



**EASTERN CAPE PROVINCE
DEPARTMENT OF EDUCATION**

REQUEST FOR BID

FOR

**PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE
STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL**

5GB

EMIS NO: 200300399

DISTRICT: AMATHOLE EAST

BID NO: SCMU6-23/24-0001

Consisting of:

Single Volume: The Request for Bid (Returnable) - This document

BIDDER:

CRS NO:

Compiled for:

SUPPLY CHAIN MANAGEMENT
Eastern Cape Department of Education
Steve Tshwete Complex, Zone 6
ZWELITSHA
5608

Website: www.edu.ecprov.gov.za

Compiled by:

SEPTEMBER 2023

PNO:

REQUEST FOR BID

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REQUEST FOR BID

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Part 1: BID PROCEDURE

**T1.1: Request for Bid Notice and Invitation to Bid
(SBD1)**



REQUEST FOR BID NOTICE

DEPARTMENT OF EDUCATION **EASTERN CAPE PROVINCE**

Bidders are hereby invited by DoE for the following contract, relating to the Provision of Generators to EcDoE facilities.

PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL

BID NO: SCMU6-23/24-0001
[CIDB Grade: 5GB Category or Higher]

Principal Agent

Mr Q Msiwa
Tel: (040) 608 4707

Project Leader (DoE)

Mr Q Msiwa
Tel: (040) 608 4707

Availability of Document – Bid document with the necessary terms of reference could be downloaded from the Eastern Cape Department of Education website: www.ecdoe.gov.za as from **Friday, 22 September 2023** to the closing date **Friday, 13 October 2023**.

Completed Request for Bid documents in a sealed envelope endorsed with the project name, request for Bid number and description post to **Bids & Contracts Office, Private Bag X0032, Bhisho, 5605**, or may be deposited in the tender box situated at the Reception area of the **Department of Education, Steve Vukile Tshwete Education Complex, Zone 6, Zwelitsha**, not later than **11h00 on 13 October 2023**.

BRIEFING SESSION – Mandatory Briefing Session will be held at Mxaka Senior Primary School on **Thursday, 28 September 2023 at 10H00**

Bidders shall take note of the following Bid conditions –

- Single Volume to be submitted
- Priced BoQ to be submitted
- Bidders are required to have a CIDB contractor grading designation **5GB** or higher
- JV Agreements with installers and CIDB graded contractors would be acceptable.
- An approved surety will be required
- Penalties for late completion will be enforced
- Late request for Bids will not be accepted
- Letter of Good Standing from the Compensation Fund or FEMA to be submitted with request for Bid
- Failure to complete all supplementary information and the RETURNABLE SCHEDULES could result in the request for Bid being eliminated

- ❑ CIPRO/CIPC Certificate to be submitted with tender
- ❑ Adjudication criteria are as follows:
 - ❑ **80** Points for Price
 - ❑ **20** Points for Specific Goals

Bids with a threshold value up to R50 000 000,00 shall be evaluated on 80/20 principle. Preference points shall be allocated as per below table:

| Preferential goals Historically Disadvantaged individuals | Allocation of Points |
|---|----------------------|
| Historically disadvantaged individuals | 4 |
| Persons with disabilities | 2 |
| Promotion of Youth | 3 |
| Woman Participation | 3 |
| Enterprises located in the Eastern Cape Province | 6 |
| Promotion of Military Veterans | 2 |

1. CLAIMING OF PREFERENCE POINTS

- 1.1. Preference points allocated Historically Disadvantaged individuals may be claimed by Persons who had no franchise in national elections prior to 1983 and 1993.
- 1.2. Preference points allocated for women may be claimed if there is sufficient evidence that such woman has ownership of 51% or more of the enterprise shareholding.
- 1.3. Preference points allocated for persons with disabilities may only be claimed if there is sufficient evidence that such person has ownership of 51% or more of the enterprise shareholding.
- 1.4. Preference points allocated for promotion of youth may only be claimed if there is sufficient evidence that such youth has ownership of 51% or more of the enterprise shareholding.
- 1.5. Preference points for Locality may be allocated for promotion of enterprises located within the Eastern Cape Province may be claimed by submission of proof that the enterprise is located within the borders of Eastern Cape Province. This includes an enterprise whose head office may be situated in another province but has a fully-

fledged branch within Eastern Cape Province. Enterprises located outside the borders of the Eastern Cape Province and who only appoints agents and or commission warehouses in this municipal area are expressly excluded from claiming points for this goal.

1.6. Preference points may be allocated to other RDP goals as follows:

- (a) Promotion of south African owned enterprises
- (b) Promotion of export-oriented production to create jobs
- (c) Creation of new jobs or intensification of labour absorption
- (d) Promotion of enterprises located in the rural areas
- (e) Promotion of enterprises located in specific municipal area for work to be done or service to be rendered in that municipal area.

- Tender validity period is 120 (one hundred and twenty) calendar days.
- Tender Forms (Form C1.1: Form of offer and acceptance) that are incomplete or incorrectly completed will result in elimination of that tender
- An original valid SARS Tax Clearance Certificate/Pin must be submitted with the tender, in order to be considered. Failure for submission of Tax Clearance Certificate will result in elimination of tender. In the case of a JV, each partner must present an original SARS Tax Clearance Certificate.
- Form T2.2r (Compulsory Enterprise Questionnaire) must be completed by all or the tender will be eliminated.
- In case of a joint venture a two compulsory enterprise questionnaire must be submitted.

Telegraphic, telexed or faxed tenders will not be considered. The ECDoE does not bind itself to accepting the lowest tenderer. Tender price offered should not pose a commercial risk to the completion of the project.

The BEE may or may not interview the bidder should it deem it necessary.

Procurement Contact Official

Mr P Nxozana

Tel: (040) 608 4524

pakamile.nxozana@ecdoe.gov.za

Infrastructure Contact Official

Mr Q Msiwa

Tel: (040) 608 4707

qiqile.msiwa@ecdoe.gov.za

PART A INVITATION TO BID

| | | | | | |
|---|--|---------------|--|--|-------|
| YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY) | | | | | |
| BID NO.: | SCMU6-23/24-0001 | CLOSING DATE: | 13 October 2023 | CLOSING TIME: | 11h00 |
| DESCRIPTION | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL | | | | |
| BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS) | | | | | |
| RECEPTION AREA OF THE DEPARTMENT OF EDUCATION, | | | | | |
| STEVE VUKILE TSHWETE EDUCATION COMPLEX, ZONE 6, | | | | | |
| ZWELITSHA | | | | | |
| BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO | | | TECHNICAL ENQUIRIES MAY BE DIRECTED TO: | | |
| CONTACT PERSON | Mr P Nxozana | | CONTACT PERSON | Mr Q Msiwa | |
| TELEPHONE NUMBER | (040) 608 4524 | | TELEPHONE NUMBER | 040 608 4707 | |
| FACSIMILE NUMBER | | | FACSIMILE NUMBER | | |
| E-MAIL ADDRESS | Pakamile.Nxozana@ecdoe.gov.za | | E-MAIL ADDRESS | qigile.msiwa@edu.ecprov.gov.za | |
| SUPPLIER INFORMATION | | | | | |
| NAME OF BIDDER | | | | | |
| POSTAL ADDRESS | | | | | |
| STREET ADDRESS | | | | | |
| TELEPHONE NUMBER | CODE | | NUMBER | | |
| CELLPHONE NUMBER | | | | | |
| FACSIMILE NUMBER | CODE | | NUMBER | | |
| E-MAIL ADDRESS | | | | | |
| VAT REGISTRATION NUMBER | | | | | |
| SUPPLIER COMPLIANCE STATUS | TAX COMPLIANCE SYSTEM PIN: | | OR | CENTRAL SUPPLIER DATABASE No: | MAAA |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE | TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO | | B-BBEE STATUS LEVEL SWORN AFFIDAVIT | [TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| [A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE] | | | | | |
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF] | | ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW] | |
| QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS | | | | | |

