable measures to ensure the health and safety of the occupants of the building.
Extreme weather conditions	<ul style="list-style-type: none"> If the weather condition poses a threat to the health & safety of employees be it extreme heat, cold, lighting or any adverse weather condition appropriate safety measures have to be taken.
Change to scope of work	<ul style="list-style-type: none"> Should there be changes to the original scope of work, the Principal Agent must inform appointed Construction Health and Safety Agent to effect changes to the OHSE Specification.
Safety Plan Submission	<ul style="list-style-type: none"> The successful Tenderer must submit a copy of the detailed OHSE Plan for approval and keep the original for onsite use during construction. The principal Contractor will not be allowed to start site establishment before his/her SHE Plan has been approved in writing.
Bylaws	<ul style="list-style-type: none"> The Principal Contractor must incorporate any aspects of the Local Municipal bylaws which affect the, Safety and Environmental wellbeing of the employees and the public into his/her OHSE Plan and ensure compliance to such bylaws.
Risk assessment for construction work	<ul style="list-style-type: none"> To comply with CR (9) and to also address environmental issues <i>See the attached baseline risk assessment to be considered by both the designer and the principal contractor.</i>
Fall protection	<ul style="list-style-type: none"> To comply with CR (10), Edge protection and protection of floor openings need to be of such a manner as to properly protect employees from falling off elevated positions or falling into floor openings.
Structures	<ul style="list-style-type: none"> To comply with CR (11)
Construction vehicles	<ul style="list-style-type: none"> To comply with CR (23) and the following;
Electrical installations and machinery on construction sites	<ul style="list-style-type: none"> To comply with CR (24)
Use and temporary storage of flammable liquids on construction sites.	<ul style="list-style-type: none"> To comply with CR (25)
Water environments	<ul style="list-style-type: none"> To comply with CR (26)
Housekeeping and general safeguarding on construction sites	<ul style="list-style-type: none"> To comply with CR (27) and the following; Contractor to designate areas for placing refuse and rubble prior to being removed from site Contractor must implement a daily task site clean-up for all activities these should

	<p>cover work areas, stairways, walkways etc. to free of any construction debris obstruction.</p> <ul style="list-style-type: none"> • Refuse to be separated for recycling purposes • Hazardous materials such as asbestos may not be included in general rubble and need to be disposed of as per applicable legislative requirements.
Stacking and storage on construction sites	<ul style="list-style-type: none"> • To comply with CR (28).
Fire precautions on construction sites	<ul style="list-style-type: none"> • To comply with CR (29) and the following; • No smoking may be permitted on site except in designated smoking areas.
Construction employees' facilities	<ul style="list-style-type: none"> • To comply with CR (30) and the following; • Gender signs to be placed at appropriate locations • All welfare facilities to be kept in a hygienic condition at all times • Employees to be trained in good hygiene practices.
Public Safety & Signage	<ul style="list-style-type: none"> • The Principal Contractor engaged in construction work must ensure that each person working on or visiting a site, and the general public in the vicinity of the construction site, shall be made aware of the dangers likely to arise from onsite activities and the precautions to be observed to avoid or minimise those dangers. • Appropriate signage shall be posted at conspicuous points within and around the perimeter of the site. The steps to comply with this requirement must be outlined in the OHSE Plan. • The public or visitors may only be permitted on site if they go through an appropriate health and safety induction detailing hazards and risks they may be exposed to and what measures are in place to control these hazards and risks • The entire project site must be secured against unauthorized access and provided with appropriate warning signage. Where roadways or walkways must be encroached or closed due to work, adequate barriers shall be installed to safely redirect the flow of vehicles and pedestrians and protect them from construction activities. • Whenever it is necessary to maintain public use of work areas (such as sidewalks, ramps, entrances to buildings, corridors, or stairways), the public shall be protected with appropriate guardrails, barricades, temporary fences, overhead protection, or temporary partitions and hoarding. The public must also be adequately protected from any work created hazards, such as excavations. Appropriate warnings, signs, warning lights and instructional safety signs shall be conspicuously posted and placed where necessary. • The public must also be protected from falling debris and objects from the project site. Overhead protection shall be provided that will fully protect the public and be capable of withstanding the maximum forces that could be applied from potential falling objects. Special attention shall also be given to developing adequate means to protect against wind-blown debris and construction-related materials.
On Site Health and Safety Training & Induction	<ul style="list-style-type: none"> • The Principal Contractor shall ensure that all site personnel and visitors undergo a risk-specific health & safety induction training session before starting work or being permitted to enter the site. A record of attendance shall be kept in the health & safety file. • The Principal Contractor shall ensure that, on site periodic toolbox talks take place at least once per week. These talks should deal with risks relevant to the construction work at hand. A record of attendance shall be kept in the health & safety file. The above should also cover all sub-contractors that are onsite. • All Contractors have to comply with this minimum requirement. Environmental issues to be included in toolbox talks where required.
General Record Keeping	<ul style="list-style-type: none"> • The Principal Contractor and all Sub Contractors must keep and maintain Health and Safety records to demonstrate compliance with this Specification, The OHS Act 85 / 1993; and with the Construction Regulations of 2014. The Principal Contractor shall ensure that all records of incidents / accidents, training, inspections; audits, etc. are kept in a health & safety file held in the site office, which must be present on site at all times. The Principal Contractor must ensure that every Sub Contractor opens its own health & safety file, maintains the file and makes it available on request.

Health & Safety Audits, Monitoring and reporting	<ul style="list-style-type: none"> The Client or its duly appointed Agent shall conduct monthly health & safety audits. The Principal Contractor is obligated to conduct similar audits on all Sub Contractors appointed by them at least once a month. Detailed audit reports must be presented and discussed at all levels of project management meetings and a copy of such audit will be provided to the Client or its duly appointed Agent within 7 working days of such audit. Copies of the Client's audit reports shall be kept in the Principal Contractors Health & Safety File.
Emergency Procedures	<ul style="list-style-type: none"> The Principal Contractor shall submit a detailed Emergency Plan for approval by the Client prior to commencement on site. The plan shall detail the response procedure including the following key elements: <ol style="list-style-type: none"> 1. List of key competent personnel; 2. Details of emergency services; 3. Actions or steps to be taken in the event of the specific types of emergencies; 4. Information on hazardous material/situations.
First Aid Boxes and First Aid Equipment	<ul style="list-style-type: none"> The appointed First Aider(s) to be in possession of a valid first aid training certificate Level 2. Valid certificates are to be kept in the Site Safety File. All Sub Contractors with more than 5 employees shall supply their own first aid box, except if otherwise agreed upon between Principal and Sub- Contractor in writing.
Accident / Incident Reporting and Investigation	<ul style="list-style-type: none"> Injuries are to be categorised into Near miss, first aid, LTI, fatal etc. Fatal accidents to be reported in addition to applicable legislative requirements to the Client or its duly appointed Agent with immediate effect. The Principal Contractor must stipulate in its construction phase OHSE Plan how it will handle each of these categories. When reporting injuries to the Client, these categories shall be used. The Principal Contractor shall investigate all injuries, with a report being forwarded to the Client immediately. All Sub- Contractors have to report on the abovementioned categories of injuries to the Principal Contractor at least monthly. All categories of incidents/accidents must be in the Statistics Section of the Monthly Audit Reports, submitted to the Client or its duly appointed Agent.
Hazards and Potential Situations	<ul style="list-style-type: none"> The Principal Contractor shall immediately notify other Sub Contractors as well as the Client of any hazardous or potentially hazardous situations that may arise during performance of construction activities. Should a hazardous situation require work stoppages, the work must be stopped and corrective steps taken such as the issue of Written Safe Work Procedures and the issue of Personal Protective Equipment.
Personal Protective Equipment (PPE) and Clothing	<ul style="list-style-type: none"> The Principal Contractor must ensure that all workers are issued with the required PPE as required by the risks associated with the activities they perform. The minimum PPE to be worn on site will be Safety Shoes/Boots, Hard Hats, and Overalls. No Visitors may enter the site without Safety Shoes/Boots and Hard hats. The Principal Contractor and all Sub Contractors shall make provision and keep adequate quantities of SABS approved PPE on site at all times. All employees issued with PPE to be trained in correct use, records of training and issue to be kept in the Site SHE File. Procedure to be in place to deal with: <ol style="list-style-type: none"> 1. Lost or stolen PPE; 2. Worn out or damaged PPE replacement; and 3. Employees not utilising PPE as required. The above procedure applies to Principal Contractors and their appointed Sub-Contractors, as they are all employers in their own right.
Speed Restrictions and Protections	<p>Unless otherwise stipulated, the maximum speed limit on sites must be limited to 10 km/h.</p> <ol style="list-style-type: none"> 1) Vehicle movement routes on site must be clearly indicated where applicable. 2) Signage to ensure the safe movement of vehicles on site, as well as to ensure the health and safety of all employees and visitors on site, must be displayed in strategic locations.
Hazardous Chemical Substances (HCS)	<ol style="list-style-type: none"> 1) To comply with Hazardous Chemical Substances Regulations as published in Government Notice No. R. 1179 dated 25 August 1995. 2) In addition to the abovementioned, Material Safety Data Sheets must be kept on site for all materials, which may contain hazardous chemical substances.

Fire Extinguishers and Fire Fighting Equipment	<ol style="list-style-type: none"> 1) The Principal Contractor and Sub-Contractors must allow for and provide adequate provision of regularly serviced temporary firefighting equipment located at strategic points on site, specific for the classes of fire likely to occur. 2) The appropriate notices and signs must be allowed for and be erected as required. 3) Contractors may not utilize fire protection equipment belonging to the Client without prior consent.
Ladders and Ladder Work	<ol style="list-style-type: none"> 1) The Principal Contractor must allow for and ensure that all ladders are inspected at least monthly, are in a good safe working order, are the correct height for the task, extend at least 1m above the landing, are fastened and secured and are placed at a safe angle. 2) Records of inspections must be kept in a register on site.
General Machinery	To comply with Driven Machinery Regulations as published in Government Notice No. R. 1010 dated 18 July 2003.
Portable Electrical Tools and Hand Tools	<ol style="list-style-type: none"> 1) The Principal Contractor shall ensure that all electrical tools, electrical distribution boards, extension leads, and plugs are kept in a safe working order. 2) The Principal Contractor shall ensure that all portable electrical Equipment, is clearly numbered, inspected by a Competent appointed person and records of such inspections to be kept on record in an appropriate register on the site SHE file. 3) The Principal Contractor shall allow for and ensure the following in relation to hand Tools: That a "Competent Person" undertakes routine inspections and records are kept on site. <ul style="list-style-type: none"> ○ That only authorized trained persons use the tools. ○ That safe working procedure applies. ○ That PPE is provided and used.
Adequate Lighting	All Contractors must allow for and ensure that adequate lighting is provided to allow for work to be carried out safely.
Transportation of Workers	<ol style="list-style-type: none"> 1) In addition to CR 23 the following will apply The Principal Contractor and Sub-Contractors shall not: <ul style="list-style-type: none"> • Transport persons together with goods or tools unless there is an appropriate area or section of the vehicle in which to store such goods. • Transport persons on the back of trucks except if a proper canopy (properly covering the sides and top) has been provided with suitable seating areas. • Permit workers to stand or sit on the edge of the transporting vehicle. • Transport workers in LDVs unless they are closed / covered and have the correct number of seats for the passengers • No driver may transport more than six people on the back of a 1 Ton LDV and more than four passengers on the back of a ½ Ton LDV. 2) The driver of any LDV may not permit more than two passengers to occupy the cab of any LDV. 3) Drivers of such vehicles must have a valid driver's license for the code of vehicle being driven by them. 4) No servicing of vehicles will be permitted on a Construction Site. No Vehicles or machinery leaking oil will be permitted on site due to the risk posed to the environment. 5) Any oil or diesel spilled on site must be cleaned up as per accepted environmental practice. <p>In the event that Earth Moving Machinery is present on site the following must be adhered to:</p> <ul style="list-style-type: none"> • Drivers of vehicles must be instructed to avoid parking behind earth moving machinery in order to ensure that their vehicles are visible to the operators of earth moving machinery. • Right of way must be afforded to earth moving machinery at all times. • Vehicles must only be permitted to park, where possible, in designated areas.
Occupational Hygiene	<ol style="list-style-type: none"> 1) Occupational exposure is a major problem and all Contractors must ensure that proper health and hygiene measures are put in place to prevent exposure to these

	<p>hazards.</p> <p>2) All Contractors must prevent inhalation, ingestion and absorption of any harmful chemical or biological agents.</p> <p>3) Water to be utilized for drinking purposes may only be drawn from taps designated for drinking water purposes. Fire hydrants and fire hose reels may not be utilized for drinking water purposes.</p>
Environmental Management	<ul style="list-style-type: none"> • The Principal Contractor and Sub-Contractors must comply with the requirements of NEMA Act No. 107 (<i>National Environmental Management Act No 107, 1998</i>). • The Principal Contractor must develop a waste management plan, implement and maintained it onsite. • Cement mixing to be done at a predetermined location on site which must include a solid, slab, and bunded edges to prevent runoff. • Contaminated run off water from the site must be treated such as to ensure that it does not pose a risk to the environment. • Any material which may have a harmful effect when disposed of by normal means must be disposed of in an appropriate manner to eliminate its harmful effect on the environment after disposal. • The Principal Contractor must allow for and ensure that adequate procedures are implemented and maintained to ensure that waste generated is placed in suitable receptacles and removed from the site promptly. • Plans to deal with spillages must be in place and maintained. • No waste materials (liquid or solid) may be disposed of in drains. • No burning of waste material may take place on site as such material being burned may result in pollution of the air or give off toxic vapours which could be harmful to the health of employees or any other person present on site.
Alcohol and other Drugs	<ul style="list-style-type: none"> • No alcohol and other drugs will be allowed on site without the express permission of the Principal Contractor • No person may be under the influence of alcohol or any other drugs while on the construction site. • Any person on the construction site who is on prescription drugs must inform his / her Employer accordingly and the Employer shall in turn report this to the Principal Contractor immediately. • Any person on the construction site who is suffering from any illness / condition that may have a negative effect on his/her safety performance must report this to his / her Employer, who in turn must report this to the Principal Contractor forthwith. • Any person on the construction site who is suspected of being under the influence of alcohol or other drugs must be removed from site immediately and be instructed to report back the next day for a preliminary inquiry. A full disciplinary procedure must be followed by the Contractor concerned and a copy of the disciplinary action must be forwarded to the Principal Contractor for his records.

CONTRACTOR'S SAFETY, HEALTH AND ENVIRONMENTAL DECLARATION

Project title:	<i>Sishosonke High School: Umlazi: Repairs and Renovations</i>		
Bid no:		WIMS no:	065425

INTRODUCTION

In terms of *Construction Regulation 7(1) (a)* of the *Construction Regulations of February 2014* a Contractor may only be appointed to perform construction work if the Client is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the *Occupational Health and Safety Act, Act 85 of 1993* and the *Construction Regulations of February 2014*. In line with this requirement the Contractor is required to read through this document carefully, sign it and submit it with his/her Tender.

DECLARATION

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification attached in the tender document.
2. I hereby declare that my company and its employees has the necessary competency and resources to safely carry out the construction work under this contract in compliance with the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification.
3. I hereby confirm that adequate provisions have been made in my tender to cover the cost of all Safety, Health and Environmental duties and responsibilities imposed on me by the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations of February 2014 and the Construction Safety, Health and Environmental Specification.
4. I confirm that I may not commence with any part of construction work under the contract until my Construction Safety, Health and Environmental Plan has been approved in writing by the Client.
5. I hereby confirm that copies of the following documentation will be kept on site for viewing and inspection purposes for the duration of the construction work:
 - a) Client's Construction Safety, Health and Environmental Specification
 - b) Approved Construction Safety, Health and Environmental Plan
 - c) Occupational Health and Safety Act, Act 85 of 1993, and
 - d) Construction Regulations of February 2014.
6. I agree that my failure to complete and execute this declaration to the satisfaction of the Client will mean that I am unable to comply with the requirements of the Occupational Health and Safety Act, Act 85 of 1993 and Construction Regulations 2014, and accept that my tender will be rejected.

Duly Signed at..... on this the..... day of.....202....

Full Name of Signatory

Name of Enterprise

Capacity of Signatory

Signature of authorised representative of Bidder

Annexure D

Baseline Risk Assessment

Sishosonke High School: Umlazi: Repairs and Renovations

PLEASE NOTE THAT THIS IS A BASELINE RISK ASSESSMENT AND NOT A DETAILED RISK ASSESSMENT OF ALL ANTICIPATED ACTIVITIES ON SITE:

Main Activity	Sub Activity	Safety Risks	Health Risk	Environmental Risk	Public Safety Risk	Control Measures	Responsible Person
SITE ESTABLISHMENT	Identification of existing services (i.e. water pipes, live electricity cables, sewer, etc.); etc.	Electrocution; multi-body burns; struck by tools; poisonous insects bites; etc.	Dust inhalation; body fatigue; heat exhaustion; etc.	Land Pollution from poor housekeeping	None	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor
	Water & Electricity services provision (i.e. electricity connections, etc.); etc.	Electrocution; multi-body burns; struck by tools; etc.	Dust inhalation; body fatigue; heat exhaustion; etc.	Land Pollution from poor housekeeping	Electrocution; dust inhalation; etc.	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor
	Temporal fencing of active construction areas.	Cuts; abrasion; Trip & Falls; finger injuries; etc.	Back strain; dust inhalation; heat exhaustion; etc.	Littering from poor housekeeping	Trips & Falls; etc.	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor
	Placement of site office & Construction Facilities (i.e. toilets, changing areas, etc.) on site.	Eye injuries; cuts; abrasion; Trip & Falls; finger injuries; etc.	Back strain; dust inhalation; heat exhaustion; etc.	Littering from poor housekeeping	Trips & Falls; etc.	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor
	Vehicles entering & exiting a construction site	Death; serious multi-body injuries; knocked / run-over by construction vehicles; etc.	Dust inhalation; death; etc.	Petrol & Oil leaks spillages; etc.	Dust inhalation; etc.	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor
	Moving and stacking of materials	Finger injuries; trip & falls; struck or bumped against any construction materials; etc.	Back strain; dust inhalation; etc.	Land pollution (from poor housekeeping)	None	Safe systems of work; trainings; PPE; Good Housekeeping Practise; Supervision; etc.	Contractor

Main Activity	Sub Activity	Safety Risk	Health Risk	Environmental Risk	Public Safety Risk	Control Measures	Responsible Person
REMOVAL OF OLD EXISTING FITTINGS	Removal of existing Doors frames, Doors, Windows frames, Windows etc.	Cuts; laceration; skin burn; trips & falls; eye injuries; etc.	Back strain; back pain; heat exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision	Contractor
	Removal of existing glazing, sills, etc.	Cuts; laceration; skin burn; trips & falls; eye injuries; etc.	Back strain; back pain; heat exhaustion; etc.	Littering from poor housekeeping	None	Training, PPE, safe systems of work and supervision	Contractor
	Removal of existing barge boards, fascia boards and gutters	Fall from height; Cuts; laceration; skin burn; trips & falls; eye injuries; etc.	Electrical shocks; electrocuted; nausea; heat exhaustion; dust inhalation; etc.	Littering from poor housekeeping	None	Training, PPE, safe systems of work and supervision	Contractor
	Removal of existing rhino board (Gypsum) ceiling, partitioning, cornice, etc.	Serious injuries; cuts; trips & falls; eye injuries; etc.	Back strain; dust inhalation; heat exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision	Contractor
	Replacement or Fitting doors / windows into frames / openings	Falls, Cuts; Eye Injury; Head Injury; Struck by falling objects; etc.	Muscular strains; Dust Inhalations; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision	Contractor
INSTALLATION OF DOOR FRAMES, DOORS, WINDOWS FRAMES, AND GLAZING	Fitting of lintels	Falls, Cuts; Eye Injury; Head Injury; Struck by falling objects; etc.	Muscular strains; Dust Inhalations; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision	Contractor
	Fitting of glazing	Cuts, Slip & Falls, Eye Injury, etc.	Heat Exhaustion, Muscle pain, etc.	Littering from poor housekeeping	None	Training, PPE, safe systems of work and supervision	Contractor

IRONMONGERY	IRONMONGERY					
	Ironmongery	Cuts, Laceration, Electrical shocks, Trips & Falls, Eye Injury, Abrasion, etc.	Dust Inhalation, Heat Exhaustion, etc.	Littering due to poor housekeeping	None	Training, PPE, safe systems of work and supervision
ROOFWORK	Installation of timber roof Trusses	Falls, Struck by, hands caught between,	Back strain, cuts, abrasions, Heat exhaustion, noise, fractures and death/	None	None	Training, PPE, safe systems of work and supervision
	Installation of barge, fascia boards and gutters	Cuts; Falls at height; Struck by Tools; Hands caught between; Trips & Falls; Head Injury; etc.	Back strain; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision
	Fitting of battens	Falls at height; Struck by Tools; Hands caught between; Trips & Falls; Head Injury; etc.	Dust Inhalations; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision
	Fitting of roof sheets (i.e. Metal Sheeting)	Falls at height; Struck by Tools; Hands caught between; Trips & Falls; Head Injury; etc.	Muscular strain; Back Pain; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision
	Installation of Roof Accessories (i.e. Ridge capping in pitches, Eaves fillers, etc.)	Cuts; Falls at height; Struck by Tools; Hands caught between; Trips & Falls; Head Injury; etc.	Back strain; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision
	ROOF: - Plate nails, sawn soft wood, wrot soft wood, etc.	Falls; Cuts; Trip & Falls; Eye Injury; Finger Injury; Struck by tool; etc.	Dust Inhalation; Muscular Strain; Heat Exhaustion; etc.	Littering from poor housekeeping; etc.	None	Training, PPE, safe systems of work and supervision

	Cleaning of roof	Cuts; Falls at height; Struck by Tools; Hands caught between; Trips & Falls; Head Injury; etc.	Back strain; Heat Exhaustion; etc.	Littering from poor housekeeping, air pollution etc.	None	Training, PPE, safe systems of work and supervision	Contractor
PLUMBING AND DRAINAGE	Chasing	Electricity, moving part, entanglement, struck by flying items, sparks, noise, dust	Electrocution, cuts abrasions, dust inhalation, noise induced hearing loss	None	None	Training, PPE, safe systems of work and supervision	Contractor
	Chiselling	Struck by tools, hands caught between areas, Flying particles	cuts, abrasions, dust inhalation, fractures	None	None	Training, PPE, safe systems of work and supervision	Contractor
	Excavations	Struck by tools, tripping, Falling into excavations	Back strain, heat exhaustion and death	None	None	Training, PPE, Barricading, safe systems of work and supervision.	Contractor
	Compaction	Noise, dust, Flammable substances, struck by vibration	Muscular strain, dust inhalation, noise induced hearing loss	None	None	Training, PPE, safe systems of work and supervision	Contractor
	Fitting of fixtures	Noise, dust, sharp edges, bumping against	Muscular strain, dust inhalation, noise induced hearing loss	None	None	Training, PPE, safe systems of work and supervision	Contractor
	Securing ceiling sheets	Falls, hazardous dust, bumps, sharp edges,	Muscular strains, dust inhalations, cuts and abrasions	None	None	Training, PPE, safe systems of work and supervision	Contractor
INSTALLATION OF CEILING	Fitting cornices	Bumps, sharp edges, hazardous dust and substances	Muscular strains, dust inhalations, skin absorption of hazardous substances, cuts and abrasions	Contamination of environmental resources	None	Training, PPE, safe systems of work and supervision	Contractor