**PART B
TERMS AND CONDITIONS FOR BIDDING**

| |
|--|
| 1. BID SUBMISSION: |
| <p>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</p> <p>1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.</p> <p>1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</p> |
| 2. TAX COMPLIANCE REQUIREMENTS |
| <p>2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER’S PROFILE AND TAX STATUS.</p> <p>2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.</p> <p>2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.</p> <p>2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.</p> <p>2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</p> <p>2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”</p> |

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

T1.2 Request for Bid Data

T1.2: REQUEST FOR BID DATA

| | | | |
|--------------------------|---|------------------------|------------------------|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL | | |
| Bid No: | SCMU6-23/24-0001 | | |
| Advertising date: | 22 September 2023 | Closing date: | 13 October 2023 |
| Closing time: | 11h00 | Validity period | 120 Days |

| Clause number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|-----------------------|-------------------------|-----------------------|--------|--|-----------------------|--------|------------------------------|-----------------------|--------|--|-----------------------|--------|---|-----------------------|--------|--|----------------------|--------|--------------------|----------------------|--------|--|----------------------|--------|--|----------------------|--------|-------------------------------|----------------------|---------|-------------------------------------|-----------------------|
| | <p>The conditions of Request for Bid applicable to this contract are the Standard Conditions of Tender as contained in Annexure C of the CIDB Standard for Uniformity in Construction Procurement (August 2019) as published in Government Gazette No. 42622, Department of Public Works Notice 423.</p> <p>The Standard Conditions of Bid make several references to the Bid Data for details that apply specifically to this Bid. The Bid Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of Bid.</p> <p>Each item of data given below is cross-referenced to the clause in the Standard Conditions of Bid to which it mainly applies.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.1.2 | The employer is the Eastern Cape Province Department of Education | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.1.3.1 | <p>The Request for Bid documents issued by the employer comprise:</p> <p>THE REQUEST FOR BID (SINGLE VOLUME) Part 1: Bidding Procedure T1.1 Request for Bid Notice and Invitation to Bid (SBD1) T1.2 Request for Bid Data</p> <p>Part 2: Agreement and Contract Data C1.1 Form of Offer and Acceptance C1.1a Final Summary of Bills of Quantities (C2.2) C1.1b Standard Conditions of Tender C1.2 Contract Data C1.3 Form of Guarantee</p> <p>Part 3: Returnable Schedules/Documents T2.1 List of Returnable Documents T2.2 Returnable Documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">SBD4</td> <td style="width: 65%;">Declaration of interest</td> <td style="width: 20%;">Mandatory Requirement</td> </tr> <tr> <td>SBD6.1</td> <td>Preference points claim form in terms of Preferential Procurement Regulations 2022</td> <td>Mandatory Requirement</td> </tr> <tr> <td>SBD6.2</td> <td>Local production and content</td> <td>Mandatory Requirement</td> </tr> <tr> <td>T2.2.1</td> <td>Certificate of authority for signatory</td> <td>Mandatory Requirement</td> </tr> <tr> <td>T2.2.2</td> <td>Certificate of authority for joint ventures</td> <td>Mandatory Requirement</td> </tr> <tr> <td>T2.2.5</td> <td>Record of addenda to Request for Bid documents</td> <td>Additional documents</td> </tr> <tr> <td>T2.2.6</td> <td>Capacity of Bidder</td> <td>Additional documents</td> </tr> <tr> <td>T2.2.7</td> <td>Relevant project experience - completed projects</td> <td>Additional documents</td> </tr> <tr> <td>T2.2.8</td> <td>Relevant project experience - current projects</td> <td>Additional documents</td> </tr> <tr> <td>T2.2.9</td> <td>Schedule of plant & equipment</td> <td>Additional documents</td> </tr> <tr> <td>T2.2.10</td> <td>Compulsory enterprise questionnaire</td> <td>Mandatory Requirement</td> </tr> </table> | SBD4 | Declaration of interest | Mandatory Requirement | SBD6.1 | Preference points claim form in terms of Preferential Procurement Regulations 2022 | Mandatory Requirement | SBD6.2 | Local production and content | Mandatory Requirement | T2.2.1 | Certificate of authority for signatory | Mandatory Requirement | T2.2.2 | Certificate of authority for joint ventures | Mandatory Requirement | T2.2.5 | Record of addenda to Request for Bid documents | Additional documents | T2.2.6 | Capacity of Bidder | Additional documents | T2.2.7 | Relevant project experience - completed projects | Additional documents | T2.2.8 | Relevant project experience - current projects | Additional documents | T2.2.9 | Schedule of plant & equipment | Additional documents | T2.2.10 | Compulsory enterprise questionnaire | Mandatory Requirement |
| SBD4 | Declaration of interest | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBD6.1 | Preference points claim form in terms of Preferential Procurement Regulations 2022 | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SBD6.2 | Local production and content | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.1 | Certificate of authority for signatory | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.2 | Certificate of authority for joint ventures | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.5 | Record of addenda to Request for Bid documents | Additional documents | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.6 | Capacity of Bidder | Additional documents | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.7 | Relevant project experience - completed projects | Additional documents | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.8 | Relevant project experience - current projects | Additional documents | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.9 | Schedule of plant & equipment | Additional documents | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2.2.10 | Compulsory enterprise questionnaire | Mandatory Requirement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | T2.2.11 | CIDB grading certificate | Mandatory Requirement |
| | T2.2.12 | Other certificates (certified copies to be inserted by Bidder), etc | Mandatory Requirement |
| | | <ul style="list-style-type: none"> • Certified copy of CIPC company registration certificate • Certified copies of ID's of shareholders, members, partners or sole owner • Letter of Good Standing from Bank where Bidder's primary transaction account is • Letter of Good Standing from Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 • CSD Registration Summary Report dated not more than thirty (30) days prior to the Request for Bid closing date. • Original valid SARS tax clearance certificate and pin | Mandatory Requirement |
| | T2.2.13 | Completed project reference forms | Additional documents |
| | | <ul style="list-style-type: none"> • Priced BoQ | Mandatory Requirement |
| | | | |
| | | | |
| | | | |
| | | | |
| | <p>THE CONTRACT</p> <p>Part 4: Scope of Work</p> <p>C3.1 Scope of work</p> <p>C3.2 Health and Safety Specification</p> <p>C3.4 Contractors Reports</p> <p>Part 5: Pricing data</p> <p>C2.1 Pricing instructions</p> <p>C2.2 Preliminaries / Bill of Quantities / Final Summary</p> <p>Part 6: Site information</p> <p>C4 Site information</p> <p>C5 Drawings</p> | | |
| C.1.4 | The employer's agent is: | | |
| | Name: | Q Msiwa (Eastern Cape Province Department of Education) | |
| | Capacity: | Principal Agent | |
| | Address: | Steve Tshwete Building | |
| | Tel: | (040) 608 4707 | |
| | Fax: | | |
| | E-mail: | qiqile.msiwa@ecdoe.gov.za | |
| C.2.1 | <p>Only those Bidders who satisfy the following eligibility criteria should submit Request for Bids:</p> <ol style="list-style-type: none"> 1. Submit an offer only if the Bidder satisfies the criteria stated in the Request for Bid data and the Bidder, or any of his principals, is not under any restriction to do business with the employer. 2. The Bidder is registered with the CIDB, in a 5GB or higher class of construction work. 3. The Bidder is registered on the National Treasury Central Supplier Data Base (https://secure.csd.gov.za) 4. The Bidder accepts that documents that have correction fluid on them will be deemed non-responsive and the documents must remain intact. | | |