PAINTWORK	Skim filling and finishing	Bumps, sharp edges, hazardous dust and substances, abrasions	Muscular strains, dust inhalations, skin absorption of hazardous substances, cuts and abrasions	Contamination of environmental resources	None	Training, PPE, safe systems of work and supervision	Contractor
	Carpentry & Joinery (incl. joinery fittings)	Cuts / laceration / electrical shocks from using unsafe angle grinders, etc.	Back strain from lifting heavy material, etc.	Littering due to poor housekeeping	None	Training, PPE, safe systems of work and supervision	Contractor
	Preparatory surface & painting on previously painted plastered surface	Slip & Fall; Bruises, Eye Injury, Abrasion, Trips & Falls, etc.	Dust Inhalation, Muscular Pain, Heat Exhaustion, Paint & Thinners Vapours Inhalation, etc.	Poor Housekeeping; Paint & Thinners; Spillage; etc.	Exposure to paint vapours	Training, PPE, safe systems of work and supervision	Contractor
	Preparatory surface & painting on previously painted metal surface	Slip & Fall; Bruises, Eye Injury, Abrasion, Trips & Falls, etc.	Dust Inhalation, Muscular Pain, Heat Exhaustion, Paint & Thinners Vapours Inhalation, etc.	Poor Housekeeping; Paint & Thinners; Spillage; etc.	Exposure to paint vapours	Training, PPE, safe systems of work and supervision	Contractor
	Preparatory surface & painting on previously painted wood surface	Slip & Fall, Bruises, Eye Injury, Abrasion, Trips & Falls, etc.	Dust Inhalation, Muscular Pain, Heat Exhaustion, Paint & Thinners Vapours Inhalation; etc.	Poor Housekeeping, Paint & Thinners, Spillage, etc.	Exposure to paint vapours	Training, PPE, safe systems of work and supervision	Contractor
	Wiring	Muscular exertion, bumping against, sharp surfaces, electrocution and death	Muscular strain	None	None	Training, PPE, safe systems of work and supervision	Contractor
	Mechanical Works	Cuts / laceration / electrical shocks from using unsafe angle grinders, etc.	Musculoskeletal injuries from working in awkward positions, or performing awkward manual tasks	Littering due to poor housekeeping	Noise, dust, collisions, death	Training, PPE, safe systems of work and supervision	Contractor

Onsite General Construction Activities				
Activity	Risk to safety	Risk to Health	Risk to Environment	Risk to Public Safety
Drilling	Entanglement, struck by flying objects, electricity, hazardous substance dust , noise	Electrocution, dust inhalation, noise induced hearing loss, muscle strain, foreign objects in eyes	Contamination of natural resources (spillages)	Dust , noise
Sanding	Grazing, wrist strain, bumping	Dust inhalation, dust in eyes, minor abrasions	None	Dust nuisance
Pressure cleaning	Eye injury, fractures, falls, slipping, death	Inhalation of dust	Water and land pollution	None
Painting	Bumping against, wrist strain	Inhalation of vapours, paint in eyes , minor abrasions	Contamination of natural resources (spillages)	None
Grinding	Electrocution, entanglement,, tripping hazards, struck by flying materials etc.	Noise induced hearing loss, cuts, loss of limbs, electrocution	None	Noise, dust etc.
Breaking of concrete	Struck by flying particles, impact hazards, vibration, electrocution etc.	Noise induced hearing loss ,dust inhalation , particles in eye, electrocution , etc.	None	Noise, dust etc.
Cement Mixing	Struck by ,sharp edges, poor working position , hazardous substances	Inhalation of cement dust, back strain , dermatitis	Contamination of natural resources (spillages)	Noise, dust
Plastering	Grazing abrasions, bumping against, struck by flying/falling objects, slipping hazards, hazardous substances etc.	Minor bruising, particles in eyes, dust inhalation, hazardous substances exposure effects	Contamination of natural resources	None
General brickwork	Abrasive surfaces, hazardous substances , straining of muscles	Cut and abrasions, crushing injuries etc.	None	Dust
				Safe systems of work ,PPE, Housekeeping, barricading, Supervision etc.
				Safe systems of work ,PPE, Housekeeping, barricading, Supervision etc.
				Safe systems of work ,PPE, ventilation of area, good housekeeping
				Safe systems of work ,PPE, ventilation of area, good housekeeping
				Safe systems of work ,PPE, cutting, barricading, temporary guarding, signage Supervision, etc.
				Safe Systems of work , barricading, temporary guarding, signage Supervision etc.
				Safe Systems of work ,PPE, Housekeeping, barricading, bunding, Supervision etc.
				Safe systems of work, training , PPE Supervision ,etc.
				Safe systems of work, barricading, signage PPE, Supervision etc.

Loading and unloading by hand	Bumping against edges , Hands caught between , Sharp edges, muscle strain	Back strain, exhaustion, bruising, hand injuries,	None	None	Safe systems of work, PPE, Training in correct lifting procedures , Supervision etc.
Ladder use	Incorrect positioning, overreach , Overhead hazards, dropping of tools from ladder, Falls	Broken bones , death, electrocution	None	None	Safe systems of work , PPE usage, Supervision etc.
Extension cords	Electricity , tripping hazards	Electrocution , fractures etc.	None	None	Safe systems of work, PPE, Supervision etc.
Hand tools	Tripping, struck by, bumping against, abrasions, sharp edges, caught between surfaces, flying metal particles etc.	Cuts ,Bruising ,Foreign material in eyes	None	None	Safe systems of work, PPE, Supervision etc.
Scaffolding erection, dismantling	Falls from height, dropping of items, sharp edges, scaffolding collapse, etc.	Back strain, bruising, cuts, abrasions, broken bones, death	None	None	Safe system of work, use of fall arrest equip, erection of safe scaffolding, Supervision, etc.

T2.19 - DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS - SBD 6.2

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

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

1. General Conditions

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

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

Where;

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00, on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on <http://www.thedti.gov.za/industrialdevelopment/ip.jsp> at no cost.

- 1.6 A bid may be disqualified if –

(a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

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

Table 1a : Minimum Local Content for Steel Value -Added Products

Steel Construction Materials	Components	Local Content Threshold
Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams , plate girders , rafters , bracing, cladding supports , stair strangers & treads , ladders , steel flooring . Floor grating, handrailing and balustrading , scaffolding , ducting , gutters, launders , downpipes and trusses	100%
Joining / Connecting Components	Gussets, cleats, stiffers, splices, cranks, kinks, doglegs, spacers, tabs , brackets	100%
Frames	Doors and Windows	100%
Roofing and Cladding	Bare Steel cladding , galvanised steel cladding colour coated cladding	100%
Fasteners	Bolts , nuts , rivets and nails	100%
Wire Products	All fencing product : all barbed wire and mesh fencing , fabric/ mesh reinforcing , gabions , wire rope/ strand and chains , welding electrodes, nails tracks, springs and screws	100%
Ducting and Structural Pipework	Non -conveyance tubing fabricated from steel sheeting and plate with structural supports	100%
Gutters , downpipes and launders	Fabricated materials made from sheeting associated with roof drainage systems	100%

Table 1b : Minimum Local Content for Steel Primary Products

Steel Construction Materials	Local Content
Plates (>4,5mm thick and supplied in flat pieces)	100%
Sheets (<4,5mm thick and supplied in coils)	100%
Galvanised and Colour Colated Coils	100%
Wire Road and Drawn Wire	100%
Sections (Channels, Angles, I Beams and H Beams)	100%
Reinforcing bars	100%

3. Does any portion of the services, works or goods offered have any imported content?

Yes ☐ No ☐ (Tick applicable box)

3. If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00, on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

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

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

IN RESPECT OF BID NO.

ZNTD04116

ISSUED BY

(Procurement Authority / Name of Institution):

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thdti.gov.za/industrial development/ip.jsp](http://www.thdti.gov.za/industrial%20development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, _____ (full names),

do hereby declare, in my capacity as _____

of _____ (name of bidder entity),

the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that:

(i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011;

(c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

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

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

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

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

SIGNATURE: _____ DATE: _____

WITNESS No. 1 _____ DATE: _____

WITNESS No. 2 _____ DATE: _____

PART A**INVITATION TO BID - SBD 1****YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE KWA-ZULU NATAL DEPARTMENT OF WORKS**

BID NUMBER:	ZNTD04116	CLOSING DATE:	As per advertisement	CLOSING TIME:	11:00
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DESCRIPTION**THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT**

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET 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

TCS PIN:

CSD No:

B-BBEE STATUS LEVEL
VERIFICATION CERTIFICATE
(Tick YES or NO)

Yes

No

B-BBEE STATUS LEVEL SWORN AFFIDAVIT (Tick YES or NO)

Yes

No

If YES, State the name of the
verification agency accredited by
SANAS**[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?

Yes

NO

[IF YES ENCLOSE PROOF]ARE YOU A FOREIGN
BASED SUPPLIER
FOR THE GOODS

YES

NO

(IF YES ANSWER PART B:3 BELOW)**SIGNATURE OF BIDDER****DATE****CAPACITY UNDER WHICH
THIS BID IS SIGNED (Attach
proof of authority to sign this
bid; e.g. resolution of
directors, etc.)****TOTAL NUMBER OF ITEMS
OFFERED****TOTAL BID PRICE (ALL INCLUSIVE)****BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:****TECHNICAL INFORMATION MAY BE DIRECTED TO:**

DEPARTMENT/ PUBLIC ENTITY

CONTACT PERSON

CONTACT PERSON

TELEPHONE NUMBER

TELEPHONE NUMBER

FACSIMILE NUMBER

FACSIMILE NUMBER

E-MAIL ADDRESS

E-MAIL ADDRESS

PART B**TERMS AND CONDITIONS FOR BIDDING - SBD 1****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 ONLINE

1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.

1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.

1.5. 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 LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.

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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.

2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.

2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.

2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	YES		NO	
3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?	YES		NO	
3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	YES		NO	
3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?	YES		NO	

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

Local Content Declaration - Summary Schedule

Tender No.

Tender description:

Designated product(s)

Tender Authority:

Tendering Entity name:

Tender Exchange Rate:

Specified local content %

Note: VAT to be excluded from all calculations

Pula	
------	--

EU	
----	--

GBP

[illegible]

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value

(C21) Total Exempt imported content

(C22) Total Tender value net of exempt imported content

(C23) Total Imported content

(C24) Total local content

(C25) Average local content % of tender

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1)	Tender No.	
(D2)	Tender description:	
(D3)	Designated Products:	
(D4)	Tender Authority:	
(D5)	Tendering Entity name:	
(D6)	Tender Exchange Rate:	Pula

Note: VAT to be excluded from all calculations

EU R 9.00

GBP	R 12.00
-----	---------

A. Exempted imported content

Calculation of imported content

[illegible]

(D19) Total exempt imported value	R 0
-----------------------------------	-----

This total must correspond with
Annex C - C21

B. Imported directly by the Tenderer

Calculation of imported content

[illegible]

(D32) Total imported value by tenderer	R 0
--	-----

C. Imported by a 3rd party and supplied to the Tenderer

Calculation of imported content

[illegible]

(D45) Total Imported value by 3rd party	R 0
---	-----

D. Other foreign currency payments

Calculation of foreign currency payments

Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange
(D46)	(D47)	(D48)	(D49)	(D50)

Summary of payments

Local value of

(D51)

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

(D53) Total of Imported content & foreign currency payments - (D32), (D45) & (D52) above	R 0
--	-----

This total must correspond with
Annex C - C.23

Signature of tenderer from Annex B

Date: _____

Annex E

Local Content Declaration - Supporting Schedule to Annex C

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

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			R 0

(E10) **Manpower costs** (Tenderer's manpower cost) R 0

(E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables etc.) R 0

(E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest etc.) R 0

(E13) **Total local content** R 0

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: _____

T2.20: CAPACITY OF BIDDER

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Bid no:	ZNTD04116	WIMS NO	065425

1. **WORK CAPACITY:** (The Bidder is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Failure to furnish the particulars may result in the Bid being disregarded.)
- 1.1. **Artisans and Employees:** (*Artisans and Employees to be ,or are ,employed for this project*)

Categories of Employee - Key Personnel (part of Business Enterprise)	Professional Registration No.	Date of Employment	Number
Site Agent			
Project Manager			
Foreman			
Quality Control & Safety Officer-Construction Supervisor			
Artisans			
Unskilled employees			
Others			

[illegible]

Address of Main Workshop:	Address of Regional Workshop (If Applicable):

[illegible]

2. PARTICULARS OF THE BIDDERS CURRENT AND PREVIOUSLY COMPLETED COMMITMENTS:**2.1. Current private sector projects: (List the 5 projects closest to the contractor grading designation of this project)**

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	

2.2. Current Government sector projects: (List the 5 projects closest to the contractor grading designation of this project)

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Scheduled date of completion	

2.3. Previously completed projects: (list the 5 projects closest to the contractor grading designation of this project)

1	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
2	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
3	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
4	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
5	Project Name		Date of commencement	
	Place (town)		Contract Amount (R)	
	Reference / Contact person		Contract period	
	Contact Tel. No.		Date completed	
Name of Bidder		Signature of authorised representative	Date	

C1.1: FORM OF OFFER AND ACCEPTANCE

Quotation no: ZNTD04116

OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Quotation Data and Addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance, the tenderer offers to perform all of the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Amount (in words):	
Amount in figures:	R

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

Signature (s)			
Name (s)			
Capacity			
For the tenderer			
	(Name and address of tenderer)		
Name and signature of witness		Date	

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below, accepts the Tenderer's
The terms of the contract, are contained in:

Part C1	Agreement and Contract Data, (which includes this agreement)
Part C2	Pricing data
Part C3	Scope of work.

Part C4	Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.
---------	---

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five (5) working days of the date of such receipt notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature (s)			
Name (s)			
Capacity			
For the employer			
	<i>(Name and address of employer)</i>		
Name and signature of witness			

Schedule of Deviations**Notes:**

1. The extent of deviations from the tender documents issued by the employer before the tender closing date is limited to those permitted in terms of the conditions of tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1. Subject:
Details:
2. Subject:
Details:
3. Subject:
Details:
4. Subject:
Details:

By the duly authorised representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

C1.2 :CONTRACT DATA:**JBCC 2000 MINOR WORKS AGREEMENT (4th Edition)****KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS**

Quotation no: ZNTD04116

The Conditions of contract are clauses 1 to 20 of the JBCC series 2000 Minor Works Agreement (4th Edition, August 2007) prepared by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained through most regional offices of the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (031-2667070), South African Association of Consulting Engineers (011-4632022), South African Institute of Architects (031-2017590), Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.

CONTRACT VARIABLES**THE CONTRACT DATA**

The **Contract Data** contains all variables referred to in this document and is divided into Employer to Contractor (EC) Data and Contractor to Employer (CE) Data categories. The Employer to Contractor (EC) Data category must be completed in full by the Employers or his Agent and included in the Quotation documents. The Contractor to Employer (CE) Data must be left blank by the Employer or his Agent for the Contractor to fill in. Both the EC and CE Data categories form part of this agreement.

Spaces requiring information must be filled in, shown as "not applicable" or deleted but not left blank. Where choices are offered, the inapplicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets.

	PART 1: CONTRACT DATA COMPLETED BY THE EMPLOYER (MINOR WORKS AGREEMENT CONTRACT DATA EC) (JBCC Series 2000 Edition 4.0 Code 2108-EC July 2007)
1	CONTRACT DATA - EMPLOYER
1.0	CONTRACTING AND OTHER PARTIES
1.1	Employer:
[1.1]	Head: Public Works (Department of Public Works: Province of KwaZulu-Natal)
	Postal address:
	Private Bag X9041
	PIETERMARITZBURG
	3201
	Tel: 033 - 8971399 Fax: 033 - 8971300
[1.2]	Physical address:
	191 Prince Alfred Street
	PIETERMARITZBURG
	3200
1.2	Principal Agent:
[6.1]	Ms. Z. B. Malunga
	Postal address:
	eThekweni District
	Mayville
	4091
	Tel: 031 203 2266 Fax: 086 517 7583
1.3	Agent (1)
[6.1.9]	#REF!
	Agent's service:
	#REF!
	Postal address:
	#REF!
	#REF!
	#REF!
	Tel: #REF! Fax: #REF!
1.4	Agent (2)
[6.1.9]	#REF!
	Agent's service:
	#REF!
	Postal address:
	#REF!
	#REF!
	#REF!
	Tel: #REF! Fax: #REF!
1.6	Interest of principal agent or other agents in the project
	Details where "yes" N/A
1.7	The principal agent [1.2] is responsible for the preparation of the contract data schedule and must be contacted should the contractor be uncertain of the information provided or to be provided. Failure to complete the contract data schedule in full may result in the tender/quote being disqualified.

Quotation no: ZNTD04794W			
2.0 CONTRACT AND SITE INFORMATION			
2.1 [1.1]	The law applicable to this agreement:	SOUTH AFRICA	(Country or State)
2.2 [1.1]	Works identification: Refer to document C3 – Scope of Work.		
2.3 [1.1]	Site description: Refer to document C4 – Site Information.		
2.4 [5.1.3]	Possession of the site is to be given on:	To be determined	(Date)
2.5 [7.1.2]	Period for the commencement of the works after the contractor takes possession of the site:	10	(working days)
2.6 [7.1.1]	Waiver of contractor's lien or right of continuing possession is required:	Yes	(Yes/No)
2.7	Existing premises will be occupied. Where "yes" the specific requirements are described or detailed in the contract documents.		No (Yes/No)
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;">N/A</div>			
2.8 [5.1.5-6]	Provision of temporary services is required. Where "yes" the specific requirements are described below or detailed in the contract documents.		YES (Yes/No)
2.11.1	Water	Option A Contractor - his cost Option B NOT APPLICABLE Employer - free of charge Option C Employer - metered (contractor cost)	A (A, or C)
2.11.2	Electricity	Option A Contractor - his cost Option B NOT APPLICABLE Employer - free of charge Option C Employer - metered (contractor cost)	A (A, or C)
2.11.3	Telecom	Option A Contractor - his cost Option B NOT APPLICABLE Employer - free of charge Option C Employer - metered (contractor cost)	A (A, or C)
2.11.4	Ablutions	Option A Contractor - his cost Option B NOT APPLICABLE Employer - free of charge	A
3.0 INSURANCES AND SECURITIES			
3.1 [3.4.1]	Public liability insurance to be effected by:	CONTRACTOR	[Employer/Contractor]
	For the sum of:	N/A	[Amount]
	With a deductible of:	N/A	[Amount]
3.2 [3.4.2]	Contract works insurance to be effected by:	CONTRACTOR	[Employer/Contractor]
	For the sum of:	Contract Sum plus 10%	[Amount]
	With a deductible of:	N/A	[Amount]
3.3 [3.4.3]	Support insurance to be effected by the employer:	N/A	[Amount]
	With a deductible of:	N/A	[Amount]
3.4 [2.5]	The employer shall provide a Payment Guarantee:	NO	[Yes/No]
	For the sum of:	N.A.	[Amount]
2.6]	The contractor shall waive his lien where a payment guarantee is provided:	N.A.	[Yes/No]
4.0 PRACTICAL COMPLETION DATES AND PENALTIES			
4.1 [7.1.2]	For the works as a whole:		
	The date for practical completion:	To be determined	[Date]
	Penalty per calendar day:	0.04% of the Contract Sum per calendar day	
	Contract Period	3	Calendar Months

5.0	DOCUMENTS AND GENERAL																			
5.1 [4.5]	Construction document copies to be supplied to the contractor free of charge:	3	[No of]																	
5.2 [4.1]	The contractor shall provide the priced document: Complete Schedule of rates is to be submitted on the day of the Quotation closing date.	"A"	[Addendum No.]																	
5.3 [1.8]	Changes made to JBCC standard documents:	Yes	[Yes/No]	"B"	[Addendum No.]															
	Additions, deletions and alterations to the JBCC Minor Works Agreement: The following clauses is N/A to this contract: <table border="1"> <tr><td>Omit Clause 2.1 and 2.2; 2.4 to 2.7</td></tr> <tr><td>Omit Clause 3.4 and 3.5;</td></tr> <tr><td>Omit Clauses 5.1.1 and 5.1.2 and 5.1.5 and 5.1.6</td></tr> <tr><td>Omit Clauses 7.1.1</td></tr> <tr><td>Omit Clause 12.3.2;</td></tr> <tr><td>Omit Clauses 13.6.1 and 13.6.3 and 13.8 and 13.13 to 13.16</td></tr> <tr><td>Omit Clauses 14.9</td></tr> <tr><td>Omit Clauses 15.1.1 and 15.1.5 and 15.3.7 and 15.3.8</td></tr> <tr><td>Omit Clauses 16.1.1 and 16.4.7 and 16.4.8</td></tr> <tr><td>Omit Clauses 17.2.6 and 17.2.7</td></tr> <tr><td>In clause 13.9.1 replace "8% of such value to a limit of 4%.." with "10% of such value to a limit of 10%.."</td></tr> <tr><td>In clause 13.9.2 replace "2% of the contract sum.." with "5% of the contract sum.."</td></tr> <tr><td>In clause 13.11 replace "within 7 calendar days of date of issue.." with "within 21 calendar days of date of issue.."</td></tr> <tr><td>In clause 4.1 replace "10 working days" with "submit the priced schedule of Quantities with the Returnable Schedules."</td></tr> <tr><td>See paragraph 5.3 of C3.2 Specification For HIVAids Awareness - penalty of 0.04% of Contract Sum.</td></tr> </table>					Omit Clause 2.1 and 2.2; 2.4 to 2.7	Omit Clause 3.4 and 3.5;	Omit Clauses 5.1.1 and 5.1.2 and 5.1.5 and 5.1.6	Omit Clauses 7.1.1	Omit Clause 12.3.2;	Omit Clauses 13.6.1 and 13.6.3 and 13.8 and 13.13 to 13.16	Omit Clauses 14.9	Omit Clauses 15.1.1 and 15.1.5 and 15.3.7 and 15.3.8	Omit Clauses 16.1.1 and 16.4.7 and 16.4.8	Omit Clauses 17.2.6 and 17.2.7	In clause 13.9.1 replace "8% of such value to a limit of 4%.." with "10% of such value to a limit of 10%.."	In clause 13.9.2 replace "2% of the contract sum.." with "5% of the contract sum.."	In clause 13.11 replace "within 7 calendar days of date of issue.." with "within 21 calendar days of date of issue.."	In clause 4.1 replace "10 working days" with "submit the priced schedule of Quantities with the Returnable Schedules."	See paragraph 5.3 of C3.2 Specification For HIVAids Awareness - penalty of 0.04% of Contract Sum.
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5.4 [5.2.1]	Work to be undertaken by direct contractors:	No	[Yes/No]	N/A	[Addendum No.]															
5.5 [5.1.7]	Interim payment certificate to be issued by:	25		[Date of Month]																
5.5 [1.1] [6.2.9]	Schedule of Price cost Amounts (if applicable). The amounts in this schedule <u>are</u> to be included in the quotation amount: <table border="1"> <thead> <tr> <th></th> <th>Description</th> <th>Amount</th> </tr> </thead> <tbody> <tr><td>1</td><td>N/A</td><td>N/A</td></tr> <tr><td>2</td><td>N/A</td><td>N/A</td></tr> <tr><td>3</td><td>N/A</td><td>N/A</td></tr> </tbody> </table>						Description	Amount	1	N/A	N/A	2	N/A	N/A	3	N/A	N/A			
	Description	Amount																		
1	N/A	N/A																		
2	N/A	N/A																		
3	N/A	N/A																		
5.6 [1.1] [6.2.10]	Schedule of Employer allowances (if Applicable). This amounts in this schedule is for information purposes only and are <u>not</u> to be included in the quotation amount. <table border="1"> <thead> <tr> <th></th> <th>Description</th> <th>Amount</th> </tr> </thead> <tbody> <tr><td>1</td><td>N/A</td><td>N/A</td></tr> <tr><td>2</td><td>N/A</td><td>N/A</td></tr> <tr><td>3</td><td>N/A</td><td>N/A</td></tr> </tbody> </table>						Description	Amount	1	N/A	N/A	2	N/A	N/A	3	N/A	N/A			
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1	N/A	N/A																		
2	N/A	N/A																		
3	N/A	N/A																		
5.7 [8.1.1] [5.2.1]	Schedule of work by direct subcontractors. Note: This schedule is for information purposes only and are <u>not</u> to be included in the quotation amount. Description and estimated values: <table border="1"> <thead> <tr> <th></th> <th>Description</th> <th>Amount</th> </tr> </thead> <tbody> <tr><td>1</td><td>N/A</td><td>N/A</td></tr> <tr><td>2</td><td>N/A</td><td>N/A</td></tr> <tr><td>3</td><td>N/A</td><td>N/A</td></tr> </tbody> </table>						Description	Amount	1	N/A	N/A	2	N/A	N/A	3	N/A	N/A			
	Description	Amount																		
1	N/A	N/A																		
2	N/A	N/A																		
3	N/A	N/A																		
5.8 [3.2.3]	Direct contractor's total insurance cover: Not Applicable																			
5.9 [1.1]	Quotation submissions shall close at the time and on the date as stated in the T1.1 - Bid Notice and Invitation to Quote																			
6.0	DECLARATION BY THE PRINCIPAL AGENT																			
	I, the principal agent named in 1.2 above, declare that the information provided above is complete and accurate at the time of calling for tenders. Where necessary, should any of the above information need to be varied, Tenderer's will be informed thereof in writing forthwith. <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; text-align: center;"> _____ Principal Agent </div> <div style="width: 45%; text-align: center;"> _____ Date </div> </div>																			