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| | 5. Bidders adhere to the pre-qualification criteria stated in the Request for Bid document, if any. |
| C.2.1 | <p>Joint ventures are eligible to submit Bids provided that:</p> <ol style="list-style-type: none"> 1. Every member of the joint venture must be registered with the CIDB in the General Building (GB) class of work. 2. The combined contractor grading designation of the members calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum bid for a 5GB or Higher class of construction work. 3. The members/parties have signed a joint venture agreement. |
| C.2.7 | <p>The arrangements for the compulsory clarification meeting, if any, are as stated in the Request for Bid Notice (T1.1).</p> <p>A Request for Bid will not be considered if the Bidder or their representative has not attended the compulsory briefing session.</p> <p>Bidders must sign the attendance register in the name of the bidding entity.</p> <p>Addenda will be issued to and Request for Bids will be received only from those bidding entities appearing on the attendance register.</p> <p>Request for Bid documents will not be issued at the clarification meeting.</p> |
| C.2.8 | Request clarification at least 3 calendar days before the closing time. |
| C2.11 | All documents must be completed and signed in black permanent ink. No correction fluid must be used in the document. Incomplete bid responses may be disqualified or evaluated solely on the information contained in the bid. The ECDoE may disregard any content in the Request for Bid that is illegible and will be under no obligation whatsoever to seek clarification from the bidder. |
| C.2.12 | <p>If a Bidder wishes to submit an alternative Request for Bid offer, the only criteria permitted for such alternative Request for Bid offer is that it demonstrably satisfies the employer's standards and requirements, the details of which may be obtained from the Employer's Agent.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative Request for Bid offer to enable the employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative Request for Bid offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the Bidder, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount bid for the alternative offer to cover the employer's costs of confirming the acceptability of the detailed design before it is constructed.</p> <p>Alternative Bid offer permitted: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> |
| C.2.13 C.2.15 | The employer's address for delivery of Request for Bid offers and identification details to be shown on each Request for Bid offer package are as per Request for Bid Notice (T1.1) and Invitation to Bid (SBD 1) |

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|----------|---|
| C.2.13.5 | Request for Bid offers shall be submitted as originals only. |
| C.2.13.6 | A two-envelope system is not required. |
| C.2.13.9 | Telephonic, telegraphic, telex, facsimile, emailed, electronic copy or late offers will not be accepted. |
| C.2.15 | The closing time for submission of Request for Bid offers is as per the Request for Bid Notice (T1.1) and the Invitation to Bid (SBD 1). |
| C.2.16 | The Request for Bid offer validity period is as per the Request for Bid Notice (T1.1) and the Invitation to Bid (SBD 1). |
| C.2.17 | Provide clarification of the Request for Bid offer in response to do so from the employer during the evaluation of Request for Bid 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 Bidders or substance of the Request for Bid offer is sought, offered, or permitted. |
| C.2.22 | Not a requirement |
| C.2.23 | Refer to Parts 1, 2 & 3 for certificates and other documents to be submitted with the Request for Bid. |
| C.3.4 | The time and location for opening of the Request for Bid offers are as per the Request for Bid Notice (T1.1). |
| C.3.11 | <p>Financial Offer and Preference will be evaluated as follows:</p> <p>The 80/20 preference point system will be applicable with 80 points allocated to Price and 20 points towards Specific Goals status level of contribution.</p> <p>The score for price is calculated using the following formula:</p> $P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$ <p>Where:</p> <p>Ps = Points scored for price of bid under consideration;</p> <p>Pt = Price of bid under consideration and</p> <p>Pmin = Price of lowest acceptable bid.</p> <p>A trust, consortium or joint venture will qualify for points for their Specific Goals.</p> |
| C.3.11 | |
| C.3.13 | <p>Request for Bid offers will only be accepted if:</p> <ol style="list-style-type: none"> 1. The Bidder or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; 2. The Bidder has not: <ol style="list-style-type: none"> a. Abused the Employer's Supply Chain Management System; or |

| | |
|--------|--|
| | <p>b. Failed to perform on any previous contract and has been given a written notice to this effect;</p> <p>3. The Bidder has completed the compulsory declarations and there are no conflicts of interest, which may impact on the Bidder's ability to perform the contract in the best interests of the employer or potentially compromise the Request for Bid process;</p> <p>4. The Bidder has registered on the Centralized Supplier Database (CSD) prior to submitting Request for Bids (open Request for Bids). Any prospective Bidder found to have tax matters not in order with SARS during the evaluation process will be eliminated and not be considered further;</p> <p>5. The Bidder is registered with the Construction Industry Development Board in an appropriate contractor grading designation;</p> <p>The Bidder is in good standing with the Compensation Fund.</p> |
| C.3.17 | <p>The number of paper copies of the signed contract to be provided by the employer is 1 (one) copy of the signed contract to the successful Bidder.</p> |

T1.3 BID EVALUATION CRITERIA

T1.3: BID EVALUATION CRITERIA

| | | | |
|--------------------------|---|------------------------|------------------------|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL | | |
| Bid No: | SCMU6-23/24-0001 | | |
| Advertising date: | 22 September 2023 | Closing date: | 13 October 2023 |
| Closing time: | 12h00 | Validity period | 120 Days |

| BID EVALUATION CRITERIA | | |
|---|---|-----------------------|
| <p>This Bid will be evaluated in two stages that is admin compliance and price and preference compliance.</p> <p>Failure to submit the following completed and signed compulsory documents will result in elimination of the bid documents.</p> | | |
| SBD4 | Declaration of interest | Mandatory Requirement |
| SBD6.1 | Preference points claim form in terms of Preferential Procurement Regulations 2022 | Mandatory Requirement |
| SBD6.2 | Local production and content | Mandatory Requirement |
| T2.2.1 | Certificate of authority for signatory | Mandatory Requirement |
| T2.2.2 | Certificate of authority for joint ventures | Mandatory Requirement |
| T2.2.10 | Compulsory enterprise questionnaire | Mandatory Requirement |
| T2.2.11 | CIDB grading certificate | Mandatory Requirement |
| T2.2.12 | Other certificates (certified copies to be inserted by Bidder), etc | Mandatory Requirement |
| | <ul style="list-style-type: none"> • Certified copy of CIPC company registration certificate • Certified copies of ID's of shareholders, members, partners or sole owner • Letter of Good Standing from Bank where Bidder's primary transaction account is • Letter of Good Standing from Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 • CSD Registration Summary Report dated not more than thirty (30) days prior to the Request for Bid closing date. • Original valid SARS tax clearance certificate and pin | Mandatory Requirement |
| | Priced BoQ | Mandatory Requirement |

Part 2: AGREEMENT AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

C1.1: FORM OF OFFER AND ACCEPTANCE

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

OFFER

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

PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL

The Bidder, identified in the offer signature block, has examined the documents listed in the Request for Bid data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of Request for Bid.

By the representative of the Bidder, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Bidder 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

.....
Rand (in words);

R(in figures)

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 Bidder before the end of the period of validity stated in the Request for Bid data, whereupon the Bidder becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s)

Name(s)

Capacity

for the Bidder

.....
 (Name and address of organization)

Name and signature of witness Date

ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the Bidder's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Bidder's offer shall form an agreement between the employer and the Bidder upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1 Agreements 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 Request for Bid 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 Bidder 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 Bidder shall within 2 (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 Bidder receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the Bidder (now contractor) within 5 (five) working days of the date of such receipt notifies the employer in writing of any reason why he 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

.....
(Name and address of organization)

Name and signature of witness Date

Schedule of Deviations

Notes:

1. *The extent of deviations from the Request for Bid documents issued by the employer before the Request for Bid closing date is limited to those permitted in terms of the conditions of Request for Bid.*
2. *A Bidder'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 Request for Bid 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 Request for Bid 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 Bidder agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Request for Bid data and addenda thereto as listed in the Request for Bid schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Bidder 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 Request for Bid/ Bid documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

C1.1a

Final Summary of Bills of Quantities

| Section No | <u>FINAL SUMMARY</u> | Page No | Amount |
|------------|---|---------|--------------|
| 1 | PRELIMINARIES | 34 | |
| 2 | GRADE R ABLUTIONS | 78 | |
| 3 | RENOVATIONS TO ADMIN AND ABLUTIONS | 128 | |
| 4 | ALTERNATIVE BUILDING TECNOLOGIES | 132 | |
| 5 | EXTERNAL WORKS | 153 | |
| 6 | PROVISIONAL SUMS | 154 | |
| | <u>CONTINGENCIES</u> | | |
| | Allow the sum of R400,000.00 (Four Hundred Thousand Rand) for Contingencies to be used or deducted in full at the Principal Agent's discretion. | | R 400,000.00 |
| | Sub Total | | R |
| | Add Value Added Tax at the rate of 15% | | R |
| | Carried to Form of Tender | | R |

C1.1b Standard Conditions of Tender

CIDB Standard Conditions of Tender (August 2019 Edition)

(As contained in Annexure C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts in Board Notice 423 of 2019 in Government Gazette No 42622 of 8 August 2019)

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 C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, 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. Bidders 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 at the start of any deliberations relating to 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 a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

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 fulfill 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 readily read, copied and recorded. Communications 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 specified in the 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 advertised

C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.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 require that the competitive negotiation procedure is to be followed, Bidders 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 Bidders who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of Bidders shall not apply.

C.1.6.2.2 All responsive Bidders or at least a minimum of not less than three responsive Bidders that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, Bidders shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Bidders 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 Bidders 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

Bidders 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.

C.1.6.3.2 Option 2

C.1.6.3.2.1 Bidders shall submit in the first stage only technical proposals. The employer shall invite all responsive Bidders 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 any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

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 in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

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 for the purpose of preparing and submitting a tender offer in response to the invitation.

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 extension to the closing time stated in the tender data, in order to take the addenda into account.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which Bidders may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

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 closing time stated in the tender data.

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 fourteen (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 the requirements of the tender documents with the alternative requirements that are proposed.

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 a single tendering entity or as a member in a joint venture to provide the whole of the works 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 Bidders 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 in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope 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.2.13.7 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 stated in C.2.16 lapses before the employer evaluating tender, 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 Bidders 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 employer's 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 twenty-eight (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 requests 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 Bidders 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 any of the collective or individual qualifying requirements;
- 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 prequalification process.

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) working days before the

tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all Bidders who collected tender documents.

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 submission to obtain a forwarding address), to the tenderer concerned.

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 Bidders' 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 Specific Goals 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 Bidders' 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 functionality of the technical proposals offered by Bidders, then advise Bidders 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 Bidders, 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 Specific Goals status level. Return unopened financial proposals to Bidders whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to Bidders, 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 tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

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 Bidders 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 C.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 item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; 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.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

| 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. |

The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether or not tender offers are complete
- c) Determine whether or not tender offers are responsive
- d) Evaluate tender offers
- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

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 certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept the 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 the employer's procurement;
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, 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 No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business 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 as part of 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 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 works 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 possible 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 Bidders for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of Bidders or might prejudice fair competition between Bidders.

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C1.2 Contract Data

**C1.2 : CONTRACT DATA : JBCC 2000 PRINCIPAL BUILDING AGREEMENT
(Edition 4.1 of March 2005)**

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

| | |
|--|---|
| | <p>The Conditions of Contract are clauses 1 to 42 of the JBCC series 2000 Principal Building Agreement (Edition 4.1 of March 2005) prepared by the Joint Building Contracts Committee.</p> <p>Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors, Master Builders Association, South African Association of Consulting Engineers, South African Institute of Architects, Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.</p> |
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| | <p>CONTRACT VARIABLES</p> <p>THE SCHEDULE</p> <p>The schedule contains all the variables referred to in this document and is divided into part 1: contract data completed by the employer and part 2: contract data completed by the contractor. Part 1 must be completed in full and included in the Bidder documents. Both part 1 and part 2 form part of this agreement.</p> <p>Spaces requiring information must be filled in, shown as “not applicable” or deleted but not left blank. Where choices are offered, the non-applicable 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.</p> |
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| 42.0 | PART 1: CONTRACT DATA PROVIDED BY THE EMPLOYER |
|-------------|---|

| | |
|---------------|---|
| 42.1 | CONTRACTING AND OTHER PARTIES |
| 42.1.1 | <p>Employer: Eastern Cape Province Department of Education</p> <p>Postal address: Private Bag X0032 BHISHO 5605</p> <p>Tel: 040 608 4335 Fax: 040 – 602 7272</p> <p>Physical address: Steve Tshwete Building Zone 6 Zwelitsha</p> |
| [1.2] | |

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| 42.1.2 [1.1, 5.1] | Principal Agent: TBC Tel: Fax: |
| 42.1.3 [1.1, 5.2] | Agent (1) - TBC Agent's service: Postal address: Tel: Fax: |
| 42.1.4 [1.1, 5.2] | Agent (2) - TBC Agent's service: Postal address: Tel: Fax: |
| 42.1.5 [1.1, 5.2] | Agent (3) - TBC Agent's service: Postal address: Tel: Fax: |
| 42.1.6 [1.1, 5.2] | Agent (4) - TBC Agent's service: Postal address: Tel: Fax: |
| 42.2 | CONTRACT DETAILS |
| 42.2.1 [1.1] | Works description: Refer to document C3.1 – Scope of Work. |
| 42.2.2 [1.1] | Site description: Refer to document C4 – Site Information. |
| 42.2.4 [41.0] | Specific options that are applicable to a State organ only Where so : |
| [31.1 #] [31.11.2 #] [31.12.2#] [11.2.#] | 1) Interest rate legislation: (a) in respect of interest owed by the employer , the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed to the employer , the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply |

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| <p>[31.4.2 #]</p> <p>[40.2.2.#]</p> <p>[26.1.2 #]</p> | <p>2) Lateral support insurance to be effected by the contractor:</p> <p>3) Payment will be made for materials and goods on site: Under no circumstance will deposits due by the contractor to any supplier or subcontractor for materials or equipment be paid prior to the delivery to site thereof, after which it will be regarded as materials and goods on site.</p> <p>4) Dispute resolution by adjudication:</p> <p>5) Extended defects liability period is applicable to the following elements:</p> <ul style="list-style-type: none"> - all civil works such as roads, parking areas, stormwater & soil drainage - all work done under electrical subcontracts - all work done under mechanical subcontracts | <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
| <p>42.2.6 [15.3]</p> | <p>Period for the commencement of the works after the contractor takes possession of the site: Five (5) working days.</p> | |
| <p>42.2.7 [24.3.1] [30.1]</p> | <p>For the works as a whole: The date for practical completion shall be SIX (6) Months (including statutory holidays, but excluding the annual builders' shutdown period) from the date that possession of the site is given to the contractor and the penalty per calendar day shall be 5.75c per R100 of the contract value.</p> | |
| <p>42.2.9 [1.2]</p> | <p>The law applicable to this agreement shall be that of the: Republic of South Africa</p> | |
| <p>42.3</p> | <p>INSURANCES</p> | |
| <p>42.3.1 [10.1 #, 10.2 #, 12.1 #]</p> | <p>Contract works insurance to be effected by the contractor</p> <p><input checked="" type="checkbox"/> To the minimum value of the contract sum plus 20%</p> <p>With a deductible not exceeding 5% of each and every claim</p> | |
| <p>42.3.2 [10.1#, 10.2 #, 12.1 #]</p> | <p>Supplementary insurance is required: Yes</p> <p>To the minimum value of the contract sum plus 20 %</p> | |
| <p>42.3.3 [11.1#, 12.1 #]</p> | <p>Public liability insurance to be effected by the contractor</p> <p><input checked="" type="checkbox"/> For the sum of R 5 million</p> <p>With a deductible not exceeding 5% of each and every claim</p> | |
| <p>42.3.4 [11.2 #, 12.1 #]</p> | <p>Support insurance to be effected by the contractor:</p> <p>Not Applicable</p> | |
| <p>42.4</p> | <p>DOCUMENTS</p> | |
| <p>42.4.2 [3.7]</p> | <p>Three (3) copies of the construction documents will be supplied to the contractor free of charge</p> | |
| <p>42.4.3</p> | <p>Bills of quantities / Lump sum document schedule of rates drawn up in accordance with: Standard System of Measuring Building Work (seventh edition as amended)</p> | |
| <p>42.4.4 [15.1.1]</p> | <p>The priced bills of quantities shall be submitted with the Request for Bid submission : Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> | |