Part 2: CONTRACT DATA COMPLETED BY THE CONTRACTOR (MINOR WORKS AGREEMENT CONTRACT DATA CE) (JBCC Series 2000 Edition 4.0 Code 2108-CE August 2007)			
1.0	CONTRACT DATA - CONTRACTOR		
	CONTRACTING PARTY		
	Note: All information for this section requires to be filled in by the contractor. The Project Leader/Employers Agent shall not pre-select or fill in any of the alternatives available to the contractor.		
1.1 [1.1]	Contractor / Tenderer:		
	Postal address: _____ _____ _____ _____ Tel: _____ Fax: _____ Code: _____ Tax / VAT Registration No: _____ Physical address: _____ _____		
[1.2]			
2.0	SECURITIES		
2.1	The security provision selected is:		
2.1.1 [2.2]	Variable Construction Guarantee: <table border="1"><tr><td>NO</td><td>[Yes/No]</td></tr></table>	NO	[Yes/No]
NO	[Yes/No]		
2.1.2 [2.3, 13.9]	Retention: <table border="1"><tr><td>YES</td><td>[Yes/No]</td></tr></table>	YES	[Yes/No]
YES	[Yes/No]		
2.1.3 [2.7]	Advanced Payment is required. Where "Yes": <table border="1"><tr><td>NO</td><td>[Amount]</td></tr></table>	NO	[Amount]
NO	[Amount]		
	Note: Advance Payment Guarantee equal in value to above amount [2.1.3] is required from contractor.		
3.0	PAYMENT AND ADJUSTMENT OF PRELIMINARIES		
3.1 [14.3]	Payment of Preliminaries		
	The payment of preliminaries related to minor works shall be according to Option A only:		
3.1.1	Option A		
	Assessed by the principal agent as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the contract sum excluding:		
	<ul style="list-style-type: none"> The amount for preliminaries Any contingencies All inclusive of tax		
3.1.2	Option B (Not Applicable)		
3.2	Adjustment of Preliminaries		
	The amount or items of preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time and/or value have on preliminaries. Such an adjustment shall be based on the particulars provided by the contractor for this purpose in terms of Option A and shall preclude any further adjustment of preliminaries.		
	Adjustment of preliminaries in terms of Option A shall apply notwithstanding the actual employment of resources by the contractor in the execution of the works. The adjustment of preliminaries shall be based on the option as selected in the contractor's quote.		
	For the adjustment of the preliminaries both the contract sum and the contract value shall exclude:		
	<ul style="list-style-type: none"> The amount of preliminaries Any contingency sum All inclusive of tax		
3.2.1	Option A		
	The amount of preliminaries shall be adjusted in the following categories:		
	<ul style="list-style-type: none"> An amount which shall not be varied An amount which shall be varied in proportion to the contract value as compared with the contract sum An amount which shall be varied in proportion to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment of the contract value in terms of the agreement 		
	The contractor shall, within fifteen (15) working days of taking possession of the site, give the principal agent a breakdown, subdivided onto the above categories, of the amount for preliminaries in tabulated form, all to the satisfaction of the principal agent. Should the contractor fail to provide such information within the period stipulated then the amount for the preliminaries shall be deemed to be subdivided into the following proportions:		
	<ul style="list-style-type: none"> 10% (ten per cent) which amount shall not be varied 15% (fifteen per cent) which amount shall be varied in proportion to the contract value as compared with the contract sum 75% (seventy-five per cent) which amount shall be varied in proportion to the construction period as compared with the initial construction period 		
	For a lump sum document, should the contractor fail to identify the amount for preliminaries, then such an amount shall be deemed to be 7.5% (seven and a half per cent) of the contract sum excluding any contingency sum inclusive of tax.		

3.3	Payment certificate cash flow The contractor shall provide all reasonable assistance to the principal agent in the preparation of cash flow projections of claims for payment certificates where required by the employer. The projections shall be based on the programme and shall be updated as and when the programme requires updating. The cooperation of the contractor in terms of this item shall not prejudice his right to receive payment in terms of the agreement.																																		
3.4 [6.1.4]	Meetings at which contract minutes are recorded shall be held:	MONTHLY	[State Period]																																
3.5 [13.3]	Valuations date for payments shall be on:	18	Of the month																																
4.0 EMPLOYER CHANGES TO JBCC STANDARD DOCUMENTS																																			
4.1 [1.6]	Changes (if any) in terms of the Employer's Contract Data are accepted : YES [Yes/No] Where "Yes" an addendum referenced to this clause is to be attached should the space provided be insufficient. 1. See paragraph 5.3 above for clauses that are not applicable to this contract. 2. _____ 3. _____ 4. _____ _____ _____																																		
5.0 THE QUOTE																																			
5.1 [1.1]	The accepted contract sum inclusive of Value Added Tax is: R Amount in words: _____ _____ _____ _____																																		
6.0 SIGNATURES OF THE CONTRACTING PARTIES																																			
[20.0]	We the Employer and Contractor accept the above conditions and the offer in terms of 5.0 and hereby enter into a contract for the execution and completion of the works. This agreement is the entire contract between the parties regarding the matters addressed herein. No representation, term, condition, or warranties not contained in this agreement shall be binding on the parties. No agreement or addendum varying, adding to, deleting or terminating this agreement including this clause shall be effective unless reduced to writing and signed by the parties. Thus done and signed at.....onof.....200.... <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> </tr> <tr> <td>Name of signatory</td> <td>Capacity of signatory</td> <td>for and behalf of the Employer who by signature hereof warrants authorisation hereto</td> </tr> </table> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-top: 1px solid black;">as Witness (1)</td> <td style="width: 50%; border-top: 1px solid black;">as Witness (2)</td> </tr> <tr> <td>Name: _____</td> <td>Name: _____</td> </tr> <tr> <td>Address: _____</td> <td>Address: _____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table> Thus done and signed at.....onof.....200.... <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> <td style="width: 33%; border: 1px solid black; height: 20px;"></td> </tr> <tr> <td>Name of signatory</td> <td>Capacity of signatory</td> <td>for and behalf of the Contractor who by signature hereof warrants authorisation hereto</td> </tr> </table> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-top: 1px solid black;">as Witness (1)</td> <td style="width: 50%; border-top: 1px solid black;">as Witness (2)</td> </tr> <tr> <td>Name: _____</td> <td>Name: _____</td> </tr> <tr> <td>Address: _____</td> <td>Address: _____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table>						Name of signatory	Capacity of signatory	for and behalf of the Employer who by signature hereof warrants authorisation hereto	as Witness (1)	as Witness (2)	Name: _____	Name: _____	Address: _____	Address: _____	_____	_____	_____	_____				Name of signatory	Capacity of signatory	for and behalf of the Contractor who by signature hereof warrants authorisation hereto	as Witness (1)	as Witness (2)	Name: _____	Name: _____	Address: _____	Address: _____	_____	_____	_____	_____
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_____	_____																																		
_____	_____																																		

PART C2: PRICING DATA

Project title:	KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD04116	WIMS NO :	065425

C2.1 Pricing Instructions

The Bidder's prices must be provided in accordance with the scope of work i.e. the prices, rates and quantities to be included in the Pricing Schedule for the work described under several items. An item against which no price is entered will be considered to be covered by prices in the Pricing Schedule. Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")

The method of measurement herein will be the only method of measurement recognized in connection with this contract.

All equipment or materials used in this contract is to be that which is specified or other approved (other approved means where approval is given by the Head: Works prior to the close of the quotation).

The Pricing Schedule is to indicate VALUE ADDED TAX payable by the Employer separately in addition to the total Quoted prices. The Quotation Offer must indicate prices inclusive of VALUE ADDED TAX.

The Bidders obligation in pricing the Quotation offer and the Employer's undertakings in checking and corrections of arithmetical errors are indicated in the Annexure A - Standard Conditions of Quotation.

The Conditions of Contract referred to in this document must be understood and read by the Contractor and will be taken to apply at all times to the work which this Contract refers. The contractor must allow whatever price or costs he may consider necessary to provide for the carrying out and due observance of the aforesaid Conditions of Contract.

NAME OF INSTITUTION:

SISHOSONKE HIGH SCHOOL

SERVICE DESCRIPTION:

REPAIRS AND RENOVATIONS

WIMS NO:

065425

Bill 1:

Preliminaries and General

Item no.	Description	Unit	Qty	Rate	Amount
	<p>NOTE: Before pricing the document, the locality of the project must be taken into consideration including access and access roads to the project site</p>				
1.	Occupational Health and Safety Act No 58 of 1993. Tenders are allowed to allow for cost in providing a construction phase Safety , Health and Environment	Item			
2.	Allow for Labour Personal Protective Equipment (PPE's), Safe site barricading and other safety requirements measures on site.	Item			
3.	PLANT & EQUIPMENT				
	Supply of Plant and Equipment including scaffolding as necessary	Item			
4.	PORTABLE TOILET AND STOREROOM:				
	Supply and Maintenance of one (1) flushable portable toilet on site for the duration of the contract	No.	1		
5.	Supply and Maintenance of one (1) Storeroom on site for the duration of the contract.	No	1		
6.	WATER FOR THE WORKS				
	The contractor shall provide all water that is necessary for the completion of the Works at his/her own expense and shall not use any water from the institution or provincial building for the duration of the contract	Item			
	The contractor will make his/her own arrangements to provide water tanks, containers, drums, water carts, etc. as deemed necessary to satisfactorily complete the scope of work				
	Note: The water must be clean and suitable for building works				
Total Carried Forward to Page 3 of 3					

NAME OF INSTITUTION:

SISHOSONKE HIGH SCHOOL

SERVICE DESCRIPTION:

REPAIRS AND RENOVATIONS

WIMS NO:

065425

Bill 1:

Preliminaries and General

Item no.	Description	Unit	Qty	Rate	Amount
	<p>A Provincial Building or Institution shall mean any building owned by the Administration and any Board, Committee or Council, for which the Department undertakes work of any kind for which this contract is entered into.</p>				
7.	<p>ELECTRICAL LIGHTING AND POWER:</p> <p>The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of any portion of the Works, and provide electric power for any purpose required in connection with the Works, including for all electric light and power required by all Sub-Contractors and nominated Sub-Contractors.</p> <p>The Contractor shall give all notices and pay all fees in connection with temporary electrical connections and pay for all current consumed.</p>	Item			
8.	<p>LEAVE PERFECT:</p> <p>Allow for cleaning all glass, accumulated rubble, building material, etc. washing all floors and leaving the whole of the works and grounds in a thoroughly clean and perfect state fit for occupation at the completion of the Contract.</p> <p>Care must be taken not to use any cleaning materials which are likely to cause damage to the finished surface.</p>	Item			
Total Carried Forward to Summary Page 3 of 3					

SISHOSONKE HIGH SCHOOL

REPAIRS AND RENOVATIONS

065425

Preliminaries and General

Item no.	Description	Unit	Qty	Rate	Amount
Collection		Page No.		Amount	
		Page 1		R	
		Page 2		R	
Carried Forward to Final Summary Page 16 of 16				R	

NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:
Bill 2:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425
Alterations

Item no.	Description	Unit	Qty	Rate	Amount
	<u>ALTERATIONS</u>				
1.	<u>REMOVAL OF EXISTING DOORS, WINDOWS, ETC. FROM BRICKWORK</u> <u>Taking out and removing doors, windows etc. including thresholds sills, etc. from brickwork to remain:</u>				
1.1	Timber single door and frame not exceeding 2,5m ²	No	17		
1.2	Timber double door and frame exceeding 2, 5m ²	No.	1		
1.3	Carefully remove existing steel frames not exceeding 2.5m ²	No.	5		
2.	<u>BUILDING UP OPENINGS</u> <u>Bricwork Sundries:</u>				
2.1	Cut toothings for bonding new brickwork to existing. <u>Set up and built in steel windows and door frames in brickwork rehanging, window frames and door frames to be hot galvanised:</u>	M	70		
2.2	Door frames	No.	17		
2.3	Window frames	No.	5		
2.4	Double door frame	No.	1		
3.	<u>REMOVAL OF EXISTING CEILINGS, PARTITIONING AND FLOORING</u> <u>Taking down and removing ceiling, partitioning, flooring, etc.</u>				
3.1	Gypsum plasterboard or fibre cement ceiling including cornices and cover strips from brandering to remain, including preparing branders for new ceilings	M ²	100		
Total Brought Forward from Page 5 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:
Bill 2:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425
Alterations

Item no.	Description	Unit	Qty	Rate	Amount
Total Brought Forward from Page 4 of 16					
4.	<u>REMOVAL OF EXISTING GLAZING</u>				
	<u>Taking out and removing glass</u>				
4.1	Carefully remove glass from steel windows including cleaning rebats and preparing for receiving new glass	M ²	50		
5.	<u>PREPARATORY WORK TO EXISTING ROOF COVERING SURFACES</u>				
	<u>Clean existing roof covering using high pressure water cleaning system and steel brushes removing all loose paint, spawl and deleterious matters</u>				
5.1	Corrugated fibre cement roof sheeting	M ²	2412		
Total Brought Forward from Page 16 of 16					R



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 3:

WATERPROOFING

Item no.	Description	Unit	Qty	Rate	Amount
1.	<u>WATERPROOFING</u> <u>Sika Sealoflex or other approved flexible acrylic waterproofing system:</u>				
1.1	On roof	m ²	50		
Total Carried Forward to Summary Page 15 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
063034

Bill 4:

Carpentry and Joinery

Item no.	Description	Unit	Qty	Rate	Amount
	<u>CARPENTRY AND JOINERY</u>				
1.	<u>FRAMED DOORS, ETC.</u>				
	<u>Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames:</u>				
1.1	44mm Thick framed ledged and braced batten door, size 813 x 2032mm	No.	17		
1.2	44 mm Semi-solid flush panel double door with rebated meeting styles and with hardwood edge strips and commercial ply finish suitable for painting both sides, size 1613 X 2032mm	No.	1		
	<u>NOTE:</u> Bracing to be done by the door manufacturer and not by the contractor on site.				
2.	<u>Everite FC77 Pressed Fibre - Cement:</u>				
2.1	15 x 225mm Fascia boards including galvanized steel H – profile jointing strips	M	344		
2.2	80 X 275 Angle section barge boards including galvanized steel H - profile-jointing strips	M	120		
Total Carried forward to Summary Page 16 of 16					

NAME OF INSTITUTION:
SERVICE DESCRIPTION:
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SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425



Bill 5:

Ceilings

Item no.	Description	Unit	Qty	Rate	Amount
	<u>CEILINGS</u>				
1.	<u>NAILED UP CEILINGS</u>				
	<u>6.4 mm Thick Gypsum plasterboard ceilings with 9 x 45mm wrought meranti cover strips over joints</u>				
1.1	Ceiling including 50 x 50 mm sawn softwood banding at 450 mm centres in one direction and 900 mm in other direction along perimeter of wall	M ²	150		
2.	<u>CORNICES</u>				
	<u>Gypsum plasterboard cornices</u>				
2.1	75 mm Coved cornices mitred at corners, with splayed heading joints and bed in Rhinobed gypsum plaster and spiked to branders	M	50		
3.	<u>Trapdoors:</u>				
3.1	Extra over ceiling for 900 x 900mm trap door of 32 x 44mm wrought hardwood rebated framing and 38 x 114mm sawn softwood kerb spiked to rafters, etc., and filled in with matching ceiling board in opening	No.	4		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 6:

Ironmongery

Item no.	Description	Unit	Qty	Rate	Amount
1.	<u>LOCKS</u>				
1.1	Supply and fit 4 lever Dorma or similar approved double cylinder locks including chrome plated handles and with 3 keys	No.	20		
2.	<u>CATCHES, CABIN HOOKS, ETC.</u>				
2.1	Sliding Stay	No.	84		
2.2	Spring catches	No.	80		
3.	<u>HANDLES</u>				
3.1	Sash handles	No.	92		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 7:

Metalwork

Item no.	Description	Unit	Qty	Rate	Amount
	<u>METALWORK</u>				
	<u>NOTE:</u> THIS ITEM IS DESIGNATED FOR LOCAL CONTENT SPECIFIED 100%				
1.	<u>HOT DIP GALVANISED PRESSED STEEL DOOR FRAMES</u>				
	<u>1.2mm Double rebated frames suitable for half brick wall</u>				
1.1	Window frame type SS32, 978 x 987mm high	No.	5		
1.2	Door frames 813 x 2032mm high	No.	17		
1.3	Frame for double door 1613 x 2032mm high	No.	1		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
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SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
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Bill 8:

Plastering

Item no.	Description	Unit	Qty	Rate	Amount
	<u>PLASTERING</u>				
1.	<u>EXTERNAL PLASTER</u>				
	<u>On coat 3:1 cement plaster on brickwork</u>				
1.1	plaster bands around window frames and door frames	M ²	63		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 9:

Plumbing and Drainage

Item no.	Description	Unit	Qty	Rate	Amount
	<u>PLUMBING AND DRAINAGE</u>				
1.	<u>uPVC eaves gutters including brackets.</u>				
1.1	75 x 100 x 75 VHV eaves gutter	M	344		
1.2	Extra over 75 x 100 x 75 VHV eaves gutter for stopper end	No.	12		
2.	<u>uPVC: downpipes including holderbats.</u>	No.	8		
2.1	100 x 75mm rainwater pipe	M	20		
2.2	Extra over 100 x 75mm rainwater pipe for shoe	No.	12		
Total Carried forward to Summary Page 16 of 16					

NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425



Bill 10:

Glazing

Item no.	Description	Unit	Qty	Rate	Amount
	<u>GLAZING</u>				
1.	<u>GLAZING TO STEEL WITH PUTTY</u>				
	<u>4 mm Clear float glass:</u>				
1.1	Panes exceeding 0.1m ² and not exceeding 0.5m ²	M ²	50		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 11:

Paintwork

Item no.	Description	Unit	Qty	Rate	Amount
	<u>PAINTWORK</u>				
1.	<u>TO NEW CEILING</u> <u>Prepare and apply one coat alkali resistant plaster primer as SABS Specification 1416 and two finishing coats alkyd enamel paint as SABS Specification 630 Type 1 of high gloss designation on:</u>				
1.1	Plastered ceilings	M ²	100		
2.	<u>ON PREVIOUSLY PAINTED CEILING</u> <u>Clean down, etc, and apply two coats of intior acrylic emulsion paint as SABS Specification 1586 Grade 1 of Semi-glow designation on:</u>				
2.1	Gypsum plasterboard ceilings, coverstrips, cornices, etc, internally including priming and stopping up nail heads	M ²	583		
3.	<u>ON NEW FASCIA & BARGE BOARDS</u> <u>Prepare and apply one undercoat and two finishing coats pure acrylic emulsion roof paint as SABS specification 940 of matt designation on:</u>				
3.1	Fibre cement fascia and barge boards	M ²	60		
4.	<u>ON PREVIOUSLY PAINTED ROOF COVERING</u> <u>Prepare for and apply two coats Algae resistant Duram/ Dulux/ Plascon roof paints or similar approved roofing paints:</u>				
4.1	Profiled fibre cement roof sheets (measured flat)	M ²	2412		
5.	<u>ON NEW PLASTERED WALL</u> <u>Prepare for and apply two coats Dulux luxurious silk/ Plascon double velvet or similar approved internal wall paint:</u>				
5.1	Plastered walls externally	M ²	155		
Total Carried forward to Summary Page 15 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
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SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

Bill 11:

Paintwork

Item no.	Description	Unit	Qty	Rate	Amount
Total Brought Forward from Page 14 of 16					
6.	<u>ON NEW WOOD</u> <u>Prepare, prime with general-purpose wood primer as SABS Specification 679 Type 111 and apply one under coat as SABS Specification 681 Type 11, and two finishing coats of high gloss enamel paint as SABS Specification 630 Type on wood:</u>				
6.1	Doors	M ²	104		
7.	<u>ON NEW METAL</u> <u>Prepare and apply one coat of calcium plumbate prime as SABS Specification 912, one undercoat as SABS Specification 681 Typ II Specification 630 Type I on galvanised steel:</u>				
7.1	Door frames	M ²	150		
8.	<u>ON PREVIOUSLY PAINTED METAL</u> <u>Clean down etc., and apply one undercoat as SABS Specification 681 Type II, and one finishing coat of high gloss enamel paint as SABS Specification 630 Type I on existing enamel painted steel:</u>				
8.1	Steel poles	M ²	25		
Total Carried forward to Summary Page 16 of 16					



NAME OF INSTITUTION:
SERVICE DESCRIPTION:
WIMS NO:

SISHOSONKE HIGH SCHOOL
REPAIRS AND RENOVATIONS
065425

FINAL SUMMARY

Bill No.	DESCRIPTION	PAGE NO.	AMOUNT
	<u>FINAL SUMMARY</u>		
	Total brought forward from the following :		
BILL 1	Preliminaries and General	Page 3 of 16	
BILL 2	Alterations	Page 5 of 16	
BILL 3	Waterproofing	Page 6 of 16	
BILL 4	Capentry & Joinery	Page 7 of 16	
BILL 5	Ceilings	Page 8 of 16	
BILL 6	Ironmongery	Page 9 of 16	
BILL 7	Metalwork	Page 10 of 16	
BILL 8	Pastering	Page 11 of 16	
BILL 9	Plumbing and Drainage	Page 12 of 16	
BILL 10	Glazing	Page 13 of 16	
BILL 11	Paintwork	Page 15 of 16	
	<u>NOTE:</u> 1. Unit prices to include labour, material and transport, etc. 2. Leave site neat and tidy and make good to disturbed work in respect of every trade. 3. The Contractor to ensure that the Health and Safety Regulations are carried out at all times until the completion of the service. 4. Items are re-measurable on completion and priced units will be adjusted accordingly 5. Local content Declaration: SBD6.2 The obligation to complete, duly sign and submit the declaration cannot be transferred to an external authorized representative, auditor and any other party acting on behalf of the bidder.		
Sub-Total			R
15% Vat			R
TOTAL AMOUNT			R

PART C3.1: SCOPE OF WORKS

Project title:	SISHOSONKE HIGH SCHOOL: REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD 04116 W	Project Code:	065425

C3.1 - SCOPE OF WORKS

1. DESCRIPTION OF THE WORKS

Repairs and renovations.

2. EXTENT OF THE WORKS

There are broken doors, broken windows and broken ceilings that need to be replaced. The roof is leaking and need to be cleaned and painted. Gutters and fascia boards need to be replaced.

3. LOCATION OF THE WORKS

The project is located at Sishosonke High School, KwaZulu Natal, Durban, The name of the road is 40 Simelane Dr and Kekana Avenue, Umlazi, 4066. (Contact details : 031-909 1900)

4. CERTIFICATION BY RECOGNIZED BODIES

Use of materials that are SABS approved.

The JBCC Contract will be used and ensure adherence to National building regulations (NBR) and all applicable compliance certificates e.g. Certificate Of Compliance (COC) in respect of Electrical works.

5. SERVICES TO BE PROVIDED

To provide and distribute water, electricity, tools and communication systems on site.

To provide own sanitation.

To maintain a safe environment and continuously clear and dispose of all waste and surplus material

On completion of the project, clean up and make good to all disturbed items and leave the employer's facilities in a clean and tidy state.

6. UNAUTHORISED PERSONS

The contractor shall keep away all unauthorized persons from the works at all times.

Under no circumstances may any person except guards be allowed to remain or sleep on the building site overnight.

7. ELECTRONIC PAYMENTS

Once a contractor is awarded the contractor must complete a WIMS Registration Form and a financial detail certificate from the Department. This form must be submitted together with a cancelled cheque or a certified bank statement and a certified copy of the ID of the person who signed the financial detail certificate.

8. DAILY RECORDS

Attendance Register;
Site instruction Book;
EPWP Data form for local labour statistics; and
Forman on Site

9. PAYMENT CERTIFICATES

Contractors must ensure that they submit their tax clearance Pin Certificates (SBD 4, 8 & 9)
They must submit their original/originally certified copy of BBBEE/Affidavit
They must also ensure that they submit their Tax Invoice with their claims to ensue timeous payments

10. PERMITS

Contractor's staff must have name tags or any kind of identification
Visitors must have entrance permits
Everyone on site to wear the necessary protective clothing at all times

11. PROOF OF COMPLIANCE WITH THE LAW

Compliance certificate issued by the Department of Labour

Project Employment Data Management and Reporting Requirements – to be included in the tender documents for the Department of Public Works

NB: All information, documents and files stated herein must be available for Auditor

No.	Information / Document	Comments
1	Monthly Reports	
1.1	<p>Monthly reports to be submitted in the specified Employment Data Collection Form</p> <ul style="list-style-type: none"> This is a monthly schedule where monthly attendance, training and other aspects of participants (labourers) is summarised. The Employment Data Collection Form must provide credible data that corresponds with the Payroll Register and Proof of payment. 	
1.2	<p>Payroll Register</p> <ul style="list-style-type: none"> Which is a list of each participant (labourer) who was paid for each month and which would include the amount of the wage paid. 	
1.3	<p>Proof of payment</p> <ul style="list-style-type: none"> Which is a download from the payment system or a bank statement reflecting all participants paid and the amounts paid 	
1.4	<p>Payment Register/Pay sheet signed by workers</p> <ul style="list-style-type: none"> Where proof of payment is not available, a payment register must be submitted. This is a schedule where participants sign as an acknowledgement of receipt of wages for the number of days worked at a stipulated daily rate. . 	
1.5	<p>ID size photos</p> <ul style="list-style-type: none"> Every participant must have an ID size photo taken within the first month of employment and photo to be supplied to the Department. 	



EXPANDED PUBLIC WORKS PROGRAMME
Creating opportunities towards human fulfillment

No.	Information / Document	Comments
2	Records to be filed and updated monthly on site	
2.1	Identity Document (ID) copies <ul style="list-style-type: none"> • Every new (at the beginning of employment) participant to provide a certified South African ID copy that is not older than 3 months 	
2.2	Daily attendance register showing full name and gender (To correspond with Proof of payment and payroll register and monthly report in the Data Collection Form)	
2.3	Employment Contracts indicating date signed by both the employer and the employee and witnesses if applicable	
2.4	Payslips for all payments made to participants indicating the number of days worked	
2.5	Document where beneficiaries completed / provided their bank account details	
2.6	Completed Beneficiary/participants list-simplified form	
2.7	Project coordinates	
2.8	Project progress report	
3	Training	
3.1	Training attendance registers for ALL training attended by participants Number of training days and Training should be reported as follows; <ol style="list-style-type: none"> 1. Number of people trained 2. Number of people that received accredited training 3. Number of people that received non-accredited training 4. Profile of the participants (Women, Disabled, Youth) 5. Percentage of participants who worked on the project after receiving training. 	As and when training is provided
4	UIF	
4.1	Evidence to confirm that UIF for participants has been paid for the employment duration	



EXPANDED PUBLIC WORKS PROGRAMME
Creating opportunities towards economic development

No.	Information / Document	Comments
5	COIDA	
	<p>Evidence that the participants of the project are included in the Employers monthly provisions for COIDA.</p> <ul style="list-style-type: none">• Evidence that the Employer paid the relevant contributions as required by the Compensation Commissioner.	

PART C4.1: SITE INFORMATION

Project title:	SISHOSONKE HIGH SCHOOL: REPAIRS AND RENOVATIONS		
Quotation no:	ZNTD 04116 W	Project Code:	65425

C4.1 - Site Information

Bidders are advised to visit the site before pricing in order to satisfy themselves as to the nature and full extent of the work to be done and the conditions generally affecting the execution of the contract. Claims on the grounds of lack of knowledge in such respects or otherwise will not be entertained.

GENERAL

- (a) There are broken doors, broken windows and broken ceilings that need to be replaced. The roof is leaking and need to be cleaned and painted. Gutters and fascia boards need to be replaced.

- (b) The project is located at Sishosonke High School, KwaZulu Natal, Durban, The name of the road is 40 Simelane Dr and Kekana Avenue, Umlazi, 4066. (Contact details : 031-909 1900)

C4.2 - Geotechnical Investigation Report

Since this is an existing building, there is no geotechnical investigation report required.



MODEL PREAMBLES FOR TRADES 2008

*forming part of
the bills of quantities*

Project: KZN:DEPT OF EDUCATION : ETHEKWINI DISTRICT :
: UMLAZI : SISHOSONKE HIGH SCHOOL :
REPAIRS AND RENOVATIONS

Contract Reference Number: 065425

EXPLANATORY NOTES AND INSTRUCTIONS ON THE USE OF THESE MODEL PREAMBLES

1. The document

- 1.1 This document is published by and is available from the Association of South African Quantity Surveyors, P.O. Box 3527, Halfway House, 1685. Telephone (011) 315 4140. E-mail: administration@asaqs.co.za
- 1.2 The contents of this document are intended to cover workmanship and materials encountered in a significant majority of projects. If a material is not encountered in a significant majority of projects, its preamble will in all likelihood not be included in this document
- 1.3 By its very nature, this document is a "Model" document and one that is designed to act as a basis upon which to build. It is anticipated that it will be supplemented by a "Supplementary Preambles" document included in the text of the bills of quantities that will include, *inter alia*, the following:
 - 1.3.1 supplementary clauses of a general nature that practitioners may deem necessary to cover their own individual requirements,
 - 1.3.2 additional clauses pertaining to specific materials incorporated in a project and not covered by the Model Preambles,
 - 1.3.3 amendments to anything contained in the Model Preambles. A clause has been incorporated in the "General" section of the document stipulating that anything contained in the "Supplementary Preambles" which is at variance to that which is contained in the Model Preambles, will take precedence over the Model Preambles and apply to the works in hand
- 1.4 It is intended that this document will be used by reference only in the text of the bills of quantities and will NOT be bound or reproduced therein

2. The basic philosophy

- 2.1 Wherever possible, reference has been made throughout the preambles to South African National Standards (SANS) to describe materials and methods respectively. It is therefore incumbent on the users of these preambles to have ready access to the relevant Specifications and Codes. Where such Specifications or Codes do not exist, suitable preambles have been compiled
- 2.2 These preambles have been designed to assist in abbreviating descriptions in the text of the bills of quantities and practitioners are encouraged to make use of this facility. e.g. The description of a stormwater catchpit would read:

"Brick stormwater catchpit size internally 600 x 400 x 1 200mm deep to invert fitted with and including a 450 x 300mm x 59kg cast iron grating and frame"
- 2.3 Wherever alternatives exist in respect of materials or workmanship, specific choices have been made in these preambles. Should users require different choices to specific items, these should be referred to in the Supplementary Preambles as outlined in clause 1.3

3. Additional notes in the use of these Model Preambles

3.1 Concrete, Formwork and Reinforcement

The Project Specification embodied in these preambles was compiled in collaboration with the Authors of SANS 1200G, which forms the basis for the Concrete, Formwork and Reinforcement model preambles

Users of these preambles are advised to submit a copy of the Model Preambles to the Engineers involved in a project for their scrutiny. Any amplifications, amendments, etc required by individual Engineers would then be incorporated in the Supplementary Preambles referred to in item 1.3

3.2 Roof Coverings

The roof coverings included in these Model Preambles are limited in their content and therefore any roofing material not included in these Preambles will need to have its full preamble included in the Supplementary Preambles

3.3 Structural Steelwork

The comments made under item 3.1 apply equally to Structural Steelwork

Note that the protective treatment of the structural steel covers only the treatment up to and including the primer (and patching after erection). The finishing coats of paint must be fully described and included either in the "Structural Steelwork" or in the "Paintwork" trade, as the practitioner wishes

MODEL PREAMBLES FOR TRADES

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A. GENERAL

A.1 APPLICATION OF CLAUSES

These Model Preambles for Trades, and any Supplementary Preambles, shall be read in conjunction with and shall form part of the descriptions of items in the bills of quantities

Where descriptions or Supplementary Preambles in the bills of quantities differ from these Model Preambles for Trades, the descriptions or Supplementary Preambles in the bills of quantities shall take precedence. Where supplementary preambles differ from descriptions in the bills of quantities, the descriptions in the bills of quantities shall take precedence

Except where otherwise stated, all preambles contained in any individual Trade Preamble shall apply equally to any work of a similar nature in all other trades

A.2 ABBREVIATIONS

The following abbreviations shall apply:

AASHTO	–	American Association of State Highway and Transportation Officials
AISI	–	American Institute of Steel Industries
BS	–	British Standard
CKS	–	Coordinating Specifications issued by the Central Coordinating Committee under the auspices of the South African Bureau of Standards
CSIR	–	Council for Scientific and Industrial Research
SANS	–	South African National Standards and the number following shall refer to the relevant specification or code of practice as the case may be

A.3 MATERIALS AND WORKMANSHIP

Materials and workmanship shall be the best of their respective kinds. Only new and undamaged materials shall be used in the Works. Materials to be permanently installed into the works shall not be used for any temporary purposes on site. Work shall be to the approval of the Principal Agent and shall be executed in accordance with the relevant manufacturer's written recommendations and instructions where applicable

A.4 PROPRIETARY PRODUCTS

For the purposes of submission of tenders, rates for items described in the bills of quantities by trade names, catalogue references, etc shall be for the particular type and manufacture specified

The approval of the Principal Agent shall be obtained prior to any substitution and where products or materials etc other than those specified are used, adjustments in the rates will be made if necessary

A.5 ASSEMBLING

Rates for manufactured items shall include assembling complete and handing over in proper working order

A.6 REFERENCES IN DESCRIPTIONS

Any references given in brackets at the end of certain descriptions shall refer to the relevant references on the drawings or schedules

A.7 WATER

Water shall be clean and free from injurious amounts of acids, alkalis, organic matter and other substances and shall be suitable for its intended use

A.8 APPLICATION OF THE NATIONAL BUILDING REGULATIONS

All work shall be executed in accordance with the requirements of SANS 10400

A.9 ACCURACY IN BUILDINGS

The dimensional and positional accuracy of the buildings and their component parts shall comply with Grade II requirements of SANS 10155 unless otherwise stated

A.10 REFERENCES TO OTHER DOCUMENTS

References in these "Model Preambles for Trades" to other documents, including SANS, CKS and BS, shall pertain to the latest edition thereof including all amendments thereto at the date for submission of the tender

B. ALTERATIONS

B.1 ALTERATIONS

In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to remaining portions of the building. The Contractor shall ensure the stability of all structures during alteration work

Special care shall be exercised during the progress of the work to ensure that any electrical installations, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary

The Contractor shall take all precautions necessary to prevent any nuisance from dust whilst carrying out the work

B.2 MATERIALS FROM THE ALTERATIONS, CREDIT, ETC

Materials recovered from the alterations (except where described as to be re-used or to be handed over to the Employer) will become the property of the Contractor, who may allow credit in respect thereof where provided for in the bills of quantities. Such materials shall not be re-used in new work without written permission from the Principal Agent

Materials described as "removed" shall be removed from the site immediately.

Materials described as "handed over to the Employer" shall be carefully dismantled where necessary, neatly stored under cover on the site where directed and protected from damage, until required

Materials described as "set aside for re-use" shall be carefully dismantled where necessary, cleaned, neatly stored under cover and protected from damage until required for re-use. Any damage caused to such materials during removal, storage or refixing shall be made good at the Contractor's expense

B.3 DISPOSAL OF DEBRIS ETC

The Contractor shall be responsible for the removal from the site of all materials, debris and rubbish resulting from the alterations

B.4 MAKING GOOD DAMAGED WORK

The Contractor shall make good in all trades to existing work where damaged or disturbed through the alterations with all necessary new materials to match the existing

B.5 FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS

Where new openings are formed or openings altered in existing walls, the wall above the opening shall be broken out and a new brick, in situ concrete or prestressed concrete lintel inserted, complete with all necessary reinforcement, formwork, turning piece, etc, the jambs and portions of openings as described shall be built up with new brickwork or blockwork properly toothed and bonded to existing, cavities of hollow walls shall be closed where necessary and finishes shall be made good all round and into reveals

B.6 BUILDING UP OPENINGS

Where existing openings are given in number as built up, the existing surfaces all round shall be prepared as necessary, brickwork or blockwork properly toothed and bonded to existing, wedged up to underside of existing lintel and finishes shall be made good on both sides

C. EARTHWORKS

C.1 DEMOLITIONS

C.1.1 Nature and extent

Descriptions of demolitions give a rough guide only as to the scope of the work. Tenderers are therefore advised to visit the site before submitting a tender and to acquaint themselves with the nature and extent of the work to be done and the value of recoverable materials which are not to be re-used or handed over to the Employer. Unless otherwise stated, loose furniture, kitchen and other equipment, apparatus, machinery, etc shall remain the property of the Employer and the removal thereof does not fall within the scope of this Contract

The Contractor shall completely demolish the buildings etc in a careful, skilful, practical and safe manner down to 150mm below ground level

Demolitions shall include breaking up and removing:

all floors and surface beds;

all external screen walls, steps, ramps, aprons, surface water channels, rainwater sumps, gulleys, etc attached to the building to be demolished;

all services, manholes, etc in ground to a point not less than 1m beyond the perimeter of the building including plugging off ends of all remaining pipes, drains, etc, filling in holes where necessary and ramming and levelling to ground level

Where only a portion of a building is to be demolished, it shall be done without damage to the remaining portion of the building. Any such damage shall be made good by the Contractor at his own expense

C.1.2 Notices etc

The Contractor shall, before commencing work, obtain all necessary authorisation for carrying out the work, by whatever means including the use of pneumatic equipment or blasting, give all necessary notices and pay all charges and fees in connection therewith. He shall also comply with all regulations pertaining to rodent extermination and he shall obtain the requisite Rodent Extermination Clearance Certificate and pay all necessary fees. All receipts and certificates shall be left in the safekeeping of the Principal Agent. All the abovementioned charges and fees shall be paid by the Contractor and included in his prices

The Contractor shall give ample notice to the Principal Agent and Local Authorities regarding any disconnections necessary prior to the removal or interruption of electrical or telephone cables, water and sanitary services etc

C.1.3 Loss

After the handing over of the site to the Contractor, the full risk of any loss or damage to buildings to be demolished shall be the responsibility of the Contractor and he shall take such precautions as he deems necessary against such loss or damage

C.1.4 Materials from the demolitions, credit, etc

Materials recovered from the demolitions will become the property of the Contractor, who may allow credit in respect thereof where provided for in the bills of quantities. Such materials shall not be re-used in any new work without written permission from the Principal Agent

C.1.5 Disposal of debris etc

The Contractor shall be responsible for the removal from the site of all materials, rubble, debris and rubbish resulting from the demolitions

C.2 SOIL INSECTICIDES

The application of soil insecticides shall be carried out in accordance with "The application of soil insecticides for the protection of buildings" - SANS 10124

C.3 FILLING ETC

C.3.1 Filling generally

Filling over site shall be spread, levelled, watered and consolidated in layers not exceeding 300mm

Filling under floors and backfilling to excavations shall be suitable inert material, free from clay, vegetable matter, large stones, etc, having a maximum plasticity index of 10, spread, levelled and compacted to a density of at least 90% Mod. AASHTO

C.3.2 Hardcore

Hardcore shall be broken stone or other approved hard material graded from 25mm to 75mm with the finer material on top and shall be spread, levelled and consolidated

C.4 EXCAVATIONS

C.4.1 Classification of excavated material

"Hard rock" shall mean granite, quartzitic sandstone or other rock of similar hardness, the removal of which requires drilling, wedging and splitting or the use of explosives

"Soft rock" shall mean hard material the removal of which warrants the use of pneumatic tools and includes hard shale, ferricite, compact oukclip and material of similar hardness

"Earth" shall mean all ground other than that classified as "hard rock" or "soft rock" and shall include made-up ground and any loose stones or pieces of concrete not exceeding 0,03m³ in volume

D. CONCRETE, FORMWORK AND REINFORCEMENT

D.1 SPECIFICATION FOR CONCRETE WORK GENERALLY

All in situ concrete work (plain and reinforced) shall comply with SANS 1200G supplemented by the following Project Specification. Where SANS 1200G and the Project Specification are in conflict, the Project Specification shall take precedence

Wherever the term "Engineer" appears in SANS 1200G or in the following Project Specification this shall be deemed to mean the Principal Agent's representative responsible for this section of the Works

PROJECT SPECIFICATION

The following amplifications, additions and amendments to SANS 1200G shall constitute the Project Specification. Clause numbers refer to either the existing clauses in SANS 1200G or to new clauses, which are related to the existing clauses

1. SCOPE

This clause is amended to include:

- 1.1 This specification does not cover the methods by which the finished structure is to be measured for the purpose of payment and the "Standard System of Measuring Building Work" shall apply

2. INTERPRETATIONS

2.1 SUPPORTING SPECIFICATIONS

Clause 2.1(b) shall not apply

2.2 APPLICATION

This clause shall not apply

4. PLANT

4.5 FORMWORK

4.5.2 Finish

Unless otherwise stated the quality of all formwork shall be such that the finished surface of the concrete is "Rough" in terms of clause 5.2.1(a)

5. CONSTRUCTION

5.2 FORMWORK

5.2.1 Classification of Finishes

- (a) **Rough.** No treatment of the surface of the concrete will be required after the striking of the formwork. The finish of the concrete need not be more accurate than Degree of Accuracy III
- (b) **Smooth.** Imperfections such as small fins, bulges, irregularities, surface honeycombing and surface discolorations shall be made good and repaired by approved methods. The finish of the concrete shall be accurate to Degree of Accuracy II
- (c) **Special**
- (i) **Smooth and fair**

This class of finish requires the highest standard of concrete work, formwork, accuracy and technique

Concrete placed in any one structure to give this finish shall be made from cement and aggregates from the same source. The grading of the aggregate shall be kept constant

Formwork shall be metal, wrot timber or other approved material in new condition designed and constructed to suit the particular job in hand and with shutter bolts and joints between panels in a regular pattern approved by the Principal Agent. Joints between panels shall be watertight, but the use of sealing tape which will mark the concrete shall not be permitted

Designated joints shall be in the position and of the details shown upon the working drawings. Should the Contractor wish to incorporate further construction joints or amend the position of those shown to suit his own requirements or technique, this may be allowed provided that all design considerations are met, that the prior approval of the Engineer is obtained and that any extra costs are borne by the Contractor

In the case of horizontal construction joints, the top edge of the concrete on the smooth and fair finished side shall be struck true and level with a trowel

Special care shall be taken to ensure that forms are clean and free of all pieces of tying wire, nails and other debris at the time of concreting

The standard of finish shall be such that upon removal of the formwork, no further treatment, other than treatment of bolt holes if required, shall be found necessary to provide a straight, smooth and uniform finish of good quality and consistent colour and texture, free of all honeycombing etc. Any defect shall be made good by either removing and replacing the defective concrete or, in certain instances only, by patching

5.5 CONCRETE

5.5.1.6 Prescribed mix concrete

Where prescribed mix concrete is specified the proportions of constituents, the maximum size of coarse aggregate and the estimated minimum compressive strength shall be as specified in the following table:

Class of Concrete	Estimated minimum compressive strength in MPa at 28 days	Maximum nominal size of coarse aggregate in mm	Proportions of Constituents		
			Cement (Parts)	Fine aggregate (Parts)	Coarse aggregate (Parts)
A	7	37,5	1	4	8
B	15	19	1	3	5
C	20	19	1	2,5	3,5

Cement shall comply with SANS 50917-1 of strength 32,5N or higher

Should cement and aggregates be mixed by volume, the contents of a 50kg sack of cement shall be taken to be 0,033m³

Notwithstanding the requirements contained in SANS 1200G, the Principal Agent may permit certain items of non-structural concrete to be mixed by hand

If the concrete is mixed by hand, it shall first be mixed in a dry state on a clean non-absorbent surface until it is of uniform colour and consistency. Just enough water shall then be added to permit mixing and working, at which stage the concrete shall continue to be mixed until it is of uniform colour and consistency

5.5.1.7 Strength concrete

Where strength concrete is specified it shall be designated by its specified strength followed by the size of stone used in its manufacture, eg 30 MPa/19mm

The water/cement ratio shall be as Table 5 of clause 5.5.1.5 for moderate exposure conditions

5.5.1.8 "No-Fines" concrete

"No-fines" concrete shall consist of one part cement to eight parts aggregate graded from minimum 6mm to maximum 13mm size

The quantity of water used shall be just sufficient to form a smooth grout which shall completely coat every particle of aggregate and also to ensure that the grout is just wet enough to form a small fillet at each point of contact between the stones. "No-fines" concrete mixed with excessive water, which results in a thin grout, which drops off the aggregate, will be rejected

"No-fines" concrete shall be placed in its final position within 20 minutes of mixing and shall be placed in continuous horizontal layers. Concrete shall be spade worked sufficiently to ensure that it fills the forms but vibrating, tamping or ramming will not be permitted

5.5.3.2 Ready-mixed concrete

The use of ready-mixed concrete and the acceptability of test results from a central concrete production facility shall be subject to the written approval of the Engineer

6. TOLERANCES

Degree of Accuracy II shall apply for all work unless otherwise stated

7. TESTS

7.1 FACILITIES AND FREQUENCY OF SAMPLING

7.1.2 Frequency of sampling

7.1.2.5 The frequency of sampling shall be as directed by the Engineer, but not less than one set of cubes from every 50m³ cast

8. MEASUREMENT AND PAYMENT

This clause shall not apply

D.2 AGGREGATES OF LOW DENSITY

Aggregates of low density shall comply with SANS 794

D.3 HOLLOW BLOCKS, PREFABRICATED BLOCK BEAMS AND PLANKS, ETC

Blocks, block beams, planks, etc shall be fixed and supported in such a manner that no movement can take place before or during the casting of concrete. No broken components shall be used

D.4 SUPERVISION

A competent and experienced foreman shall superintend personally the whole of the concrete construction and pay special attention to:

- (a) The quality, testing and mixing of materials,
- (b) The placing and compaction of concrete,
- (c) The construction and removal of formwork and
- (d) The sizes and position of reinforcement

The Contractor shall obtain the permission of the Principal Agent before commencing concreting of foundations or reinforced structure

No inspection, approval, authorisation to proceed, comment or instructions following from such an inspection, or failure of the Principal Agent to comment on any particular aspect of the work, shall be deemed to relieve the Contractor in any way from his obligation to ensure through his own supervision that the work is constructed in every way in accordance with the Drawings, Specification and Conditions of Contract, nor relieve him from his obligations to make good any fault or defect, nor shall it be deemed that there is any obligation on the Principal Agent to inspect all or any part of the Works or that such inspection is necessarily complete in every respect

D.5 GENERAL

Concrete

Rates for concrete work shall include all "construction joints" other than "designated joints" as defined in SANS 1200G clause 2.4.3 which are measured separately, and for the design of strength concrete mixes and all testing of concrete and materials other than compressive strength testing of concrete samples taken from concrete being placed in the Works. The Contractor shall only be entitled to payment for those samples and compressive strength tests called for by the Engineer and which pass the test requirements

Surface beds cast in panels shall be cast in panels approximately 9m²

Formwork

Formwork to slabs and beams shall be cambered where required

Rates for formwork to soffits shall include propping not exceeding 3,5m high unless otherwise described.

Formwork to walls and columns is not exceeding 3,5m high above bearing level unless otherwise described

Reinforcement

Standard welded steel fabric reinforcement shall be as included in Table 1 of SANS 1024 and shall have 300mm wide laps.