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| 42.4.5 [3.4] | JBCC Engineering General Conditions are to be included in the contract documents: No |
| 42.4.6 [31.5.3] [32.13] | <p>The contract value is to be adjusted using CPAP indices: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Where CPAP is applicable, the contract sum will be adjusted in accordance with the JBCC Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as prepared by the JBCC Series 2000, code 2118, dated May 2005 and any amendments thereto:</p> <ol style="list-style-type: none"> 1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated otherwise in the bills of quantities 2) All electrical installations in buildings and power distribution systems shall be adjusted in terms of the index for Work Group 160 Electrical Installation. In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be in accordance with Work Group 170 3) With reference to Work Group 190 a proportion of the value related preliminaries pro rata to the amount of work excluded from adjustment, shall be excluded from Contract Price Adjustment Provisions, if Option A has been selected for the adjustment of preliminaries 4) Further to clause 3.4.4 of the CPAP Indices Application Manual, the listing of additional items for exclusion by Bidders, will not be permitted 5) Where V results in a negative amount after application of the formula in clause 8.3 of the CPAP Indices Application Manual the factor of 0,55 shall be substituted by 1,45 <p>Alternative Indices: Not Applicable</p> |
| 42.4.7 [3.10] | <p>Details of changes made to the provisions of JBCC standard documentation</p> <p>Clause 1.1</p> <p>COMMENCEMENT DATE – means the date that the agreement, made in terms of the Offer and Acceptance, comes into effect.</p> <p>CONSTRUCTION GUARANTEE – means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer’s construction guarantee form as selected in the schedule.</p> <p>CONSTRUCTION PERIOD – means the period commencing on the date that possession of the site is given to the contractor and ending on the date of practical completion.</p> <p>CORRUPT PRACTICE – means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>FRAUDULENT PRACTICE – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any Bidder, and includes collusive practice among Bidders (prior to and after the Bidder submission) designed to establish Bidder prices at artificial non-competitive levels and to deprive the Bidder of the benefits of free and open competition.</p> <p>INTEREST – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:</p> <p>(a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and</p> |

(b) in respect of interest owed to the **employer**, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply

SECURITY – means the form of **security** provided by the **employer** or **contractor**, as stated in the **schedule**, from which the **contractor** or **employer** may recover expenses or loss.

1.6 Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been given when:

1.6.4 No clause

3.2.1 A **construction guarantee** in terms of 14.0, where so elected in his Bid.

3.7 Add at the end thereof:

The **contractor** shall supply and keep a copy of the **JBCC** Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the **site**, to which the **employer**, **principal agent** and **agents** shall have access to at all times.

3.10 Replace the second reference to “**principal agent**” with the word “**employer**”

4.3 No clause

5.1.2 under clause 41- Include reference to 32.6.3; 34.3 and 34.4 in terms of which the employer has retained its authority and has not given a mandate to the **principal agent** and in terms of which the employer shall sign all documents

10.5 Add the following as 10.5

Damage to the works

- a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and **security** measures and other steps for the protection and **security** of the **works** as the **contractor** may deem necessary
- b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Add the following as 10.6

Injury to Persons or loss of or damage to Properties

- a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

- b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable
- c) The **contractor** shall upon receiving a contract instruction from the **principal agent** cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**.
- d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**.
- e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor**, shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 Add the following as 10.7

HIGH RISK INSURANCE

In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the **commencement date** of the **works** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and **security** measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor’s** own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

- The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract
- 10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty one (21) calendar days of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so
- 10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole
- 14.0 Replace the entire clause 14.0 with the following:
- 14.0 **SECURITY**
- 14.1 In respect of contracts with a **contract sum** up to R1 million, the **security** to be submitted by the **contractor** to the **employer** will be as a payment reduction of five percent (5%) of the value certified in the **payment certificate** (excluding VAT)
- 14.1.1 The payment reduction of the value certified in a **payment certificate** shall be mutatis mutandi in terms of 31.8(A)
- 14.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction **security** or portions thereof to the **contractor**
- 14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such **security** shall be provided to the **employer** within fourteen (14) calendar days from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within fourteen (14) calendar days from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected.
- 14.3 Where the **security** as a cash deposit of ten percent (10%) of the **contract sum** (excluding VAT) has been selected:
- 14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten percent (10%) of the **contract sum** (excluding VAT) within fourteen (14) calendar days from **commencement date**

- 14.3.2 Within fourteen (14) calendar days of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three percent (3%) of the contract value (excluding VAT), and refund the balance to the **contractor**
- 14.3.3 Within fourteen (14) calendar days of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one percent (1%) of the contract value (excluding VAT) and refund the balance to the **contractor**
- 14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**
- 14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**
- 14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party
- 14.4 Where **security** as a variable **construction guarantee** of ten percent (10%) of the **contract sum** (excluding VAT) has been selected: **NOT APPLICABLE**
- 14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten percent (10%) of the **contract sum** (excluding VAT) within fourteen (14) calendar days from **commencement date**
- 14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction guarantee** form included in the invitation to Bidder
- 14.4.3 The **employer** shall return the variable **construction guarantee** to the **contractor** within fourteen (14) calendar days of it expiring
- 14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**
- 14.5 Where **security** as a fixed **construction guarantee** of five percent (5%) of the **contract sum** (excluding VAT) and a five percent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:
- 14.5.1 The **contractor** shall furnish a fixed **construction guarantee** to the **employer** equal in value to five percent (5%) of the **contract sum** (excluding VAT) within fourteen (14) calendar days from **commencement date**
- 14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of the last **certificate of practical completion**
- 14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) calendar days of it expiring
- 14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8(A) and 34.8
- 14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both
- 14.6 Where **security** as a cash deposit of five percent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five percent (5%) of the value certified

in the **payment certificate** (excluding VAT) has been selected:

- 14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five percent (5%) of the **contract sum** (excluding VAT) within fourteen (14) calendar days from **commencement date**
- 14.6.2 Within twenty-one (21) calendar days of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**
- 14.6.3 The payment reduction of the value certified in a **payment certificate** shall be mutatis mutandi in terms of 31.8(A)
- 14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both
- 14.7 Where **security** as a payment reduction of ten percent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:
- 14.7.1 The payment reduction of the value certified in a **payment certificate** shall be mutatis mutandi in terms of 31.8(B)
- 14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**
- 14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this agreement
- 14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2 the **employer**, in his sole discretion, and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten percent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT),
- whereafter 14.7 shall be applicable
- 15.1.1 No clause
- 15.1.4 Add 15.1.4 as follows:
- An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) calendar days of **commencement date**.
- The abovementioned plan shall also address all additional requirements with regard to the
- Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines as an additional safe work procedure on site.
- 15.2.1 Under 41: Amend to read as follows:
- "Give the **contractor** possession of the site within five (5) working days of the **contractor** complying with the terms of 15.1.2 and 15.1.4
- 17.1.11 Delete the words "and the appointment of **nominated** and **selected subcontractors**"
- 20.1.3 No clause
- 21.0 No clause

- 29.2.5 No clause
- 31.5.2 Security adjustments in terms of 14.0 and 31.8
- 31.1.4 Add 15.1.4 as follows:
- 31.6 The value of materials and goods in terms of 31.4.2 shall be included in the value certified only where, to the satisfaction of the principal agent, the materials and goods are:
- 31.6.5 Add 31.6.5 as follows:
Covered by an advance payment guarantee or such other security as may be accepted by the employer where stored off the site. Standard JBCC Guarantee wording would be applicable.
- 31.8 Amend as follows:
- 31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and of the **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:
- 31.8(A).1 Ninety-five percent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**
- 31.8(A).2 Ninety-seven percent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**
- 31.8(A).3 Ninety-nine percent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6
- 31.8(A).4 One hundred percent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**.
- 31.8(B) Where **security** is a payment reduction in term of 14.7 has been selected the value of the **works** in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:
- 31.8(B).1 Ninety percent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**
- 31.8(B).2 Ninety-seven percent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**
- 31.8(B).3 Ninety-nine percent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6
- 31.8(B).4 One hundred percent (100%) of such value in the final **payment certificate** in terms of 34.6 except were the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**
- 31.9 Replace "twenty-one (21) calendar days" with "thirty (30) calendar days". Should the

Contractor's tax clearance certificate expire during the contract period, the Employer shall be entitled to withhold payment without incurring any liability for interest, until a valid tax clearance certificate is submitted to the Employer, at which point, upon that date, the thirty (30) day period for due date of payment of the invoice shall commence.

- 31.12 Delete the following: "Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due."
- 32.5.1 Add the following to the end of each of these clauses: "...due to no fault of the
32.5.4 **contractor**"
and
32.5.7
- 32.12 Replace "**contractor**" with "**employer**"
- 33.2 Add the following clauses 33.2.9 to 33.2.13:
- 33.2.9 the **contractor's** failure or neglect to commence with the **works** on the dates prescribed in the contract
- 33.2.10 the **contractor's** failure or neglect to proceed with the **works** in terms of the contract
- 33.2.11 the **contractor's** failure or neglect for any reason to complete the **works** in accordance with the contract
- 33.2.12 the **contractor's** refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract
- 33.2.13 the **contractor's** estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa
- 34.13 Replace "seven (7) calendar days" with "thirty (30) calendar days" and delete the words: "subject to the **employer** giving the **contractor** a tax invoice for the amount due" as per **PPFA**
- 36.3 Remove reference to "No clause", and replace "**principal agent**" with "**employer**"
- 36.7 Add the following: "Notwithstanding any clause to the contrary, on cancellation of this
37.5 this agreement either by the **employer** or the **contractor**; or for any reason whatsoever
and whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a
38.7 date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever"
- 37.3.5 Replace "ninety (90)" with "one hundred and twenty (120)"
and
38.5.4
- 39.3.5 Add the following words at the end thereof: "within one hundred and twenty (120) **working days** of completion of such report"
- 40.2.2 under clause 41 – Replace "one (1) year" with "three (3) years"
- 40.6 under clause 41 – Remove reference to no clause
- 40.7.1 Change "(10)" to "(15)"
- Add the following to the end thereof:
- Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs.

| | |
|------------------|---|
| | |
| 42.0 | PART 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR |
| 42.0.1 | The successful contractor must have a built environment professional on his staff or he must employ one for the duration of the contract. |
| 42.0.2 | All bids shall remain valid for a period of one hundred and twenty (120) calendar days after the Request for Bid closing date. |
| 42.0.3 | The successful bidder will be required to submit an Approved Health and Safety File within fourteen (14) calendar days upon receipt of the letter of award. |
| 42.0.4 | The successful bidder will be required to submit a letter of good standing from the compensation commission or FEMA within fourteen (14) calendar days upon receipt of the letter of award. |
| 42.0.5 | The successful Bidder will be required to submit a construction program and contractor's cash flow within twenty one (21) calendar days upon receipt of the letter of award. |
| 42.0.6 | At least thirty percent (30%) of the total labour force employed during the execution of the works , shall be from the local community. |
| 42.0.7 | Labour rates to be inline with National Minimum Wage Act. |
| | POST-BID INFORMATION |
| 42.5 | CONTRACT DETAILS |
| 42.5.1 | <p>Contractor:</p> <p>.....</p> <p>Postal address:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Tel: Fax: E-mail:</p> <p>TAX / VAT Registration No:</p> <p>Physical address:</p> <p>.....</p> <p>.....</p> <p>.....</p> |
| 42.5.2 | <p>The accepted contract sum inclusive of tax is</p> <p>R.....</p> <p>Amount in words:</p> <p>.....</p> |
| 42.5.3 [31.3] | <p>The latest day of the month for the issue of an interim payment certificate:</p> <p>.....</p> |
| 42.5.4 | The preliminaries amounts shall be paid in terms of: Alternative A <input checked="" type="checkbox"/> Alternative B <input type="checkbox"/> |

[32.12]

42.5.5 [32.12] The preliminaries amounts shall be adjusted in terms of: **Alternative A** **Alternative B**

42.5.7 [14] The **security** to be provided by the **contractor**:

(a) in respect of contracts up to R1 million, the **contractor** will provide **security** in terms of 14.1

(b) in respect of contracts above R1 million, the **contractor** will provide, as **security**, one of the following:

| | |
|---|--|
| (1) cash deposit of 10% of the contract sum (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (2) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (3) cash deposit of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (4) fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |

NB: Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

42.5.8 [29.7.2] The annual building holiday period after the commencement of the construction period: from to

42.6 DOCUMENTS

42.6.1 Contract documents marked and annexed hereto:

| | | |
|------------------------------------|--|---|
| Priced bills of quantities: | Yes <input type="checkbox"/> No <input type="checkbox"/> | Document marked as |
| Lump sum document: | Yes <input type="checkbox"/> No <input type="checkbox"/> | Document marked as |
| Guarantees: | Yes <input type="checkbox"/> No <input type="checkbox"/> | Document marked as |
| Contract drawings: | Yes <input type="checkbox"/> No <input type="checkbox"/> | Document marked as |
| Other documents | Yes <input type="checkbox"/> No <input type="checkbox"/> | (attach additional pages if more space is required) |

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|--|---|
| | <p>.....</p> <p>...</p> <p>.....</p> <p>...</p> <p>.....</p> <p>...</p> |
|--|---|

| 42.8 | SIGNATURES OF THE CONTRACTING PARTIES | | | | |
|-----------------------|---|-------------------|---|-----------------------|------------|
| | <p>Thus done and signed at _____ on _____</p> | | | | |
| | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">Name of signatory</td> <td style="width: 50%; border-bottom: 1px solid black;">for and behalf of the Employer who by signature hereof warrants authorization hereto</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Capacity of signatory</td> <td style="border-bottom: 1px solid black;">as Witness</td> </tr> </table> | Name of signatory | for and behalf of the Employer who by signature hereof warrants authorization hereto | Capacity of signatory | as Witness |
| Name of signatory | for and behalf of the Employer who by signature hereof warrants authorization hereto | | | | |
| Capacity of signatory | as Witness | | | | |
| | <p>Thus done and signed at _____ on _____</p> | | | | |
| | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">Name of signatory</td> <td style="width: 50%; border-bottom: 1px solid black;">for and behalf of the Contractor who by signature hereof warrants authorization</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Capacity of signatory</td> <td style="border-bottom: 1px solid black;">as Witness</td> </tr> </table> <p>hereto</p> | Name of signatory | for and behalf of the Contractor who by signature hereof warrants authorization | Capacity of signatory | as Witness |
| Name of signatory | for and behalf of the Contractor who by signature hereof warrants authorization | | | | |
| Capacity of signatory | as Witness | | | | |