The mass of binding wire is not included in the mass of the reinforcement and the cost thereof shall be included in the rates for the reinforcement

E. PRECAST CONCRETE

E.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Precast concrete paving slabs

SANS 541

Cement, water, aggregates and reinforcement shall be as described under D. CONCRETE, FORMWORK AND REINFORCEMENT

E.2 CONCRETE

Concrete shall be as described under D. CONCRETE, FORMWORK AND REINFORCEMENT and unless otherwise stated shall be prescribed mix concrete Class C but with coarse aggregate of an appropriate size

E.3 MOULDS

Before each casting, moulds shall be coated with a suitable release agent which will not in any way discolour the surface of the finished product or impair its strength. Where items are described as "finished smooth from the mould" or as "precast terrazzo", moulds shall be made to a high degree of accuracy and shall be such as to leave even and smooth surfaces

E.4 FINISHES TO BLOCKS

Where described as "precast terrazzo", such surfaces shall have a facing of terrazzo described under O. PLASTERING. The facing shall be poured into the moulds in a wet state (not dry pressed) and thoroughly worked up against finished faces to ensure that it finishes smooth from the mould

Projections shall be rubbed off and faces shall be of even colour and free from blemishes, cracks and other imperfections. Salient angles shall be arris rounded

E.5 CASTING ETC

Items shall be suitably cured, shall not be handled whilst still green and shall not be built in within 21 days of casting

E.6 REINFORCEMENT

Unspecified reinforcement required for manufacturing, handling and erection purposes and for reinforcing projecting and other unwieldy portions of blocks shall be provided by the Contractor at his discretion

E.7 BEDDING, JOINTING AND POINTING

Blocks shall be bedded and jointed solidly in Class I mortar as described under F. MASONRY and shall be pointed with slightly keyed joints

Blocks finished with "precast terrazzo" shall have joints raked out and pointed with slightly keyed joints in tinted waterproofed mortar composed of one part cement and three parts sand to match terrazzo facing

E.8 GENERAL

Precast concrete work shall include reinforcement required for manufacturing, handling and erection purposes, steel rod or wire hooks and/or mortices for lewis bolts required for handling and transporting, any necessary temporary propping and strutting and bedding, jointing and pointing

F. MASONRY

F.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Burnt clay masonry units	SANS 227
Limes for use in building	SANS 523 {Slaked (hydrated) limes}
Aggregates from natural sources – fine aggregates for plaster and mortar	SANS 1090
Concrete masonry units	SANS 1215
Prestressed concrete lintels	SANS 1504
Burnt clay paving units	SANS 1575
Metal ties for cavity walls	SANS 28
Common cement	SANS 50197-1 (Class 32,5N)
Masonry cement	SANS 50413-1 (Class 22,5X)
Concrete masonry construction	SANS 10145
The structural use of masonry	SANS 10164-1
Masonry walling	SANS 10249
Concrete floors	SANS 10109-1&2

F.2 SAND

Sand shall be washed where necessary and screened through a 2,4mm mesh sieve

F.3 BURNT CLAY BRICKS

Burnt clay bricks shall be of nominal size 222 x 106 x 73mm unless otherwise stated

Common bricks shall be General Purpose bricks

Extra hard burnt bricks shall be General Purpose (Special) bricks

Facing bricks shall exhibit a liability to efflorescence not in excess of "Slight" and water absorption when tested in conformity with the requirements of SANS 227 shall not exceed 14%

Particular care shall be taken to preserve arrisses and faces of facing and paving bricks during transit and handling

F.4 CONCRETE BRICKS

Concrete bricks shall have a nominal compressive strength of 8 MPa

F.5 QUARRY TILES ETC

Quarry, cement and similar tiles shall be of approved manufacture, even in shape and size, free from cracks, twists or blemishes and uniform in colour

F.6 WIRE TIES

Wire ties shall be of galvanized steel of the single wire type for solid walls and either the "Butterfly" or Modified PWD type for hollow walls. Ties shall be of sufficient length to allow not less than 75mm of each end to be built into brickwork or embedded in concrete

F.7 BRICKWORK REINFORCEMENT

Brickwork reinforcement shall be manufactured from hard drawn steel wire conforming to BS 785 and shall consist of two 2,8mm diameter main wires with 2,5mm diameter cross wires at 300mm centres welded at intersections

Brickwork reinforcement shall be lapped not less than 300mm at end joints and for a length equal to the width of the widest reinforcement at intersections

F.8 MORTAR

Mortar shall comply with the following table:

1	2	3	4
Mortar Class	Minimum compressive strength MPa	Cement:sand (common cement)	Cement:sand (masonry cement)
I	10	1:4 or 50kg to 130 litres	1:3 or 50kg to 100 litres
II	5	1:6 or 50kg to 200 litres	1:5 or 50kg to 170 litres
III	1,5	1:9 or 50kg to 300 litres	1:6 or 50kg to 200 litres

Mortar shall be Class II unless otherwise specified

Mortar plasticizers may only be used with the approval of the Principal Agent

The materials shall be mixed dry until of uniform colour, water added and the mixture turned over until the ingredients are thoroughly incorporated

Mortar shall be produced in such quantities as can be used before commencement of set and no mortar that has set shall be used

F.9 COMPO MORTAR

Compo mortar shall be Class III mortar in accordance with clause F.8 but with a lime content of 80 litres

The lime and sand shall be mixed dry until of uniform colour, water added and the mixture turned over until the ingredients are thoroughly incorporated. Immediately before use, the cement shall be mixed in and the requisite amount of water added. Compo mortar shall be produced in such quantities as can be used before commencement of set and no compo mortar that has set shall be used

F.10 BRICKWORK

Wherever practicable, brickwork shall be built in stretcher bond. Unless legitimately required to form bond, no false headers shall be used. English bond shall only be used where specifically so indicated or where stretcher bond is not practicable

Brickwork, unless otherwise described, shall be built in Class II mortar

Bricks shall be laid on a solid bed of mortar and all joints shall be grouted up solid

The brickwork shall be carried up in a uniform manner, no part being raised more than 1,2m above adjoining work

Where necessary, bricks shall be wetted before being laid and the course of bricks last laid shall be well wetted before laying a fresh course upon it

Walls in thicknesses of more than one skin shall have at least five wire ties per square metre. Linings to concrete, unless otherwise specified, shall be tied to the concrete with at least five wire ties per square metre

Hollow walls, unless otherwise specified, shall be built of two half brick skins with cavity between, tied together with at least five wire ties per square metre. The cavities shall be kept free of all rubbish, mortar droppings and projecting mortar. Mortar joints to brickwork shall be not less than 8mm or more than 12mm thick

F.11 BLOCKWORK

Unless otherwise described, all blockwork shall be built in stretcher bond. Whole blocks shall be used except where bats or closers are required to form bond. Blockwork, unless otherwise described, shall be built in Class II mortar

Solid blocks shall be laid on a solid bed of mortar and all joints shall be grouted up solid

Hollow blocks shall be laid in shell bedding, ie only the inner and outer shells of the blocks shall be covered with mortar. Vertical joints shall be similarly formed

The blockwork shall be carried up in a uniform manner, no part being raised more than 1,2m above adjoining work

Clay blocks shall be wetted before being laid and the course of blocks last laid shall be well wetted before laying a fresh course upon it

F.12 CENTRES AND TURNING PIECES

Centres and turning pieces to soffits of arches and lintels shall be left in position for not less than 14 days

F.13 FACE BRICKWORK

Face brickwork shall be built in stretcher bond, unless otherwise specified, to a true and fair face. Perpendes shall be vertically aligned

Facing bricks shall be mixed to ensure that the proper blending of bricks within the colour range of each facing brick being used is obtained

F.14 PAVINGS, SILLS, COPINGS, ETC

Clay bricks and tiles shall be wetted before fixing and shall be solidly bedded and jointed in Class I mortar and pointed with slightly keyed joints

G. WATERPROOFING

G.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Bituminous damp-proof courses	SANS 248 (Type FV)
Polyolefin film for damp- and waterproofing in buildings (walls, sills, etc)	SANS 952 (Type B)
Polyolefin film for damp- and waterproofing in buildings (floors and basements)	SANS 952 (Type C)
Mastic asphalt for roofing	SANS 297
Mastic asphalt for damp-proof courses and tanking	SANS 298
Bituminous roofing felt	SANS 92 (Type 60)
Polyolefin film for damp- and waterproofing in buildings (flat roofs)	SANS 952 (Type A)
Chloroprene rubber sheet (for waterproofing)	SANS 580
Sealing compounds for the building industry, two-component, polysulphide base	SANS 110 (Type 2 - Gun Grade)
Sealing compounds for the building and construction industry, two- component, polyurethane base	SANS 1077
The waterproofing of buildings (including damp-proofing and vapour barrier installation)	SANS 10021

G.2 WATERPROOFING TO ROOFS, BASEMENTS, ETC

Waterproofing to roofs, basements, etc shall be carried out by workmen who are experienced in this type of work

G.3 DAMP-PROOF COURSE TO WALLS

All joints in damp-proof course to walls shall be lapped a minimum of 150mm except at junctions and corners where the lap shall equal the full thickness of the wall

H. ROOF COVERINGS ETC

H.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Concrete roofing tiles	SANS 542
Clay roofing tiles	SANS 632
Sawn softwood timber battens	SANS 1783-4
Fibre-cement sheets (flat and profiled)	SANS 685
Aluminium alloy corrugated and troughed sheets	SANS 903
Continuous hot-dip zinc-coated carbon steel sheet of commercial, lock-forming and drawing qualities	SANS 3575
Continuous hot-dip zinc-coated carbon steel sheet of structural quality	SANS 4998
Polyolefin film for damp- and waterproofing in buildings	SANS 952
Metal roofing tiles	SANS 1022
Glass-reinforced polyester (GRP) laminated sheets (profiled or flat)	SANS 1150
Fasteners for roof and wall coverings in the form of sheeting	SANS 1273
Materials for thermal insulation of buildings	SANS 1381-1&4
Expanded polystyrene thermal insulation boards	SANS 1508
Fixing of concrete interlocking roofing tiles	SANS 10062
Roof and side cladding	SANS 10237
Sheet zinc	BS 849
Sheet lead	BS 1178
Sheet aluminium	BS 1470
Sheet copper	BS 2870

H.2 GALVANIZED STEEL PROFILED SHEETS ETC

Galvanized steel profiled sheets, ridge and hip coverings, etc shall be coated with a minimum of 275 g zinc per m² and shall be free of white rust

H.3 GALVANIZED SHEET IRON

Galvanized sheet iron shall be rolled steel sheet coated on both sides with a minimum of 275 g of zinc per m² and shall be free from white rust

H.4 NAILING AND SCREWING

Where nailing and screwing is required:

- galvanized iron nails and screws shall be used for galvanized sheet iron and sheet zinc
- copper or copper alloy nails and screws for sheet copper and sheet lead
- aluminium alloy or stainless steel nails and screws for sheet aluminium

H.5 LAPS

Sheet metal flashings shall have minimum 100mm laps and linings to valleys, secret gutters, etc minimum 225mm laps

H.6 GENERAL

Rates for profiled sheet roofing and rolled edges, ridge and hip coverings, flashing pieces, etc of metal, fibre-cement, plastic, etc shall include fixing accessories

I. CARPENTRY AND JOINERY

I.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Sawn softwood timber : General requirements	SANS 1783-1
Sawn softwood timber : Stress-graded structural timber and timber for frame wall construction	SANS 1783-2
Sawn softwood timber : Brandering and battens	SANS 1783-4
Softwood flooring boards	SANS 629
Hardwood furniture timber	SANS 1099
Hardwood block and strip flooring	SANS 281
Wooden ceiling and panelling boards	SANS 1039
Laminated timber (glulam)	SANS 1460
Gypsum plasterboard	SANS 266
Fibreboard products	SANS 540
Wood-wool panels (cement bonded)	SANS 637
Fibre-cement sheets (flat and profiled)	SANS 685
Fibre-cement boards	SANS 803
Plywood and composite board	SANS 929
Wooden ceiling and panelling boards	SANS 1039
Particle boards	SANS 50312-1to7
Decorative laminates	SANS 4586
Wooden doors	SANS 545
Fire doors	SANS 1253
Materials for thermal insulation of buildings	SANS 1381-1,2,4&6
Expanded polystyrene thermal insulation boards	SANS 1508
Mild steel nails	SANS 820
Metal screws for wood	SANS 1171
Wood-preserving creosote	SANS 539

Softwood shall bear the relevant SABS mark and shall be ordered in the sizes in which it will be used as no scantlings of marked timber will be allowed. Should SABS marked timber be unavailable, the Principal Agent's prior permission shall be obtained before using unmarked timber

I.2 HARDWOODS

All hardwoods shall be specially selected, well seasoned, free from sapwood and well kiln dried. Meranti shall be Red or Medium Brown Meranti, even in grain and colour, selected from "Standard and Better" quality from Malaysia

I.3 INFECTION AND PRE-TREATMENT OF TIMBER

All timber used on the site, whether for permanent or temporary work, shall be free of borer or other beetle and termite infection. If the work under this contract falls within an area designated under Government Notice R2577 of 197812-29, permanent softwood fixed in the building shall be treated against borer etc in accordance with Government Notice R451 of 1969-03-28 using Class B or C preservative

When treated timbers are cut, the cut surfaces shall be effectively brushed with at least two coats of preservative solution

I.4 CONSTRUCTION IN GENERAL

Where applicable, construction methods shall comply with SANS 10082. Wood and laminate flooring shall be installed in accordance with SANS 10043. Roof trusses shall be manufactured, erected and braced in accordance with SANS 10243

I.5 STRUCTURAL TIMBER

Timbers generally shall be in single lengths and jointing of timbers will only be permitted when the required length is unobtainable. Only the absolute minimum of joints to obtain a particular length will be permitted and such joints are to be evenly spaced along the length of the timber

Finger-jointing of structural timber will be permitted, in which case it shall be manufactured in accordance with SANS 10096

I.6 PLATE NAILED TIMBER ROOF TRUSSES

Plate nailed timber roof trusses shall be of approved design and manufacture and constructed with softwood structural timber by a truss Fabricator holding a current Certificate of Competence awarded by the Institute of Timber Construction

Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions

The design, manufacture and transportation of the roof trusses, bracing, etc shall be under the control of a registered Structural Engineer in accordance with SANS 1900, SANS 10160 and SANS 10163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification

The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc

Fully detailed shop drawings of all trusses etc, indicating sizes, bracing, loading, etc, shall be submitted to the Principal Agent for approval prior to fabrication

Unless specific erection instructions are given, erection shall be carried out in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research or as detailed by the designer

Roof trusses and bracing shall include design and preparation of shop drawings

I.7 TONGUED AND GROOVED BOARDING

Tongued and grooved boards for floors, panelling, etc shall be in long varying lengths with joints tightly cramped up and secret nailed. Flooring boarding shall be flush jointed with staggered heading joints and machine sanded after fixing

I.8 JOINERY

Skirtings, cornices, rails, etc shall be in single lengths wherever practicable and shall have splayed heading joints where necessary. Skirtings shall be trenched at back

All horns of door frames shall be checked and splayed back where frames are fixed projecting or flush with surface and built in

Heads of screws in exposed faces of hardwood joinery shall be sunk and match pelleted

Joinery shall have arris rounded angles and shall be blocked and planted on

I.9 VENEERS

All face veneers shall be of kiln dried timber, free from knots, cracks, patchwork, sapwood and other defects, selected and glued, dried and machine-sanded to a smooth finish. All veneers shall be applied under hydraulic pressure

I.10 DOORS

Flush doors shall have solid timber edge strips with concealed edges. Where doors are to be finished with a transparent finish, the veneer and the edge strips shall be timber of the same species and as far as possible of matching colour. Unless otherwise described all flush doors shall be of interior quality, but where exterior quality doors are specified the glue used shall be of the WBP type

Framed and ledged batten doors described as filled in with V-jointed boarding shall be filled in flush on one side with tongued and grooved vertical boarding, V-jointed on one or both sides and of the thickness stated. The boarding shall be in narrow widths, closely cramped up, rebated or tongued on outer edges and housed to grooves in stiles and rails and twice countersunk brass screwed at each intersection with ledges and braces and the inner edges of the abutting stiles and rails shall be chamfered to form a V-joint at junction with the board

Unless otherwise described double doors shall have rebated meeting stiles

I.11 FIXING

All nails and screws shall be of the size, length and type appropriate to their respective uses. All screws for hardwood joinery work shall be brass

Items described as "plugged" shall be screwed to fibre, plastic or metal plugs at not exceeding 600mm centres. Where items are described as "bolted", the bolts have been given separately

I.12 ADHESIVES

Adhesives shall comply with BS 1204 and 4071 where applicable. Adhesives used in the manufacture of external joinery exposed to excessive moisture (eg kitchen and laboratory worktops) shall be of the WBP type

J. CEILINGS, PARTITIONS AND ACCESS FLOORING

J.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Gypsum plasterboard	SANS 266
Fibreboard products	SANS 540
Gypsum cove cornice	SANS 622
Wood-wool panels (cement-bonded)	SANS 637
Sawn softwood timber : Brandering and battens	SANS 1783-4
Sawn softwood timber : Timber for frame wall Construction	SANS 1783-2
Fibre-cement boards	SANS 803
Plywood and composite board	SANS 929
Wooden ceiling and panelling boards	SANS 1039
Materials for thermal insulation of buildings	SANS 1381-1&4
Expanded polystyrene thermal insulation boards	SANS 1508
Raised access flooring	SANS 1549

J.2 TONGUED AND GROOVED BOARDING

Tongued and grooved boarding for ceilings shall be in long varying lengths, V-jointed one side and with joints tightly cramped up and secret nailed

J.3 CEILINGS ETC

J.3.1 Brandering

Brandering for ceilings and eaves soffit coverings shall be symmetrically arranged with necessary smaller panels. Main branders shall be at right angles to roof timbers, with cross branders cut in between and branders shall be fixed with galvanized wire nails driven in on skew alternately in opposite directions

J.3.2 Ceiling boards

Ceiling boards shall be in long lengths symmetrically arranged with necessary smaller panels, closely butted and secured at 150mm centres to brandering with galvanized or cadmium-plated clout-headed nails

J.4 GYPSUM SKIM PLASTER

Gypsum skim plaster shall be pure gypsum plaster finished with a steel trowel

J.5 EXPOSED TEE-SYSTEM SUSPENDED CEILINGS

The ceiling panels shall be as described in the items and the panels shall be stiffened at back as recommended by the manufacturer to prevent bowing or sagging

The exposed surfaces of all ceiling panels and supporting members shall be uniform in colour and free from surface blemishes

The suspension grid system shall be an approved patent suspension system comprising 38mm galvanized steel main and cross tee bearers spaced in both directions at centres to suit sizes of ceiling panels used, with the cross bearers fitted between and notched to form flush fit with main bearers. The exposed flange of the tees shall be 25mm wide, covered with a rolled aluminium cap painted a low sheen satin white. Cornices etc shall be as described in the items and shall be finished to match the exposed tees

The main tee bearers shall have holes for cross tees at 300mm centres and holes for hangers at 50mm centres. In addition, main and cross tee bearers shall be holed as necessary for and provided with timber wedges or steel clips where recommended by the manufacturer to prevent ceiling panels from lifting

The web of the exposed cross tee bearers shall extend to form a positive interlock with the main tee bearers and the lower flange shall be cut back to provide a joint free appearance

All hangers shall be galvanized and shall be at centres to meet the requirements of the specification with one end fixed to the suspension grid main bearers and the other end fitted with suitable galvanized fixing cleat securely fixed to the structure. Fixing points shall be agreed to by the Principal Agent before any power shot fixings are made. Hangers shall not be suspended from air-conditioning ducts. Where recommended by the manufacturer, hangers shall be of the rigid type

Component parts and fixings shall be non-corrosive and able to withstand atmospheric pollution. Surfaces of aluminium which are in contact with other materials when fixed, particularly metals, shall be suitably insulated to prevent electrolytic corrosion

Ceilings shall comprise hangers, suspension grid system and ceiling panels, shall be constructed in a manner suitable for carrying air-conditioning diffusers and light fittings in the positions required, shall be set out to layouts approved by the Principal Agent and shall have the standard suspension systems modified as necessary to work around any pipes or light fittings

J.6 FLUSH PLASTERED SUSPENDED CEILINGS

Gypsum plasterboard panels of the specified thickness generally in 1200mm widths and in long lengths shall be fixed grey side down with self-tapping screws to the suspension system with the joints between boards loosely butt jointed and covered with 50mm wide strips of self-adhesive fibre tape

The plasterboard panels shall be finished with gypsum skim plaster trowelled to a smooth polished surface to the thickness etc recommended by the manufacturer

The suspension system shall be an approved patent concealed suspension system consisting of galvanized mild steel bearers suspended on approved non-rusting metal hangers spaced generally at 1200mm centres or to suit layout of air-conditioning ducts and other services etc above ceiling with one end bolted to the bearer and the other end fitted with a galvanized fixing cleat securely fixed to the structure as required

Fixing points shall be agreed to by the Principal Agent before any power shot fixings are made. Hangers shall not be suspended from air-conditioning ducting

Ceilings shall comprise hangers, suspension system, ceiling panels and plaster finish, shall be constructed in a manner suitable for carrying air-conditioning diffusers and light fittings in the positions required, shall be set out to layouts approved by the Principal Agent and shall have the standard suspension system modified as necessary to work around any pipes or light fittings

K. FLOOR COVERINGS, WALL LININGS, ETC

K.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Semi-flexible vinyl floor tiles	SANS 581
Resin modified vinyl floor tiles	SANS 586
Flexible vinyl flooring	SANS 786
Hardwood block and strip flooring	SANS 281
Wood mosaic flooring	SANS 978
Textile floor coverings (pile construction)	SANS 1375
Textile floor coverings (needle-punched construction)	SANS 141
Carpet underlays	SANS 1419
The installation of wood and laminate flooring	SANS 10043
The installation of resilient thermoplastic and similar flexible floor covering materials	SANS 10070
The installation of textile floor coverings	SANS 10186
Sheet linoleum (calendered types), cork, carpet and linoleum tiles	BS 810
Solid rubber flooring	BS 1711
Felt backed linoleum	BS 1863

K.2 LAYING OF MATERIAL

Floor tiles shall be laid with continuous joints in both directions

Patterned floor coverings shall be matched at joints

K.3 GENERAL

Floor coverings, wall linings, skirtings, nosings, etc shall include all preparatory work to screeded or plastered surfaces etc, priming coats and adhesives

Floor coverings and wall linings shall be dressed around and into corners. Wood block and wood mosaic flooring shall be sanded with a sanding machine and sealed with a coat of approved penetrating sealer

Plastic handrails shall have welded and polished butt joints

L. IRONMONGERY

L.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Locks, latches and associated furniture for doors. (Domestic type)	SANS 4
Kitchen cupboards: Built-in and free-standing	SANS 1385
Single action closers	SANS 1510
Padlocks	SANS 1533
Fasteners	SANS 1700
Chalk writing boards for schools	CKS 36

L.2 KEYS

Locks shall have the minimum possible number of interchangeable keys. Cylinder locks and locks described as "en suite" shall be clearly marked with consecutive numbers and each key shall be punched with the corresponding number of the relative lock

L.3 FIXING

Unless otherwise described, ironmongery is to be fixed to wood

Items described as "plugged" shall be screwed to fibre, plastic or metal plugs

Screws, bolts, etc for fixing of ironmongery shall be of matching metal and finish, except for aluminium ironmongery or ironmongery fixed to aluminium in which cases stainless steel screws may be used

All necessary preparation of pressed steel door frames for the fixing of ironmongery to the frames has been included with the pressed steel door frames

L.4 KITCHEN CUPBOARDS

Steel cupboards shall be finished with baked enamel. Tops of floor cupboards shall have laminated plastic covering

Cupboards shall be fitted with all necessary hinges, handles, catches, etc. Cupboards shall be securely fixed with all necessary screws and fibre, plastic or metal plugs

Where cupboards are described as a "series", tops shall be continuous and cupboards shall be bolted or screwed together, including bolts, screws, holes, etc

M. STRUCTURAL STEELWORK

M.1 SPECIFICATION

All structural steelwork shall comply with SANS 1200H or 1200HA as applicable. Structural fasteners shall comply with SANS 1700

Whenever the term "Engineer" appears in SANS 1200H or 1200HA or in the following Project Specification this shall be deemed to mean the Principal Agent's representative responsible for this section of the Works

M.2 PROJECT SPECIFICATION INCORPORATING AMPLIFICATIONS, ADDITIONS AND AMENDMENTS TO SANS 1200H AND 1200HA

The following amplifications, additions and amendments to SANS 1200H and SANS 1200HA shall apply and clause numbers refer to either the existing clauses in the relevant SANS or to new clauses which are related to the clauses therein

SANS 1200H

3.1.1 Weldable structural steel

Weldable structural steel shall comply with SANS 1431

5.1.2 Contractor provides shop details

The Contractor shall be responsible for the preparation of all shop detail drawings

5.1.3 Engineer provides shop details

This clause shall not apply

5.3.9 Protective treatment

Structural steelwork shall be cleaned and prepared by wire brushing in accordance with SANS 10064 and all surfaces shall be primed as specified to a minimum dry film thickness of 30 micrometres before leaving the workshop. Upon delivery to the site and again after erection all bared surfaces shall be made good with similar primer

8. Measurement and payment

This clause shall not apply

SANS 1200HA

5.2.10 Protective treatment

Structural steelwork shall be cleaned and prepared by wire brushing in accordance with SANS 10064 and all surfaces shall be primed as specified to a minimum dry film thickness of 30 micrometres before leaving the workshop. Upon delivery to the site and again after erection all bared surfaces shall be made good with similar primer

5.3.7 Repairs to paint and site painting

This clause shall not apply

8. Measurement and payment

This clause shall not apply

N. METALWORK

N.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Fasteners	SANS 1700
Expanded metal	SANS 190-1&2
Windows and doors made of rolled mild steel sections	SANS 727
Hot-dip galvanized zinc coatings on fabricated iron and steel articles	SANS 121
Strongroom and vault doors	SANS 949
Anodized coatings on aluminium (for architectural applications)	SANS 999
Steel door frames	SANS 1129
Mushroom- and countersunk-head bolts and nuts	SANS 1143
Welding of metalwork	SANS 1044
Adjustable glass-louvred windows	CKS 413
Aluminium sheet and strips	BS 1470
Aluminium extruded tube and hollow sections	BS 1474
Aluminium bars and sections	BS 1476

N.2 STEEL

Steel shall be mild steel of approved commercial quality. Steelwork shall be cleaned and prepared by wire brushing in accordance with SANS 10064 and given one coat of primer as specified before leaving the workshop

N.2.1 Galvanizing of steel

Steelwork described as "galvanized" shall be galvanized by means of the hot-dip process after fabrication. Where welding on site is unavoidable, such welded joints shall be cleaned down and cold galvanized to approval

N.3 STAINLESS STEEL

Stainless steel shall be AISI Type 304 stainless steel and shall be buffed to an even satin finish. Stainless steel screws shall be used for fixing stainless steel

N.4 ALUMINIUM

Aluminium extrusions shall be of 6063-T6 alloy and temper. Aluminium sheet and strips shall be of 1200-H4 alloy and temper.