C1.3 Form of Guarantee

C 1.3.1: FIXED CONSTRUCTION GUARANTEE - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

| | |
|----------------|--|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

1. With reference to the contract between _____
_____ (hereinafter referred to as the
“**contractor**”) and the **Eastern Cape Department of Education** (hereinafter referred to as the “**employer**”).
Request for Bid No: **SCMU6-23/24-0001** for the **PROVISION OF PREFABRICATED CLASSROOMS TO
REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL** (hereinafter referred to as the “contract”)
in the amount of R _____, (_____
_____) (amount in words),
(hereinafter referred to as the **contract sum** excluding VAT.)
I/We, _____
in my/our capacity as _____ and hereby
representing _____ (hereinafter
referred to as the **guarantor**”) advise that the **guarantor** hold at the **employer’s** disposal the sum of
R _____ (_____)
(amount in words) being 5% of the **contract sum** (excluding VAT), for the due fulfilment of the contract.
2. The **guarantor** hereby renounces the benefits of the exceptions non numeratae pecunia, non causa debiti; excussionis et divisionis; and all other exceptions which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof i/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed, during the period when the claim is received by the **guarantor**, on receipt of a written demand from the **employer** to do so, and which demand the **employer** may make if the **employer** has a right of recovery against the **contractor** in terms of 33.0 of the contract.
3. Subject to the above, but without in any way detracting from the **employer’s** rights to adopt any of the procedures provided for in the contract, the said demand can be made by the **employer**, at any stage prior to the expiry of this guarantee.
4. The amount paid by the **guarantor** in terms of this guarantee may be retained by the **employer** on condition that upon the issue of the last final **payment certificate**, the **employer** shall account to the **guarantor** showing how this amount has been expended and refund any balance due to the **guarantor**.
5. The **employer** shall have the absolute right to arrange his affairs with the **contractor** in any manner which the **employer** deems fit and the **guarantor** shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the **guarantor**. Without derogating from the foregoing, any compromise, extension of the **construction period**, indulgence, release or variation of the **contractor’s** obligation shall not affect the validity of this guarantee.
6. This undertaking is neither negotiable nor transferable, and
- a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 4 above, or
 - b) shall lapse on the date of the last **certificate of practical completion**; and
 - c) shall not be interpreted as extending the **guarantor’s** liability to anything more than payment of the amount guaranteed.

SIGNED AT _____ ON THIS _____ DAY OF _____ 20____

AS WITNESS

1. _____

2. _____

By and on behalf of _____

(insert the name and physical address of the guarantor)

NAME: _____

CAPACITY: _____
(duly authorized thereto by resolution attached marked Annexure A)

DATE: _____

- A. No alterations and/or additions of the wording of this form will be accepted.
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.
- C. This GUARANTEE must be returned to:

Part 3: Returnable Schedules/Documents

T2.1 List of Returnable Documents

2.1: LIST OF RETURNABLE DOCUMENTS

| | | | |
|-------------------------|---|----------------|-------------------------|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL | | |
| Principal Agent: | Eastern Cape Province Department of Education | Bid No: | SCMU6-23/24-0001 |

1. RETURNABLE DOCUMENTS REQUIRED FOR TENDEER EVALUATION PURPOSES

(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the Bid)

| Bid Document Name | Number of pages issued | Returnable Document |
|--|------------------------|---|
| Declaration of Interest (SBD4) | 3 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Preference points claim form in terms of Preferential Procurement Regulations 2022 (SBD 6.1) | 6 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Local Production and Content (SBD 6.2) | 7 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Certificate of Authority for Signatory (T2.2.1) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Certificate of Authority for Joint Ventures (T2.2.2) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Schedule of Proposed Subcontractors (T2.2.3) | 1 Page | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Final Summary Page of Bills of Quantities (C1.1a) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Completed Project Reference Forms (T2.2.13) | 6 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

2. OTHER DOCUMENTS REQUIRED FOR REQUEST FOR BID EVALUATION PURPOSES

| Bid Document Name | Number of pages issued | Returnable Document |
|--|------------------------|---|
| Site Inspection Certificate (T2.2.4) | 1 Page | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Capacity of the Bidder (T2.2.6) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Relevant Project Experience - Completed Projects (T2.2.7) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Relevant Project Experience - Current Projects (T2.2.8) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| CIDB Grading Certificate (T2.2.11) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| CIPC Company Registration Certificate (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| ID's of shareholders, members, partners or sole proprietor (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Letter of Good Standing from Bank (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Letter of Good Standing from Compensation Fund (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| CSD Registration Summary Report (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| SARS Tax Clearance Certificate and Pin (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Proof of Locality of Head Office (T2.2.12) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

| Bid Document Name | Number of pages issued | Returnable Document |
|---|-------------------------------|---|
| Record of Addenda to Request for Bid Documents (T2.2.5) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Schedule of Plant and Equipment (T2.2.9) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Compulsory Enterprise Questionnaire (T2.2.10) | 1 Page | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

| Bid Document Name | Number of pages issued | Returnable Document |
|---|-------------------------------|---|
| Form of Offer and Acceptance (C1.1) | 3 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Contract Data (C1.2) | 14 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Applicable form of Guarantee (C1.3) | 4 Pages | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Priced Bills of Quantities including Preliminaries (C2.2) | 90 Pages | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

T2.2 Returnable schedules

SBD 4 : BIDDER'S DISCLOSURE

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

| Full Name | Identity Number | Name of State institution |
|-----------|-----------------|---------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

2.2.1 If so, furnish particulars:

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

2.3.1 If so, furnish particulars:

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

3 DECLARATION

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

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

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS

OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND

COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS

DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

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

SBD 6.1 : Preference Points Claim Form

SBD 6.1

PREFERENCE POINTS CLAIM FORM

In order to claim preference points, Bidders are to note the following:

- The SBD 6.1 form must be completed and duly signed.
- EME's with an annual total revenue of R3 million or less, are required to submit a sworn affidavit (Construction Charter) confirming their level of black ownership, etc to claim points.

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

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

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

1. GENERAL CONDITIONS

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

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

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

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the **90/10** preference point system.
- b) The applicable preference point system for this tender is the **80/20** preference point system.
- c) Either the **90/10 or 80/20 preference point system** will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

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

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

The maximum points for this tender are allocated as follows:

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

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

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

Where

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

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

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

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

| The specific goals allocated points in terms of this tender | Number of points allocated (90/10 system) (To be completed by the organ of state) | Number of points allocated (80/20 system) (To be completed by the organ of state) | Number of points claimed (90/10 system) (To be completed by the tenderer) | Number of points claimed (80/20 system) (To be completed by the tenderer) |
|---|--|--|--|--|
| Historically Disadvantaged individuals | 2 | 4 | | |
| Ownership with Disabilities | 1 | 2 | | |
| Youth Ownership | 2 | 3 | | |
| Woman Ownership | 2 | 3 | | |
| Enterprises located in the Eastern Cape Province | 3 | 6 | | |
| Ownership by Military Veterans | 1 | 2 | | |

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the

organ of state that the claims are correct;

iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

- (a) disqualify the person from the tendering process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution, if deemed necessary.