Joints in all aluminium members shall be formed in an approved manner so that the joints are practically invisible. Screw heads, pins, rivets, etc shall be concealed as far as possible. 300 Series stainless steel screws and bolts shall be used for jointing and fixing aluminium work

The surfaces of all aluminium which are in contact with other materials when fixed shall be suitably insulated with a non-absorbent insulating material to prevent corrosion. All aluminium work shall be suitably protected against damage, deterioration or discolouration caused by mortar droppings, paint, etc by taping with removable tape, covering with temporary casings or by covering with motor oil

N.4.1 Anodizing of aluminium

Aluminium described as "anodized" shall be treated with Grade 25 coating thickness for exterior use or Grade 15 for interior use as specified, to the required finish. All alloys to be anodized shall be suited to anodizing

N.5 BOLTS AND NUTS

Nuts shall be of at least the strength grade appropriate to the grade of bolt or other threaded element with which they are used

N.6 SCREWING OF METALWORK TO STEEL, WOOD, CONCRETE, ETC

Metalwork described as "screwed" to steel, wood, etc or "plugged" to brickwork, concrete, etc shall be fixed at not exceeding 500mm centres, with necessary holes, countersinking, threading, screws, set screws, self-tapping screws and fibre, plastic or metal plugs

N.7 BOLTING OF METALWORK

Where metalwork is described as "bolted" to steel, wood, brickwork, concrete, etc the bolts are measured elsewhere

N.8 WELDING OF METALWORK

All welds shall be cleaned and filed or ground off smooth to approval. All welded joints shall be continuous

N.9 METALWORK GENERALLY

Metalwork shall have all sharp edges ground smooth. Tubular and pipe work shall include running joints. Rails etc described as "continuous" shall be in long lengths with welded joints

N.10 PRESSED STEEL DOORS, FRAMES, ETC

N.10.1 Door frames

Frames shall project not less than 20mm into floor finish. Except where described as galvanized, frames shall be primed as specified before leaving the factory. Frames are to jambs and heads of openings. Frames for single doors shall be provided with two 100mm steel butt hinges and an adjustable striking plate for a mortice lock and frames for double doors shall be provided with four 100mm steel butt hinges. Butt hinges shall be steel butts with loose pins, welded to frames. Where necessary mortar caps shall be welded to frames and back plates shall be welded on behindappings for screws

N.10.2 Cupboard door frames

Cupboard door frames shall be as described in N.10.1, but with thresholds of unequal channel section, two 100mm steel butt hinges to hanging stiles, two 75mm steel butt hinges to hanging stiles above transoms, necessary striking plates for mortice locks and keeps for barrel bolts

N.10.3 Combination doors and frames

Combination doors and frames shall be manufactured of 1,6mm thick steel plate. Frames shall be as described in N.10.1. Doors shall be standard design and required profile, with a 44mm wide edge all round, vertical reinforcing ribs pressed in and with two reinforcing rails welded on. The door shall be provided with two lever mortice lock with lock box welded to inside. Doors shall be welded to steel butts

N.10.4 Transformer room doors and frames

Transformer room doors and frames shall be manufactured of 1,6mm thick steel plate. Frames shall be as described in N.10.1. Doors shall be of standard design with a 44mm wide edge all round, vertical reinforcing ribs pressed in and with three reinforcing rails welded on. Single doors shall be fitted with a padlock cleat and two 100mm brass pintle hinges and double doors shall be fitted with a padlock cleat, two 150mm bolts and four 100mm brass pintle hinges. Each leaf shall be fitted with a louvered ventilation panel of standard design backed with 6mm mesh galvanized wire vermin proof screen

N.10.5 Sizes

The frame widths given refer to unfinished wall thicknesses

N.10.6 Glazing beads

Where specified, glazing beads shall be 12 x 12mm standard metal glazing beads mitred at angles and countersunk screwed on at not exceeding 300mm centres with self-tapping screws

N.11 STEEL WINDOWS, DOORS, ETC

N.11.1 Windows, doors, etc

All fittings to windows, doors, etc shall be chromium plated. Fixed lights and opening sashes shall be in single squares. Windows etc of single unit construction shall have weather bars at transoms above opening sashes

Composite windows not of single piece construction shall be coupled with standard coupling mullions and transoms that correspond with the window section used

Kicking plates and panels shall be 1,6mm metal plate fixed with standard metal glazing beads mitred at angles and countersunk screwed on at not exceeding 300mm centres with self-tapping screws

Except where described as galvanized, windows, doors, burglar bars, etc shall be primed as specified before leaving the factory

N.11.2 Burglar bars and flyscreens

Where windows are described as fitted with burglar bars or flyscreens, these shall be standard type fitted over opening sashes

N.12 ADJUSTABLE LOUVRE UNITS

Adjustable louvre units shall be suitable for hand or longarm operation

Louvre units shall include glass louvres with polished edges and installation, including holes, screws, rivets, preparation of openings, etc

N.13 ALUMINIUM WINDOWS AND DOORS

The foregoing preambles "N.4 – ALUMINIUM" shall apply to aluminium windows, doors, etc in all respects in so far as they are applicable. Aluminium windows and doors shall be manufactured from extruded aluminium members of 6063T6, 6261-T6 or 6082-T6 alloy and temper

Ancillary members such as sills, flashings, infill panels and the like formed from flat sheet material shall be of an appropriate alloy selected from 1200, 3004 or 5251 complying with BS 1470 of a temper suitable for the method of forming and a composition suitable for anodizing or painting as required

Windows, doors, etc shall be of an approved standard system, manufactured by an approved firm experienced in this type of work, and shall meet with the minimum recommended performance requirements as set out by the Association of Architectural Aluminium Manufacturers of South Africa (AAAMSA) in the latest edition of the Selection Guide

The fittings for all opening sashes shall be substantial and, unless otherwise described, shall be of high quality aluminium alloy finished to match the windows, doors, etc on which they occur. Samples of all fittings shall be supplied to the Principal Agent for approval

Top, side and bottom hung opening sashes shall be hung on two aluminium hinges with 300 Series stainless steel pins, nylon bushes and stainless steel washers. Side hung sashes shall have fasteners and sliding stays, top hung sashes shall have peg stays and bottom hung sashes shall have spring catches and concealed arms

Projected out sashes shall have aluminium fasteners and concealed arms of a non-corrosive material compatible with aluminium

The frames which are to be built into openings in brickwork shall be fitted with the manufacturer's standard type fixing lugs, not less than 20 x 3 x 150mm long, screwed to frame and placed one near each corner and intermediately not more than 450mm apart to sides, top and bottom and where fixed to concrete reveals, wood sub-frames or to preformed openings in brickwork shall have countersunk holes for screws, one near each corner and intermediately not more than 450mm apart to sides, top and bottom

N.13.1 Glazing beads

Where so described, openings and sashes of windows and doors shall be fitted with approved channel section aluminium glazing beads sufficient in size and profile to suit the method of glazing employed, finished to match the windows, doors, etc and neatly mitred. Screws where necessary shall be of aluminium or 300 Series stainless steel and have pan or raised heads finished to match the beads

N.13.2 Finishes

Windows, doors, etc described as "anodized" shall be treated with Grade 25 coating thickness. Windows, doors, etc described as "factory painted" shall have an electrostatically applied oven baked polyester paint coating not less than 25 micrometres thick

N.13.3 General

Aluminium windows, doors, etc shall include glass as described, fixing in position, sealing and protection against damage, deterioration or discolouration by taping with removable tape or covering with temporary casings or motor oil and removing same on completion

N.14 STRONGROOM AND RECORD ROOM DOORS

Strongroom and record room doors shall not be built in as the work proceeds, but shall be fixed later in the openings provided. The Contractor shall ensure that the lock or other important parts of the door are not tampered with. Should any such tampering occur, the Contractor will be held responsible and at the Principal Agent's discretion shall provide a new door or lock and keys at his own expense. The keys shall not be delivered together with the doors to the building site. The Contractor shall arrange for the manufacturer to send the keys direct to the Principal Agent per registered post. If these instructions are not complied with, a new lock and keys shall be provided by the Contractor at his own expense

N.15 STEEL ROLLER SHUTTERS

Roller shutters shall be of approved manufacture comprising curtain, vertical channel guides and top mechanism. The curtain shall be constructed of 1mm thick machine-rolled galvanized interlocking slats with mild steel end locks spot welded to alternate strips. The bottom shall be provided with a galvanized rail riveted on and vertical edges shall slide in galvanized channel guides formed of steel not less than 2,5mm thick bolted to sides of openings

The mechanism shall be covered in a galvanized sheet iron box. The ungalvanized sections shall be primed as specified before leaving the factory

O. PLASTERING

O.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Common cement	SANS 50197-1(Class 32,5N)
Masonry cement	SANS 50413-1(Class 225X)
Limes for use in building	SANS 523 {Slaked (hydrated) limes}
Aggregates from natural sources – Fine aggregates for plaster and mortar	SANS 1090

O.2 PREPARATORY WORK

Surfaces shall be clean and free of oil and thoroughly wetted directly before any plastering or other in situ finishes are commenced. Concrete surfaces shall be slushed with a mixture of one part cement and one part coarse sand or otherwise treated to form a proper key. Preparatory coats shall be thoroughly scored and roughened to form a proper key

O.3 FINISH

All coats of paving and plastering shall be executed in one operation without any blemishes

O.4 SCREEDS

Screeds shall be composed of one part cement and four parts sand

O.5 CEMENT RENDER

Cement render shall be composed of one part cement and three parts sand finished with a steel trowel to a smooth polished surface and cured for at least seven days after laying

Cement render finish shall be divided into panels not exceeding 6m² with V-joints and deep trowel cuts

O.6 GRANOLITHIC

Granolithic shall be composed of one part cement, one part fine sand, two parts coarse sand and one part granite or other approved stone aggregate that will pass through a 5mm sieve, finished with a steel trowel to a smooth polished surface and cured for at least seven days after laying

Coloured granolithic shall be carried out in two coats in one operation and shall be tinted to the required colour with approved colouring pigment mixed into the finishing coat. Under no circumstances is the pigment to be sprinkled on and trowelled in after the granolithic is laid

Granolithic shall be divided into panels not exceeding 6m² with V-joints and deep trowel cuts

O.7 TERRAZZO

Terrazzo shall be applied in two coats. The undercoat shall be composed of one part cement and three parts sand and shall be finished with a wooden float. The finishing coat shall be composed of one part cement and two parts marble or stone aggregate of a colour and size to obtain the required colour and texture and shall be at least 12mm thick, and applied before the undercoat has dried out. The finishing coat shall be compacted by tamping or rolling until superfluous water has been expelled, finished with a steel trowel and cured for at least seven days after laying. The finished surface shall show at least 80% of the aggregate

Surfaces described as "polished" shall be polished by machine using various grades of abrasive and grouting with tinted cement as necessary between polishings

Surfaces described as "polished" shall be polished by machine using various grades of abrasive and grouting with tinted cement as necessary between polishings

Surfaces described as "brushed" shall be brushed with a steel wire brush on the day the terrazzo has been laid to expose the aggregate as required

Where required, brass or other dividing strips shall be embedded in the undercoat to finish flush with the finished surface

Three sample blocks, each size 300 x 300mm, as separately measured shall be prepared for approval by the Principal Agent and kept in an accessible place on the site until the completion of the contract

O.8 SKIRTINGS

Skirtings shall not exceed 25mm thick and shall have a fair edge with arris or rounded external angle at top edge or V-joint to finish flush with plaster and coved or square junction with floor finish

O.9 THICKNESS OF PLASTER

All plaster, other than skim plaster, shall be not less than 10mm and not more than 20mm thick

O.10 CEMENT PLASTER

Cement plaster shall comply with the following table:

1	2	3
Plaster Class	Cement:sand (common cement)	Cement:sand (masonry cement)
I	1:4 or 50kg to 130 litres	1:3 or 50kg to 100 litres
II	1:6 or 50kg to 200 litres	1:5 or 50kg to 170 litres
III	1:9 or 50kg to 300 litres	1:6 or 50kg to 200 litres

O.11 COMPO PLASTER

Compo plaster shall be composed of one part cement, two parts lime and nine parts sand

O.12 GYPSUM SKIM PLASTER

Gypsum skim plaster shall be pure gypsum plaster finished with a steel trowel

O.13 TWO COAT PLASTER WITH GYPSUM FINISH

Two coat plaster with gypsum finish shall comprise an undercoat of Class II cement plaster finished with a wooden float and a finishing coat of gypsum skim plaster

O.14 ROUGH-CAST PLASTER

Rough-cast plaster shall be applied in two coats. The undercoat shall be composed of one part cement and five parts sand finished with a wooden float. The finishing coat shall be composed of one part cement and three parts stone aggregate that will pass through a 4mm sieve. The finishing coat shall be flicked on with a machine before the undercoat has set to obtain an even texture

O.15 FINE ROUGH-CAST PLASTER

Fine rough-cast plaster shall be as for rough-cast plaster but the finishing coat shall be composed of one part cement and three parts coarse sand

0.16 GENERAL

Rates for plastering described as being on vertical surfaces of brickwork or blockwork shall include concrete columns, beams and lintels flush with the face of the wall

P. TILING

P.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Glazed ceramic wall tiles and fittings	SANS 22
Ceramic wall and floor tiles	SANS 1449
Common cement	SANS 50197-1(Class 32,5N)
Masonry cement	SANS 50413-1(Class 22,5X)
Aggregates from natural sources – Fine aggregates for plaster and mortar	SANS 1090
The design and installation of ceramic tiling	SANS 10107

P.2 TILES, MOSAICS, ETC

Tiles, mosaics, etc shall be even in shape and size, free from cracks, twists or blemishes and uniform in colour

P.3 PREPARATORY WORK

Surfaces shall be clean and free of oil and thoroughly wetted directly before any tiling is commenced. Concrete surfaces shall be slushed with a mixture of one part cement and one part coarse sand or otherwise treated to form a proper key

P.4 CERAMIC WALL AND FLOOR TILING

Where tiles are fixed to plaster or screeds with an adhesive, the adhesive shall be as recommended by the manufacturer of the tiles. Joints shall be straight, continuous and flush pointed with an approved grouting compound

P.5 GENERAL

Tiling described as "on walls" is on brick walls or block walls unless otherwise stated and shall include concrete columns, beams and lintels flush with the face of the wall

Q. PLUMBING AND DRAINAGE

Q.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Sheet metal

Sheet zinc	BS 849
Sheet aluminium	BS 1470
Sheet copper	BS 2870

Rainwater systems

Unplasticized poly(vinyl chloride) (PVC-U) components for external rainwater systems	SANS 11
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Pipes and fittings

Steel pipes : Pipes suitable for threading and of nominal size not exceeding 150mm	SANS 62
Plain-ended solid drawn copper tubes for Potable water	SANS 460
Malleable cast iron fittings threaded to ISO 7-1	SANS 4
Polyethylene (PE) pipes for water supply – Specifications	SANS 4427
Cast iron fittings for asbestos cement pressure pipes	SANS 546
Vitrified clay sewer pipes and fittings	SANS 559
Reinforced concrete pressure pipes	SANS 676
Concrete non-pressure pipes	SANS 677
Cast iron pipes and pipe fittings for use above ground in drainage installations	SANS 746
Unplasticized poly(vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings	SANS 791
Fibre-cement pipes, couplings and fittings for sewerage, drainage and low-pressure irrigation	SANS 819
Pitch-impregnated fibre pipes and fittings and jointing	SANS 921
Unplasticized poly (vinyl chloride) (PVC-U) pressure pipe systems	SANS 966-1
Unplasticized poly(vinyl chloride) (PVC-U) soil, waste and vent pipes and pipe fittings	SANS 967
Rubber joint rings (non-cellular)	SANS 974-1
Copper-based fittings for copper tubes	SANS 1067-1&2
Fibre-cement pressure pipes and couplings	SANS 1223
Polypropylene pressure pipes	SANS 1315
Non-metallic waste traps	SANS 1321-1&2
Vent valves for drainage installations	SANS 1532
Heavy duty cast iron pipe fittings for drainage and gas and water supplies	BS 78

Lead pipes	BS 602
Cast iron pressure pipes for use in drainage and gas and water supplies	BS 1211
Stainless steel pipes for use with compression fittings	BS 4127
Sanitary fittings etc	
Stainless steel sinks with draining boards (for domestic use)	SANS 242
Stainless steel wash-hand basins and wash troughs	SANS 906
Stainless steel sinks for institutional use	SANS 907
Stainless steel stall urinals	SANS 924
Acrylic sanitary ware : Baths	SANS 1402-1
Glazed ceramic sanitary ware	SANS 497
WC flushing cisterns	SANS 821
Flush valves for WC flushing cisterns	SANS 1509
Taps, valves etc	
Water taps (metallic bodies)	SANS 226
Water taps (plastic bodies)	SANS 1021
Single control mixer taps	SANS 1480
Float valves	SANS 752
Plastic floats for ball valves	SANS 1006
Functional control valves and safety valves for Domestic hot and cold water supply systems	SANS 198
Cast iron gate valves for waterworks	SANS 664
Automatic shut-off flush valves for water closets and urinals	SANS 1240
Check valves (flanged and wafer types)	SANS 1551-1&2
Fire extinguishers	
Portable refillable fire extinguishers	SANS 1910
Portable rechargeable fire extinguishers : Halogenated hydrocarbon type extinguishers	SANS 1151
Water heaters and fire hose reels	
Fixed electric storage water heaters	SANS 151
Fire hose reels (with semi-rigid hose)	SANS 543
Drainage covers, gratings, etc	
Cast iron surface boxes and manhole and inspection covers and frames	SANS 558
Cast iron gratings for gullies and stormwater drains	SANS 1115
The installation of polyethylene and poly (vinyl chloride) (PVC-U and PVC-M) pipes	SANS 10112
Water supply and drainage for buildings	SANS 10252-1&2

Q.2 GENERAL**Q.2.1 Excavations**

Excavations shall be deemed to be in "earth". Backfilling to excavations shall be executed in 300mm thick layers, watered and compacted. Surplus excavated material shall be spread and levelled over site as directed

Q.2.2 Concrete

Unreinforced concrete shall be Class B prescribed mix concrete and reinforced and precast concrete shall be Class C prescribed mix concrete

Q.2.3 Brickwork

Brickwork shall be of extra hard burnt bricks built in Class I mortar

Q.2.4 Plaster

Plaster shall be 1:3 cement plaster finished smooth with a steel trowel. All angles shall be rounded

Q.2.5 Diameters of pipes etc

Diameters stated for pipes, traps, valves, etc are internal diameters except PVC, polyethylene, stainless steel and copper pipes and traps for which external diameters are stated

Q.3 SHEET METAL WORK**Q.3.1 Galvanized sheet iron**

Galvanized sheet iron shall be rolled steel sheet coated on both sides with Class Z275, unless otherwise specified, zinc coating complying with SANS 3575/4998. Sheets shall be free from white rust

Q.4 EAVES GUTTERS**Q.4.1 Galvanized sheet iron gutters**

Galvanized sheet iron gutters shall have beaded edges and all joints shall be riveted and soldered. Angles shall be strengthened with 50 x 0,6mm galvanized sheet iron strips soldered on over the internal faces of mitres

Gutters shall be fixed with falls to outlets on 30 x 3mm galvanized mild steel brackets, bent to the shape of gutters, with front ends taken up to the underside of beaded edge of gutter and each screwed to roof timbers or bolted to fibre-cement fascias with 6mm galvanized gutter bolts. Gutters shall be bolted to brackets at front with 6mm galvanized gutter bolts, one to each bracket

Brackets shall be positioned at joints of gutters and intermediately at not exceeding 1,25m centres

Q.4.2 Fibre-cement gutters

Fibre-cement gutters shall have spigot and socket joints. Gutters shall be fixed with falls to outlets on standard aluminium alloy brackets, screwed or bolted to roof timbers or fascias

Q.4.3 Unplasticized polyvinyl chloride (UPVC) gutters

Gutters shall be fixed with falls to outlets on brackets as supplied by the manufacturer, screwed or bolted to roof timbers or fascias

Q.4.4 Aluminium gutters

Aluminium gutters shall be roll formed on site to required lengths and profiles from 3003H14-3SH4 alloy strip not less than 0,7mm thick factory coated on both sides with baked enamel and two coats of silicone modified polyester to a total minimum thickness of 20 micrometres. Angles, stopped ends, etc shall be prefabricated units pop riveted to gutters with joints sealed with mastic. The guttering shall be in continuous lengths between angles, stopped ends, etc

Q.5 RAINWATER PIPES

Q.5.1 Galvanized sheet iron pipes

Galvanized sheet iron pipes shall have seams at the back and shall be jointed with soldered slip joints. Pipes shall be fixed to walls etc with galvanized mild steel holderbats spaced at not exceeding 2m centres with tails driven in or cut and pinned in 1:3 cement mortar

Q.5.2 Fibre-cement pipes

Fibre-cement pipes shall have spigot and socket joints. Pipes shall be fixed to walls etc with standard aluminium alloy holderbats with tails driven in or cut and pinned in 1:3 cement mortar

Q.5.3 Unplasticized polyvinyl chloride (UPVC) pipes

Pipes shall be fixed to walls etc with patented UPVC or aluminium clips and holderbats as supplied by the manufacturer of the pipe

Q.5.4 Aluminium pipes

Aluminium pipes and fixing straps shall be formed from 3003H14-3SH4 alloy strip not less than 0,7mm thick factory coated on both sides as described for aluminium gutters. Pipes shall be in continuous lengths with formed angles, offsets, shoes, etc. Pipes shall be fixed to walls etc with 20 x 0,6mm straps at not exceeding 1,5m centres screwed to 25 x 75 x 100mm hardwood chamfered and oiled blocks plugged to walls

Q.6 STORMWATER CHANNELS

In-situ concrete stormwater channels shall be constructed of unreinforced concrete with segmental channel formed in top. Channels shall be laid to falls on a well rammed earth bottom and finished smooth on exposed surfaces

Precast concrete channels shall be of 25 MPa concrete, generally in 1m lengths, finished smooth from the mould on exposed surfaces, laid to falls on a well rammed earth bottom, jointed in 1:3 cement mortar and pointed with keyed joints

Q.7 JOINTS

Joints of pipes not covered by SANS shall be as follows:

Pipes

Fibre-cement, concrete, pitch-impregnated fibre and vitrified clay pipes for use under ground in non-pressure pipe lines

Cast iron for use above ground

Cast iron for use below ground

Galvanized mild steel

Joints between pipes of different materials shall be as follows:

Between cast iron and mild steel

Between cast iron and clay

Between mild steel or copper and clay

Joints

Flexible joints in accordance with the manufacturer's instructions

Spigot and socket joints with tarred rope yarn and caulking compound

or

Plain ended joints with stainless steel couplings with neoprene rubber sleeves

Spigot and socket joints with tarred rope yarn and caulking compound

Joints of screwed galvanized steel sockets or bolted galvanized iron flanges

Screwed joints with plastic jointing tape or hemp

Flanged joints which shall be bolted and provided with rubber gaskets and with flanges screwed to pipes

Spigot and socket joints with tarred rope yarn and caulking compound

Spigot and socket joint with semi-dry cement caulking and 1:2 cement mortar fillet

Spigot and socket joint with either bitumen or semi-dry cement caulking and 1:2 cement mortar fillet

Q.8 FIXING OF PIPES

Pipes shall be fixed as follows:

Q.8.1 Galvanized mild steel (except those stated in Q.8.3)

To walls with galvanized mild steel brackets for pipes not exceeding 80mm diameter and with galvanized cast iron hinged holderbats with brass pins or bolts for pipes exceeding 80mm diameter; both types with tails cut and pinned in 1:3 cement mortar

To woodwork with screw-on type galvanized mild steel holderbats

Q.8.2 Copper and stainless steel

To walls with brass holderbats or screw-on type two-piece spacing clips for pipes not exceeding 75mm diameter and with purpose made holderbats for pipes exceeding 75mm diameter; both types with tails cut and pinned in 1:3 cement mortar

To woodwork with screw-on type brass holderbats

Q.8.3 Cast iron and galvanized mild steel for soil, waste and vent pipes

To walls with hinged cast iron holderbats with brass bolts and with tails cut and pinned in 1:3 cement mortar

To woodwork with screw-on type galvanized mild steel holderbats

Q.8.4 Polyethylene, polypropylene and patented UPVC or unplasticized polyvinyl chloride

To walls, woodwork, etc with aluminium clips and holderbats as supplied by the manufacturer of the pipes

Q.8.5 Fibre-cement

To walls with aluminium alloy holderbats with tails cut and pinned in 1:3 cement mortar

Q.8.6 Pipes fixed to ceilings

Fixed with holderbats and standard or purpose made hangers, with extended hangers for pipes to falls

Q.9 PIPES LAID IN GROUND

Q.9.1 Water pipes etc

Water pipes, gas pipes, etc laid in ground shall be at least 400mm deep from the crown of the pipe to the finished surface

Q.9.2 Drain pipes

Excavations taken out too deep shall be filled in with selected soil and compacted. Backfilling to sides and up to 300mm above plastic pipes shall be free from stone or hard substances which will not pass a 10mm mesh

Q.10 CLEANING EYE LIDS

Cleaning eye lids for drain pipe fittings shall be fixed and sealed as follows:

Pipe fittings	Method of sealing and fixing
Fibre-cement	Sealed with synthetic rubber or bituminous mastic packing and fixed with screws
Vitrified clay	Polypropylene lid sealed with synthetic rubber packing and pressed into position
Polypropylene and unplasticized polyvinyl chloride	Sealed with synthetic rubber packing and screwed on or pressed into position
Cast iron	Sealed with tallow or putty and fixed with non-ferrous metal screws
Galvanized malleable cast iron and cast brass	Sealed with synthetic rubber packing and screwed in

Q.11 CLEANING EYES

Cleaning eyes shall consist of cast iron frames and lids with letters "CE" (or "SO") cast in lids. The lids shall be secured with non-ferrous metal screws. Frames shall be jointed to vertical drain pipes. Cleaning eyes shall be encased in unreinforced concrete taken up to ground level and plastered on exposed surfaces

Q.12 INSPECTION EYE MARKER SLABS

Inspection eye marker slabs shall be 350 x 350 x 50mm thick precast concrete finished smooth from the mould, with letters "IE" (or "IO") formed in top and placed flush in ground or paving

Q.13 GULLEYS

Gulleys shall be built up of traps, vertical piping and gulley heads with loose gratings, all encased in unreinforced concrete to finish flush with gulley head top and taken up to at least 50mm above surrounding finished surfaces. The outer top edge of the concrete encasing shall be splayed and the exposed surfaces plastered

Q.14 DISHED GULLEYS

Dished gulleys shall be built up of traps, vertical piping and gulley heads with loose gratings, all encased in unreinforced concrete and with dished unreinforced concrete hopper size 450 x 450mm overall around gulley head with rounded kerb 50mm wide to front and sides and 25mm wide at back, 100mm high above top of dishing and the hopper plastered on exposed surfaces. Top of hopper shall be taken up to at least 50mm above surrounding finished surfaces

Q.15 SUMPS, CATCHPITS, INSPECTION CHAMBERS, ETC

Q.15.1 Rainwater sumps

Rainwater sumps shall be built with half-brick sides on 100mm thick unreinforced concrete bottom, plastered internally on walls and with 80mm high unreinforced concrete kerb at top rebated for grating or cover and plastered on exposed surfaces

Q.15.2 Stormwater catchpits and inspection chambers

Brick catchpits and inspection chambers shall be built with one-brick sides on 150mm thick unreinforced concrete bottom projecting 100mm beyond walls all round, plastered internally on walls and with 100mm thick reinforced concrete cover slab with opening rebated for frame of grating or cover and plastered on exposed surfaces

Precast concrete catchpits and inspection chambers shall be constructed in accordance with the applicable details shown on Drawing LE-1 of SANS 1200LE. Precast concrete manhole sections and slabs shall comply with SANS 1294 and pipes shall be SC type and in accordance with SANS 677

Q.15.3 Sewer inspection chambers

Brick inspection chambers shall be built as for brick stormwater inspection chambers and with the bottom of the chamber well benched around half round channels, bends, junctions, etc up to sides of chamber in unreinforced concrete finished smooth

Precast concrete inspection chambers shall be constructed in accordance with the applicable details shown on Drawing LD-5 of SANS 1200LD. Precast concrete manhole sections and slabs shall comply with SANS 1294 and the pipes shall be SC type in accordance with SANS 677

Q.15.4 Stormwater drain junction boxes

Junction boxes shall be formed of 150mm thick unreinforced concrete bottom and sides to suit the various sizes of the drain pipes and built after the pipes have been laid, with the sides taken up slightly higher than the highest pipe and finished level on top for and covered with a 75mm thick loose precast concrete slab

Q.15.5 Step Irons

Where inspection chambers exceed 1,2m deep, cast iron step irons shall be provided, built into the wall at 300mm centres and staggered regularly in vertical rows spaced at 200mm centres horizontally

Q.16 STOPCOCK AND METER BOXES

Stopcock and meter boxes shall be built with half-brick sides with a cast iron box and lid complying with SANS 558 set in 75mm wide unreinforced concrete kerb for the full depth of the cast iron box and plastered on exposed surfaces

Q.17 VALVE CHAMBERS

Valve chambers shall be built with half-brick sides with 100mm thick unreinforced concrete kerb to top with rebate for cover and frame to finish flush with adjacent paving or finished ground level and plastered on exposed surfaces

Q.18 CAST IRON COVERS, GRATINGS, ETC

All cast iron covers, gratings, frames and surface boxes shall be coated with preservative solution. Frames shall be cast into concrete. Covers, except covers to stormwater drainage or electrical cable inspection chambers, shall be set in grease

Q.19 CONCRETE ENCASING

Concrete encasing for pipes, bends, traps, gulleys, grease traps, etc shall be unreinforced concrete not less than 100mm thick all round

Q.20 SANITARY FITTINGS

Q.20.1 General

Glazed ceramic, acrylic and porcelain enamelled sanitary fittings and component parts shall be white. Accessories for sanitary fittings shall be chromium plated brass

Waste outlets for baths, basins, etc shall comprise chromium plated brass waste union with grating, rubber washers and locknut, fitted with rubber or vulcanite plug on a chromium plated brass chain and stay

Q.20.2 Stainless steel sanitary fittings

Stainless steel sinks and draining boards, basins, wash troughs and urinals shall be AISI Type 304 satin finished stainless steel. All stainless steel fittings shall be treated on the back with a vermin proof sound deadening coating. Sinks, basins and wash troughs shall be provided with 40mm diameter screwed waste outlets

Q.20.3 Precast concrete wash troughs

Reinforced precast concrete wash troughs shall have a sloping front with ribbed rubbing surface and shall be finished smooth on exposed faces with top edges and inner angles rounded. Each compartment shall be fitted with a 40mm diameter waste outlet. Wash troughs shall each be supported on two reinforced precast concrete pedestals finished smooth on exposed faces

Q.20.4 Steel baths

Steel baths shall be porcelain enamelled internally and painted externally and fitted with waste outlet and overflow grating with coupling

Q.20.5 Acrylic resinous baths

Acrylic resinous baths shall be fitted with waste outlet and overflow grating with coupling

Q.20.6 Acrylic resinous wash hand basins

Acrylic resinous wash hand basins and vanity units shall have a smooth high gloss finish, with outlet openings, soap recesses, tap-holes and integral overflow and shall be fitted with waste outlet and overflow grating with coupling

Q.20.7 Glazed ceramic sanitary fittings

Sinks shall be provided with integral weir overflows

Washdown closet pans shall have washdown action and be provided with smooth finished injection moulded polypropylene heavy duty double flap seats fixed with non-ferrous bolts. Urinal channels shall be provided with outlet gratings fitted in bitumen

Q.20.8 Flush and sparge pipes

Flush pipes for high level cisterns shall be of plastic or drawn galvanized steel

Flushpipes for low level cisterns shall be of plastic

Flush and sparge pipes for urinals with high level cisterns shall be of chromium plated copper piping and of the sizes recommended by the manufacturer of the urinal

Q.21 INSTALLATION OF SANITARY FITTINGS

Sanitary fittings shall be installed as follows:

Q.21.1 Precast concrete wash troughs

Precast concrete wash troughs shall be bedded on top of pedestals which shall be bedded on floors in 1:3 cement mortar

Q.21.2 Stainless steel wash troughs and wash hand basins

Stainless steel wash troughs and wash hand basins shall be fixed to walls on a pair of galvanized mild steel gallews brackets bolted to wall with 6mm diameter expanding bolts

Q.21.3 Acrylic resinous wash hand basins

Acrylic resinous wash hand basins shall be fixed to walls on a pair of standard painted cast iron brackets screwed to underside of basin and bolted to wall with 6mm diameter expanding bolts

Q.21.4 Ceramic wash hand basins

Ceramic wash hand basins shall be fixed to walls on a pair of standard painted steel or cast iron brackets bolted to wall with 6mm diameter expanding bolts

Q.21.5 Acrylic resinous baths

Acrylic resinous baths shall be bedded in 1:5 cement mortar on three cross rows of bricks or bedded solid on a layer of dry river sand and fixed to wall with galvanized steel brackets under edges (in the middle of the sides against walls) bolted to wall with 6mm diameter expanding bolts and sealed along top against wall finishes with patent mildew resistant silicone rubber

Q.21.6 Washdown closet pans and cisterns

Washdown closet pans shall be bedded on floors in 1:3 cement mortar. Cisterns shall be fixed to walls with 6mm diameter expanding bolts

Q.21.7 Ceramic urinals

Ceramic stall and slab urinals shall be bedded on floors and against walls in 1:3 cement mortar. Slabs, channels, treads, etc shall be jointed in 1:3 cement mortar and pointed in white cement

Ceramic bowl urinals shall be fixed to walls on standard steel brackets bolted to wall with 6mm diameter expanding bolts. Cisterns shall be fixed to walls on standard brackets bolted to wall with 6mm diameter expanding bolts

Q.21.8 Stainless steel urinals

Stainless steel stall and slab urinals shall be bedded on floors in 1:3 cement mortar and with backs and sides against walls filled in with fine unreinforced concrete. Cisterns shall be fixed as cisterns for ceramic urinals

Q.22 FIRE HOSE REELS

Fire hose reels shall each be fitted with a 30m long hose of internal diameter not less than 19mm with a 4,8mm internal diameter chromium plated brass nozzle

Q.23 FIRE EXTINGUISHERS

All fire extinguishers shall be fully charged

Q.24 TESTS

Sewerage pipe lines, sanitary plumbing including fittings and hot and cold water supply and fire service shall be tested to the approval of the Principal Agent and Local Authority

The Contractor shall provide all testing apparatus, material and labour required for the tests and inspections

R. GLAZING

R.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Glass in building	SANS 50572-1 to 5
Glazing putty for wooden and metal window frames	SANS 680
Silvered glass mirrors for general use	SANS 1236
Safety and security glazing materials for buildings	SANS 1263-1 to 3
Sealing compounds for the building industry, one Component, silicone-rubber based	SANS 1305
The installation of glazing materials in buildings	SANS 10137
Work on glass for glazing	SANS 1817

R.2 PUTTY ETC

Glazing putty shall be Type I for wooden sashes and Type II for steel sashes. Putty for glazing to unpainted hardwood shall be tinted to match the colour of the wood

Back putty shall not exceed 3mm thick. Putty shall not be painted until it has formed a surface crust, and if the putty does not form a surface crust it shall be replaced

Butyl putty shall be used where glass is to be fixed in aluminium sashes with glazing beads

Non-setting compounds shall be used where laminated glass is fixed in sashes with glazing beads

S. PAINTWORK

S.1 MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with the following standards:

Decorative paint for interior use	SANS 515
Decorative high gloss enamel paints	SANS 630
Primers for wood (for external work)	SANS 678
Primers for wood (for internal work)	SANS 678
Zinc phosphate primer for steel	SANS 1319
Undercoats for paints (except emulsion paint)	SANS 681
Aluminium paint	SANS 682
Varnish for interior use	SANS 887
Emulsion paints	SANS 1586

Materials for paintwork shall be delivered to the site in unopened containers and applied in accordance with the manufacturer's instructions. Materials shall be suitable for application to the surfaces concerned. Undercoats shall be as recommended by the manufacturer of the finishing coats

S.2 PREPARATORY WORK

S.2.1 Plastered surfaces etc

Plastered surfaces shall be thoroughly inspected and, if necessary, washed down and brushed in order to remove any traces of efflorescence and allowed to dry completely before any paint finish is applied. Before any paint is applied, holes, cracks and irregularities in plaster and other surfaces shall be filled with a suitable filler and finished smooth. Unfinished concrete surfaces shall have all projections rubbed off and shall be thoroughly cleaned with a spirits-of-salts solution (1 part concentrated spirits-of-salts to 4 parts water)

S.2.2 Metal surfaces

Metal surfaces shall be sanded, where necessary, washed with a suitable cleaning agent and left smooth

Protective coatings applied by manufacturers to galvanized metal surfaces shall be removed with a suitable agent and the surfaces washed down

Rust, grease and defective factory primers on metal surfaces, as well as pitch on cast iron pipes, shall be removed

S.2.3 Wood surfaces

Knots in woodwork shall be treated with knotting. Minor blemishes shall be filled with a suitable filler. Wood surfaces shall be sanded smooth

S.3 APPLICATION OF PAINT

Primers to wood surfaces shall be applied by brush. Primers to other surfaces may be applied by roller with the approval of the Principal Agent. Undercoats and finishing coats may be applied by brush or roller

Paint shall not be sprayed on except in the case of cellulose and other special paints where spray painting is the accepted method of application

Before subsequent coats of paint are applied the previous coat shall be properly dry and shall be sanded down where necessary

S.4 COLOUR SCHEME

A colour scheme comprising colours and the blending of colours approved by the Principal Agent shall be used for the paintwork. The tints of the undercoats shall closely match the finishing coat but nevertheless differ sufficiently to indicate the number of undercoats. Colour samples of the finishing coats shall be provided in all cases

S.5 GENERAL

Paintwork shall include the preparation of surfaces, filling, stopping, sanding and priming of nail heads and screws. Where windows, sashes, etc are to be painted, the rebates of the openings to be glazed shall be primed

T. PAPERHANGING

T.1 PREPARATORY WORK

Plaster surfaces to be papered shall be dry, thoroughly cleaned down, filled with a suitable filler as necessary to obtain a smooth surface and painted thereafter with a single coat of emulsion paint

Wood surfaces to be papered shall be knotted, stopped and sanded

T.2 PAPERHANGING

Wallpaper shall be hung in vertical long lengths. Vertical joints shall be close-fitted and plumb and the paper shall be tightly fitted to skirtings, ceilings, door frames, windows, etc. Horizontal joints will not be allowed

U. EXTERNAL WORKS

U.1 GENERAL

U.1.1 Excavations

Excavations shall be deemed to be in "earth"

U.2 LANDSCAPING

U.2.1 Topsoil

Topsoil shall vary between sandy loamy soil and sandy clayey soil with an ideal composition of 15% to 25% clay, 10% silt/sludge and 65% to 75% sand, with a minimum ratio of organic material of 2%. All material shall be free of harmful deposits as well as unwanted seeds

U.2.2 Compost

Compost shall be composed of properly decayed organic material, free from harmful deposits, salts, seeds and other waste material and shall have a pH of more than 4 and less than 7

U.2.3 Mulch

Mulch shall be approved organic material free from small particles of bark residue, fungus, disease, etc

U.2.4 Lime

Lime shall be agricultural lime of an approved manufacture

U.2.5 Fertilizer

Fertilizer shall be of the type specified, mixed thoroughly into the soil as prescribed. No fertilizer shall be added more than two weeks prior to planting

U.2.6 Backfilling

Backfilling in plant and tree holes shall be composed of two parts topsoil to one part compost mixed thoroughly together and compacted by foot in 100mm layers. Fertilizer shall only be added if prescribed

U.2.7 Pebbles

Pebbles shall be smooth with a uniform colour and form and ranging in size from 50mm to 75mm diameter. Removal of pebbles from river beds shall be done selectively to avoid any major disruption to the ecology of the river and environment

U.2.8 Plant material

U.2.8.1 General

All plant material (plants, shrubs, trees, etc) shall be obtained from a registered nursery and shall be free from damaged parts, parasites, fungus, other plant diseases or insects. No container-bound plants will be acceptable

U.2.8.2 Trees

The height of trees described in the bills of quantities shall be measured from the top of the root ball to the top of the tree. Where trees are pruned, such prune wounds shall not be more than 25mm in diameter and be sealed with an approved sealing compound

U.2.8.3 Shrubs and small plants

Shrubs and small plants shall meet the requirements for height and spread as specified. Thin or sparsely branched plants shall not be accepted. Branches shall be well spread with ample young branches and the plant as a whole shall be growing well

U.2.8.4 Groundcover

Groundcover shall be dense and healthy and shall comply with the minimum requirements for leaf density as specified

Formal grass shall be planted as runners in 50mm deep drills at 150mm centres unless otherwise described

U.2.9 Cultivation and preparation of planting areas etc

All surface rocks and stones larger than 50mm shall be removed before commencing cultivation and preparation. The entire area shall be ripped and rotavated using approved machinery by breaking up the earth to a depth of 300mm at 600mm centres in both directions, unless otherwise described, and then levelled. Where fertilizer or compost is specified, it shall be worked into the topsoil after ripping and rotavation to a depth of 300mm and finished to final levels

All fertilizer to areas to be grassed shall be strewn on the final layer before final finishing is commenced and worked mechanically into the top 150mm soil

U.2.10 Planting procedure

Holes for shrubs and groundcover shall be as follows:

Shrubs – 500 x 500 x 500mm deep

Groundcover – 300 x 300 x 300mm deep (if not planted in drills)

Holes for trees shall be square, of adequate size to accommodate the root system and suitable for the height of the tree

All plant material shall be watered thoroughly before careful removal from the container and planted in the prescribed planting medium with the top of the soil in the container finishing level with the surrounding area. Water dams size 800mm diameter x 150mm deep and 500mm diameter x 150mm deep shall be formed around trees and shrubs respectively and all planting material shall be watered immediately after planting. Trees, shrubs, etc shall be properly staked or stayed, depending on their size, on the prevailing windy side with patent tree ties

U.2.11 Maintenance

All planted areas shall be maintained for a period of three months after practical completion as defined in the contract with the exception of hydroseeded areas which shall be maintained for 12 months after an acceptable cover has been obtained

This maintenance shall consist of keeping clear of weeds and litter, loosening soil where necessary every two weeks, replacing damaged, diseased or dead plants, pruning, cutting and mowing as necessary and watering so as to keep the plant material in a healthy growing condition

U.3 ROADWORK

U.3.1 Filling

Filling under roads etc shall be of inert material having a maximum plasticity index of 10, free from large stones etc spread, levelled, watered and compacted in layers not exceeding 200mm thick to a density of 98% Mod AASHTO

U.3.2 Preparation of sub-grade

The sub-grade shall be prepared by scarifying for a depth of 150mm and compacting to a density of 98% Mod. AASHTO, including trimming to the correct levels and grades

U.3.3 Base course

The base course shall consist of crusher run stone compacted to a density of 98% Mod. AASHTO and finished to the correct levels and grades

U.3.4 Weed killer

The completed sub-grade shall be treated with an approved total weed killer

U.3.5 Bituminous premix road surfacing

Before spreading the premix material, the base course shall be swept clean and free from all dust, dirt and loose particles, lightly wetted and sprayed with a prime coat of cutback bitumen complying with SANS 308 at the rate of 1 litre/m²

The material shall consist of semi-gap graded crushed stone aggregate having the following grading:

Sieve size (mm)	% By mass passing sieve
13,2	100
4,75	45-60
2,36	42-55
1,18	40-52
0,3	25-45
0,075	5-12

The aggregate shall be mixed with bituminous road tar binder complying with SANS 748 at the rate of 1m³ of stone to 120 litre of emulsion at atmospheric temperature

The binder shall be added to the stone and mixed until the stone is uniformly coated. Thereafter 5% of clean, dry quartzitic sand shall be added and mixed until evenly distributed through the mixture

The premix shall be applied only after the primer has dried out completely and shall be spread immediately after mixing and rolled on the same day

Spreading shall be done evenly over the prepared base course to a loose depth sufficient to ensure the consolidated thickness specified

Rolling shall commence as soon as the binder has set sufficiently, followed after three days by a final rolling

U.3.6 Precast concrete block road surfacing

Paving blocks shall be precast concrete blocks complying with SANS 1058

Blocks shall be laid to true levels and grades on and including a 25mm thick layer of river sand with joints exceeding 2mm and not exceeding 6mm wide

After laying, the paving shall be compacted by means of a vibrating plate compactor, with joints between the blocks filled in, after compaction, by sweeping in fine sand

Infill areas at edges of paving constituting less than 25% of a full block unit and of 25mm minimum dimension shall be filled with Class C prescribed mix unreinforced concrete with top surface trowelled smooth to match blocks. Smaller areas shall be filled with 1:4 cement mortar

U.3.7 Precast concrete kerbs and channels

Precast concrete kerbs and channels shall comply with SANS 927, generally in 1m lengths and finished smooth from the mould on exposed surfaces. Kerbs and channels shall be bedded on and jointed in 1:3 cement mortar and pointed with keyed joints. Bases to kerbs shall be Class B prescribed mix unreinforced concrete

U.3.8 Process control tests

The Contractor shall be responsible for carrying out all necessary process control tests on the density and moisture content of the compacted sub-grade, base course, etc to ensure that the required compaction is being attained

U.4 FENCING ETC

U.4.1 Materials

Materials and workmanship shall comply with the following specifications and requirements :

Wooden poles, droppers, guardrail posts and spacer blocks	SANS 457-2&3
Zinc-coated fencing wire	SANS 675
Prefabricated concrete components for fencing	SANS 1372
Chain-link fencing and its wire accessories	SANS 1373

	Fasteners	SANS 1700
	Anti-intruder fences	CKS 451
	Metal droppers and standards	CKS 451
U.4.2	Galvanized wire	
	All galvanized wire shall be zinc coated wire with Class B zinc coating. Straining wire shall be 4mm diameter galvanized mild steel wire. Tie wire shall be 1,6mm diameter galvanized mild steel wire	
U.4.3	Plastic coated wire	
	Plastic coated straining wire shall be 3,15mm diameter Class C galvanized mild steel wire plastic coated to an overall diameter of 3,95mm	
	Plastic coated tie wire shall be 1,8mm diameter Class C galvanized mild steel wire plastic coated to an overall diameter of 2,5mm	
U.4.4	Galvanized barbed wire	
	Galvanized barbed wire shall be 2,5mm diameter mild steel double strand reverse twist zinc coated barbed wire with Class A zinc coating	
U.4.5	Galvanized wire mesh	
	Galvanized wire mesh shall be 50mm mesh chain link netting of 2,5mm diameter Class C galvanized mild steel wire	
U.4.6	Plastic coated wire mesh	
	Plastic coated wire mesh shall be 50mm mesh chain link netting of 2,5mm diameter Class C galvanized mild steel wire plastic coated to an overall diameter of 3,25mm	
U.4.7	Galvanized welded wire mesh	
	Galvanized welded wire mesh shall be fabricated from pre-galvanized wires to rectangular pattern welded together at each intersection using a welding method which forms a zinc oxide protective coating at each intersection	
U.4.8	Razor wire	
	Razor wire shall be fabricated from 2,5mm diameter galvanized high tensile steel wire fitted with razor barbs formed of 0,5mm galvanized steel strip clipped on at 37,5mm centres	
U.4.9	Metal droppers and standards	
	Droppers shall be of ridged T-section mild steel with a mass of not less than 0,55kg/m. Standards shall be of I-section mild steel with a mass of not less than 3kg/m or of ridged edge Y-section mild steel with a mass of not less than 2,5kg/m, and shall be driven 600mm deep into the ground	
	Droppers and standards shall have either galvanized, sprayed metal or painted finish as described in the items and in accordance with CKS 451. In addition, those surfaces of standards embedded in the ground shall be coated with bitumen	
U.4.10	Metal posts and stays	
	Posts and stays shall comply with CKS 451 and shall be of black galvanized mild steel tubing as specified	
	Straining posts shall be of 108mm outside diameter x 3mm wall thickness tubing, each with a 300 x 300 x 5mm thick mild steel sole plate and a steel cap welded on	
	Intermediate posts shall be of 50mm outside diameter x 2,5mm wall thickness tubing, each with a 230 x 230 x 5mm thick mild steel sole plate and a steel cap welded on	
	Stays for straining posts shall be of 50mm outside diameter x 2,5mm wall thickness tubing, each with a 230 x 230 x 5mm thick mild steel sole plate welded on and fixed raking with top end flattened, bent, holed and bolted to straining post with and including a 5mm diameter galvanized mild steel bolt with nut and washer	
	Posts and stays shall have either galvanized or painted finish as described in the items and in accordance with CKS 451. In addition, sole plates and portions of posts and stays embedded in ground shall be coated with bitumen	

U.4.11 Timber posts, stays and droppers

Timber posts shall be 125mm diameter, timber stays shall be 100mm diameter and timber droppers shall be 30mm diameter

U.4.12 Prestressed concrete posts and stays

Prestressed concrete posts and stays shall be finished smooth from the mould and uniformly stressed by means of high tensile longitudinal prestressing wires with concrete cover to wires of not less than 20mm

Corner and straining posts shall be 100 x 100mm and intermediate posts and stays shall be 75 x 75mm. Stays shall be fixed raking with top end splayed and glued to posts with a suitable epoxy compound

U.4.13 Bolts, nuts and washers

Straining eye bolts, hinge bolts, bolts, nuts and washers shall be galvanized

U.4.14 Precast concrete fencing

Precast concrete fencing over sloping terrain shall be stepped to suit terrain, including the use of increased lengths of posts as necessary, excavation, etc

U.4.15 Concrete bases

Bases in ground for posts, stays, etc shall be of Class B prescribed mix concrete with tops 100mm below surface of ground

Sizes of concrete bases for posts, stays, etc shall be as follows:

Straining and gate posts	—	450 x 450 x 700mm deep
Intermediate posts	—	300 x 300 x 600mm deep
Stays	—	600 x 300 x 500mm deep

U.4.16 Security overhangs

Where fencing is described as having a security overhang, the posts and standards shall have angular (single arm) extension arms

Extension arms shall be attached to the posts and standards by welding in the case of steel and by spiking in the case of timber

Concrete extension arms shall be cast integrally with the post or standard

Barbed wire to security overhangs shall be tightly strained and wired at each intersection with extension arms and shall have barbed wire braces at 450mm centres between standards, posts, etc wired onto the barbed wire and the top straining wire

U.4.17 Gates

Gates shall be formed of 40mm outside diameter x 2,5mm wall thickness mild steel tubular framework with welded joints, strongly braced as necessary and filled in with wire mesh as described above, properly strained and securely bound to framework with tie wire



public works

Department:
Public Works
PROVINCE OF KWAZULU-NATALAnnexure 5
Joint Venture Agreement
(March 2004)
(First Edition of CIDB document 1017)**1. PREAMBLE**

This agreement is made and entered into by and between

(allow for additional parties as necessary).

Whereas the foregoing parties have resolved to form a Joint Venture under the title of

(name of Employer)

to the KZN Department of Public Works in respect of the following project:

for (brief description of Contract)

KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI : VELABAHLEKE HIGH SCHOOL : REPAIRS TO DOORS AND WINDOWS

Now it is hereby agreed as follows :

2. DEFINITIONS AND INTERPRETATION**2.1 Definitions**

The following words and expressions shall have the meanings indicated, except where the context otherwise requires. Defined terms and words are, in general, signified in the text of the Agreement by the use of capital initial letters, but the absence of such letters does not necessarily signify that a term, or word, is not defined.

'Agreement' means the agreement between the Members of the Joint Venture and includes this model form of agreement together with the Preamble, Specific Provisions, if any, Schedules 'A', 'B' and 'C' and any relevant Documents prepared prior to the signing of the Agreement and appended thereto.**'Contract'** means the contract with the Employer for the supply of the Deliverables, for the purposes of securing and executing which, the Joint Venture has been formed.**'Deliverables'** means the works and/or services, equipment, materials, goods, etc. to be furnished by the Joint Venture to the Employer in terms of the Contract.**'Document'** means any written, drawn, typed, printed, or photographic material, which relates to the Agreement.**'Employer'** means the person, or body, which is to award the Contract and will employ the Joint Venture if it is awarded the Contract.**'Joint Venture'** means the joint venture formed by the Members in accordance with the Agreement.**'Management Committee'** means the body established in terms of the Agreement to manage all aspects of the work of the Joint Venture in securing and executing the Contract and in meeting the provisions for the Agreement.**'Member'** means a person, or body which, being a party to the Agreement, is a member of the Joint Venture.

'Member's Interest' means the proportion expressed as a percentage, which the total monetary value of all resources provided and contributions made by a Member towards the execution by the Joint Venture of the Contract bears to the total of such values by all Members and, unless otherwise indicated in the Agreement, represents the extent to which the Member participates in the fortunes of the Joint Venture.

'Representative' means the person representing a Member on the Management Committee.

'Schedules' means Schedules 'A', 'B' and 'C' which set out general, financial and other information relating to the Members and the obligations, duties, rights, risks and benefits arising from their participation in the Joint Venture.

'Specific Provisions' means the variations, if any, required to this standard form of agreement for the specific purposes of the Agreement.

2.2 Interpretation

Unless inconsistent with the context, an expression in the Agreement which denotes:

- any gender shall include the other genders
- a natural person shall include a juristic person and vice versa
- the singular shall include the plural and vice versa

2.3 Headings

The headings to clauses of the Agreement shall not be considered part thereof, nor shall the words they contain be taken into account in the interpretation of any clause.

2.4 Law

The Agreement shall be construed in accordance with and governed by the laws of the Republic of South Africa and the English language versions shall prevail.

2.5 Language

English shall be exclusively used by the Members in the preparation of Documents unless otherwise indicated.

2.6 Conflict between Agreement and Contract

Should any provision of the Agreement be in conflict with the terms of the Contract, the Agreement shall be amended to the approval of the Management Committee so as to eliminate the conflict.

3. JOINT VENTURE GENERAL

3.1 Establishment and Purpose

The Joint Venture established by the Members in terms of the Agreement is an unincorporated association with the exclusive purposes of securing and executing the Contract for the benefit of the Members.

3.2 Termination

The operation of the Joint Venture and the validity of the Agreement shall terminate if and when it becomes evident that the Joint Venture will not be awarded the Contract, or, if the Joint Venture secures the Contract, when all obligations and rights of the Joint Venture and the Members in connection with the Contract and the Agreement have ceased and/or been satisfactorily discharged.

Unless otherwise decided by the Management Committee, the Agreement shall not terminate if a Member changes its name, or is taken over by, or merged with, another body.

This agreement will terminate when any one of the Members resigns, are liquidated or opts out of this agreement and the Joint Venture will be in breach of contract with the Employer and their contract could be cancelled.

3.3 Exclusivity

Unless otherwise agreed by the Management Committee, or provided for in the Contract no Member shall engage in any activity related to the Contract other than as a Member of the Joint Venture and Members shall ensure that their subsidiaries and other bodies over which they have control comply with this requirement.

3.4 Participation of Members

Except as may otherwise be stipulated in the Agreement, each Member shall be responsible for all costs incurred by it prior to the date of inception of the Agreement.

Subsequent to the date of inception of the Agreement, each Member shall, participate in the operations, risks, responsibilities and fortunes of the Joint Venture including, inter alia, the provision of funding, sureties, guarantees, insurances, human and other resources and participation in profits and losses to the extents indicated in the Schedules. Participation in any aspect not covered in the Schedules shall, if an agreement cannot be reached between the Members, be to the same extents as indicated by the Members Interests.

3.5 Management

The affairs of the Joint Venture shall be directed and controlled by the Management Committee, as set out in Section 4 hereof.

3.6 Confidentiality

All matters relating to the Agreement and the Contract shall be treated by the Members as confidential and no such matter shall be disclosed to any third party without the prior written approval of the Management Committee.

No Member shall be party to the dissemination of publicity relating to the Contract, or the Agreement, without the prior written approval of the Management Committee and the Employer.

3.7 Assignment

No Member shall cede, assign, or in any other way make over any of its rights, or obligations, under the Agreement without the prior written consent of the Management Committee.

3.8 Subcontracting

No Member shall subcontract any obligation, work or duty for which it is, itself, responsible in terms of the Agreement without the prior written consent of the Management Committee.

3.9 Variations to Agreement

No variation, modification, or waiver of any part of the Agreement shall be of any force, or effect, unless unanimously agreed by the Members and reduced to writing.

3.10 Liability

Each Member warrants that it will indemnify the other Members against all legal liabilities arising out of, or in connection with the performance of its obligations under the Agreement.

It is acknowledged by the Members that they may be held jointly and severally liable in respect of claims against the Joint Venture by the Employer or third parties.

4. **MANAGEMENT OF JOINT VENTURE**4.1 General

The affairs of the Joint Venture shall be directed, controlled and managed by the Management Committee, which, within the terms of the Agreement and the Contract, shall have full authority to bind the Members in all matters relating to the affairs of the Joint Venture.

Communication between the Joint Venture and the Employer, or third parties, relating to the Contract shall be conducted exclusively by the Management Committee, or by such person as it may delegate to perform this function.

The Management Committee shall have the power to appoint a project manager and/or such other persons as it may see fit to appoint for the purpose of executing the Contract and may delegate such of its powers, responsibilities and duties as it may consider necessary, or desirable, to persons or bodies appointed or seconded for this purpose.

Such administrative functions as are necessary to ensure the effective operation of the Management Committee shall be performed by its chairman.

4.2 Management Committee4.2.1 Composition

The Management Committee shall, unless otherwise agreed by all the Members, consist of one Representative of each Member and each Member shall be obliged, at all times, to maintain a Representative on the Management Committee.

Each member shall, not later than three working days after the signing of the Agreement, appoint its Representative and notify the other Members of the name and contact details of the Representative. Such Representative shall have the power to bind the Member that he represents in all matters relating to the execution of the Contract and the performance of the Agreement.

A Member shall be entitled, after giving the other Members not less than three working days written notice of his intention to do so, appoint, remove and/or replace, an alternate who shall, at any meeting of the Management Committee from which the Representative whom he represents is absent, be vested with all rights and powers and subjected to all the obligations of the absent Representative.

The chairman of the Management Committee shall be the Representative of the Member which has the largest Member's Interest. If two, or more, Members have the same, largest Member's Interest, the chairmanship shall rotate between the Representatives of such Members at three monthly intervals, the order of rotation to be determined by ballot.

Notwithstanding the foregoing, the chairmanship of the Management Committee may be determined, or changed, at any time by unanimous decision of the Management Committee.

No remuneration shall be paid by the Joint Venture to Representatives or their alternates for serving on the Management Committee,

4.2.2 Meetings

Meetings of the Management Committee shall take place at such times and places as the Management Committee may determine, provided that the chairman shall convene a meeting of the Management Committee to be held not later than ten working days after he has been requested, in writing, by a Member to do so. Not less than five working days written notice of any meeting of the Management Committee shall be given to all Representatives and their alternates.

The Management Committee may permit, or invite, persons other than Representatives or alternates to attend any of its meetings, but such persons shall not have voting rights.

4.2.3 Decisions

Each Representative shall have one vote on the Management Committee and where, in terms of this clause, a casting vote is required, this shall be exercised by the chairman.

All decisions of the Management Committee shall, desirably, be unanimous. Accordingly, if unanimity cannot, initially, be achieved in regard to a decision, the meeting at which that decision is sought shall be adjourned for a period of 48 hours to enable Representatives to consult with their principals. If, on resumption of the adjourned meeting, unanimity can still not be achieved, the decision, provided it is not one requiring unanimity of the Members, shall be taken by majority vote and, in the event of a tie, the chairman shall exercise a casting vote.

A Member not satisfied with a majority decision of the Management Committee may declare a dispute, to be dealt with in terms of Clause 8 hereof, but the majority decision shall, nevertheless, be implemented with immediate effect.

Decisions of the Management Committee, whether taken at a meeting, or otherwise, shall be recorded in written minutes, which shall be distributed by the chairman to reach the Representatives not later than five working days after those decisions were taken. Such minutes shall be deemed to have been affirmed by the Representatives unless written notice of dissent is received by the chairman not later than three working days after receipt of the minutes by the Representative.

4.2.4 Powers and duties

The functions, responsibilities and powers of the Management Committee shall include, inter alia, those listed below:

- 4.2.4.1 Formulating overall policy in regard to the achievement of the objectives of the Joint Venture.
- 4.2.4.2 Managing the day to day affairs of the Joint Venture.
- 4.2.4.3 Monitoring, directing and co-ordinating the activities of the Members to ensure that the objectives of the Joint Venture are achieved and that the obligations and responsibilities of the individual Members are met.
- 4.2.4.4 Monitoring and controlling the financial affairs of the Joint Venture and ensuring that proper books of account and financial records relating to affairs of the Joint Venture are maintained in an approved form and submitted to the Management Committee for approval at regular intervals, which shall not be longer than one month.
- 4.2.4.5 Determining the necessity for and the details of any changes in the duties and responsibilities of Members provided that any resulting changes in Members' Interests shall be unanimously approved by the Members.
- 4.2.4.6 Determining the terms and conditions of employment of personnel and the emoluments applicable to staff seconded to the Joint Venture by the Members.
- 4.2.4.7 Controlling and approving the appointment of all subcontractors.
- 4.2.4.8 Procuring, after the completion of the Contract and the release of all bonds, guarantees and sureties given in respect of the performances of the Joint Venture and the Members, the preparation and auditing of a final set of accounts, on the basis of which the final profits, or losses, attributable to the individual Members shall be determined and any necessary adjustments effected.

5 RESOURCES OF JOINT VENTURE

The resources to be utilised by the Joint Venture in securing and executing the Contract shall, insofar as these are to be provided directly by the Members, be as set out in the Schedules and may, from time to time, be amended by decision of the Management Committee, provided that the Member's Interests are not, except with the unanimous approval of the Members, affected thereby.

Similarly, specific areas of responsibility of the Members for the performance of work and the provision of facilities shall be as set out in the Schedules and may, from time to time, be amended by decision of the Management Committee, provided that the Members' Interest are not, except with the unanimous approval of the Members, affected thereby.

5.1 Schedule 'A' (General)

Schedule 'A' shall contain general information relating to the Joint Venture including, inter alia, the following :

1. The Employer's name and address.
2. A brief description of the Contract and the Deliverables.
3. The name, physical address, communications addresses and domicilium citandi et executandi of each Member and of the Joint Venture.
4. The Members' Interests.
5. A statement indicating whether, or not, Specific Provisions apply to the Agreement.
6. A schedule of insurance policies which must be taken out by the Joint Venture and by the individual Members.
7. A Schedule of sureties, indemnities and guarantees that must be furnished by the Joint Venture and by the individual Members.
8. Details of the persons, who, in the event of failure by the Members to reach agreement on the appointments of mediator and arbitrator, will nominate appointees to these positions in terms of Clauses 8.2 and 8.3.

5.2 Schedule 'B' (Financial)

Schedule 'B' shall contain information regarding the financial affairs of the Joint Venture including, inter alia, the following :

1. The working capital required by the Joint Venture and the extent to which and manner whereby this will be provided and/or guaranteed by the individual Members from time to time.
2. The banking accounts that are to be opened in the name of the Joint Venture and the manner in which these are to be operated.
3. The rates of interest that will be applicable to amounts by which Members are in debit, or credit, to the Joint Venture.
4. The names of the auditors and others, if any, who will provide auditing and accounting services to the Joint Venture.
5. The intervals at which interim financial accounts and forecasts will be prepared for approval by the Management Committee.
6. Insofar as not covered in Schedule 'C', the basis on which contributions of various types by the Members towards the work of the Joint Venture in securing, executing, managing and satisfactorily completing the Contract, will be valued.
7. The basis on which profits and/or surplus cash will, if available from time to time, be distributed to Members.
8. The basis upon which losses, if any, are to be apportioned to Members.

5.3 Schedule 'C' (Contributions by Members)

Schedule 'C' shall set out the contributions of various types, other than cash, that will be made by the individual Members towards the work and obligations of the Joint Venture and shall, as far as possible, indicate the monetary values to be placed on such contributions, which may include, inter alia, the following :

1. Staff seconded to the Joint Venture.
2. Work carried out and services provided to, or on behalf of, the Joint Venture.
3. Plant, equipment, facilities etc. made available for use by the Joint Venture.
4. Materials and goods supplied to, or on behalf of, the Joint Venture.
5. Licences, sureties, guarantees and indemnities furnished to, or on behalf of, the Joint Venture.
6. Joint Venture Disclosure form required for the Contract.

6. BREACH OF AGREEMENT

If a Member breaches any material provision of the Agreement, or delays or fails to fulfil its obligations in whole, or in part, and does not remedy the situation within fourteen calendar days of receipt of notice from the Management Committee, or another Member, to do so, the other Members shall have the right, without prejudice to any other rights arising from the default, to summarily terminate the Agreement and re-assign the defaulting Member's rights and obligations in the Joint Venture as they see fit and withhold any moneys due to the defaulting member by the Joint Venture.

Each Member shall indemnify the other Members against all losses, costs and claims which may arise against them in the event of the Agreement being terminated as a result of breach of the Agreement by the said Member.

7. INSOLVENCY OF MEMBER

Should a Member be placed in liquidation, or under judicial management, whether provisionally or finally, or propose any compromise with its creditors, the other Members shall be entitled to proceed in terms of Clause 6, as if the Member had breached the Agreement.

8. DISPUTES**8.1 Settlement**

The Members shall negotiate in good faith and make every effort to settle any dispute, or claim, that may arise out of, or relate to, the Agreement.

If agreement cannot be reached, an aggrieved Member shall, if he intends to proceed further in terms of Clause 8.2 hereof, advise all other Members in writing that negotiations have failed and that he intends to refer the matter to mediation in terms of Clause 8.2.

8.2 Mediation

Not earlier than ten working days after having advised the other Members, in terms of Clause 8.1, that negotiations in regard to a dispute have failed, an aggrieved Member may require that the dispute be referred, without legal representation, to mediation by a single mediator.

The mediator shall be selected by agreement between the Members, or, failing such agreement, by the person named for this purpose in Schedule 'A'. The costs of the mediation shall be borne equally by all Members.

The mediator shall convene a hearing of the Members and may hold separate discussions with any Member and shall assist the Members in reaching a mutually acceptable settlement of their differences through means of reconciliation, interpretation, clarification, suggestion and advice. The Members shall record such agreement in writing and thereafter they shall be bound by such agreement.

The mediator is authorised to end the mediation process whenever in his opinion further efforts at mediation would not contribute to a resolution of the dispute between the Members.

8.3 Arbitration

Where a dispute or claim is not resolved by mediation, it shall be referred to arbitration by a single arbitrator to be selected by agreement between the Members or, failing agreement, to be nominated by the person named for this purpose in Schedule 'A'.

The Member requiring referral to arbitration shall notify the other Members, in writing, thereof, not later than thirty calendar days after the mediator has expressed his opinion, failing which the mediator's opinion shall be deemed to have been accepted by all Members and shall be put into effect.

Arbitration shall be conducted in accordance with the provisions of the Arbitration Act No. 42 of 1965, as amended, and in accordance with such procedure as may be agreed by the Members or, failing such agreement, in accordance with the rules for the Conduct of Arbitrations published by the Association of Arbitrators and current at the date that the arbitrator is appointed.

The decisions of the arbitrator shall be final and binding on the Members, shall be carried into immediate effect and, if necessary, be made an order of any court of competent jurisdiction.

9. DOMICILIUM

The Members choose domicilium citandi et executandi for all purposes of and in connection with the Agreement as stated in Schedule 'A'. A Member shall be entitled to change his domicilium from time to time, but such change shall be effective only on receipt of written notice of the change by all other Members.

Member No. 1

Thus done and signed at _____ this _____ day of _____ 20__

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____ As witnesses 2. _____

Member No. 2

Thus done and signed at _____ this _____ day of _____ 20__

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____ As witnesses 2. _____

Member No. 3

Thus done and signed at _____ this _____ day of _____ 20__

For and on behalf of _____ [Company]

by [name] _____ who warrants his authority to do so.

As witnesses 1. _____ As witnesses 2. _____

[Allow for additional parties as necessary].

WAIVER OF CONTRACTOR'S LIEN**DEFINITIONS**

Contractor: _____

Employer: Head: Public Works (Department of Public Works: Province of KwaZulu-Natal)

Agreement: JBCC Minor Works Edition 5.1 - March 2014

Works (description):

**KZN : DEPARTMENT OF EDUCATION : ETHEKWINI REGION : UMLAZI :
SISHOSONKE HIGH SCHOOL : REPAIRS AND RENOVATIONS**

Site: _____

AGREEMENT

The Contractor waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site

Thus done and signed at _____ on _____
[Date]

Name of signatory_____
Capacity of signatory_____
As witness

For and on behalf of the contractor who by
signature hereof warrants authorisation
hereto