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

SBD 6.2: Local Production and Content

SBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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, 2022, 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, 2022 (Regulation 8) make 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 tenders 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 Specific Goals
- 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) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if 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:

| <u>Description of services, works or goods</u> | <u>Stipulated minimum threshold</u> |
|--|-------------------------------------|
| Reinforcement | 100% |
| Roof coverings | 100% |
| Steel windows, doors and frames | 100% |
| Sundry metalwork and structural steelwork | 100% |
| Gutters and down pipes | 100% |

| | |
|---------------------|------|
| uPVC and HDPE pipes | 100% |
| Electrical cables | 100% |
| Fencing | 100% |

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

(Tick applicable box)

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

3.1 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 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.resbank.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. SCMU6-23/24-0001

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.thedti.gov.za/industrial_development/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; and
- (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 3.1 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 1286:2011 | R |
| Stipulated minimum threshold for local content (paragraph 3 above) | |
| 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 3.1 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, 2022 promulgated under the Preferential Policy Framework Act (PPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

Annexure C

Local Content Declaration – Summary Schedule

| | | | | | | | |
|------|---------------------------|-------|--|-----|--|------|--|
| (C1) | Tender No. | | | | | | |
| (C2) | Tender Description: | | | | | | |
| (C3) | Designated product(s) | | | | | | |
| (C4) | Tender Authority: | | | | | | |
| (C5) | Tender Entity Name: | | | | | | |
| (C6) | Tender Exchange Rate: | Pula: | | EU: | | GBP: | |
| (C7) | Specified local content % | | | | | | |

Note: VAT to be excluded from all calculations

| Calculation of Local Content | | | | | | | |
|------------------------------|---------------|---------------------------------|-------------------------|---|----------------|-------------|----------------------------|
| Tender item no's | List of items | Tender price – each (excl. VAT) | Exempted imported value | Tender value net of exempted imported content | Imported value | Local value | Local content % (per item) |
| (C8) | (C9) | (C10) | (C11) | (C12) | (C13) | (C14) | (C15) |
| | | | | | | | |
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| | | | | | | | |

| Tender Summary | | | |
|----------------|--------------------|---------------------------------|------------------------|
| Tender Qty | Total tender value | Total exempted imported content | Total imported content |
| (C16) | (C17) | (C18) | (C19) |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|---|--|
| (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 | |

Signature of Bidder from Annex B

Date: _____

Annexure D

Imported Content Declaration – Supporting Schedule to Annex C

| | | | | | | | |
|------|-----------------------|-------|--|-----|--|------|--|
| (D1) | Tender No. | | | | | | |
| (D2) | Tender Description: | | | | | | |
| (D3) | Designated product(s) | | | | | | |
| (D4) | Tender Authority: | | | | | | |
| (D5) | Tender Entity Name: | | | | | | |
| (D6) | Tender Exchange Rate: | Pula: | | EU: | | GBP: | |

Note: VAT to be excluded from all calculations

A. Exempted imported content

Calculation of imported content

| Tender Item no's | Description of imported content | Local supplier | Overseas supplier | Foreign currency value as per commercial invoice | Tender Rate of Exchange | Local value of imports | Freight costs to port of entry | All locally incurred landing costs & duties | Total landed cost excl. VAT |
|------------------|---------------------------------|----------------|-------------------|--|-------------------------|------------------------|--------------------------------|---|-----------------------------|
| (D7) | (D8) | (D9) | (D10) | (D11) | (D12) | (D13) | (D14) | (D15) | (D16) |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Summary

| Tender QTY | Exempted imported value |
|------------|-------------------------|
| (D17) | (D18) |
| | |
| | |
| | |

(D19) Total exempt imported value

This total must correspond with Annex C - C21

B. Imported directly by Tenderer

Calculation of imported content

| Tender Item no's | Description of imported content | Unit of measure | Overseas supplier | Foreign currency value as per commercial invoice | Tender Rate of Exchange | Local value of imports | Freight costs to port of entry | All locally incurred landing costs & duties | Total landed cost excl. VAT |
|------------------|---------------------------------|-----------------|-------------------|--|-------------------------|------------------------|--------------------------------|---|-----------------------------|
| (D20) | (D21) | (D22) | (D23) | (D24) | (D25) | (D26) | (D27) | (D28) | (D29) |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Summary

| Tender QTY | Total imported value |
|------------|----------------------|
| (D30) | (D31) |
| | |
| | |
| | |

(D32) Total imported value by tenderer

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

Calculation of imported content

| Description of imported content | Unit of Measure | Local Supplier | Overseas supplier | Foreign currency value as per commercial invoice | Tender Rate of Exchange | Local value of imports | Freight costs to port of entry | All locally incurred landing costs & duties | Total landed cost excl. VAT |
|---------------------------------|-----------------|----------------|-------------------|--|-------------------------|------------------------|--------------------------------|---|-----------------------------|
| (D33) | (D34) | (D35) | (D36) | (D37) | (D38) | (D39) | (D40) | (D42) | (D42) |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Summary

| Tender QTY | Total imported value |
|------------|----------------------|
| (D43) | (D44) |
| | |
| | |
| | |

(D45) Total imported value by 3rd party

D. Other foreign currency payments

Calculation of foreign currency

| 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 payments |
|-------------------------|
| (D51) |
| |
| |
| |

Signature of tenderer from Annex B

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

Date: _____

(D53) Total of imported content & foreign currency payments (D32), (D45) & (D52) above

This total must correspond with Annex C – C23

Annexure E

Local Content Declaration – Supporting Schedule to Annex C

| | | |
|------|-----------------------|--|
| (E1) | Tender No. | |
| (E2) | Tender Description: | |
| (E3) | Designated product(s) | |
| (E4) | Tender Authority: | |
| (E5) | Tender Entity Name: | |

Note: VAT to be excluded from all calculations

| Local Products (Goods, Services and Works) | Description of items purchased | Local Suppliers | Value |
|---|--------------------------------|-----------------|-------------|
| | <i>(E6)</i> | <i>(E7)</i> | <i>(E8)</i> |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| | | | |
| <i>(E9)</i> Total local products (Goods, Service and Works) | | | |

| | | | |
|----------------------------------|--------------------------------------|--|--|
| (E10) | Manpower costs | (Tenderer's manpower cost) | |
| (E11) | Factory overheads | (Rental, depreciation & amortisation, utility costs, consumables etc.) | |
| (E12) | Administration overheads and mark-up | (Marketing, insurance, financing, interest etc.) | |
| <i>(E13)</i> Total local content | | | |

This total must correspond with annex C – C24

Signature of tenderer from Annex B

Date: _____

T2.2.1 Certificate of Authority for Signatory

T2.2.1: CERTIFICATE OF AUTHORITY FOR SIGNATORY

| | |
|----------------|--|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

NOTE: This returnable document must be on a company letterhead

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form on the company's letterhead.

An example is given below:

"By resolution of the board of directors passed at a meeting held on _____

Mr/Ms _____, whose signature appears below, has been duly authorised to sign all documents in connection with the bidder for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

1. _____ SIGNATURE: _____

2. _____ SIGNATURE: _____

T2.2.2 Certificate of Authority for Joint Ventures

T2.2.2: CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this Request for Bid in Joint Venture and hereby authorise Mr/Ms

_____, of the company _____

_____, acting in the

capacity of lead partner, to sign all documents in connection with the Request for Bid and any contract resulting from it on our behalf.

| Name of Firm | Address | Duly Authorised Signatory |
|---------------------------|---------|---|
| Lead Partner _____ | | Signature: _____ Name: _____ Designation: _____ |
| _____ | | Signature: _____ Name: _____ Designation: _____ |
| _____ | | Signature: _____ Name: _____ Designation: _____ |
| _____ | | Signature: _____ Name: _____ Designation: _____ |

T2.2.4 Site Inspection Certificate

T2.2.4: SITE INSPECTION CERTIFICATE

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

I/We have visited the site for the above-mentioned works at the date specified below.

I/We have thoroughly studied the site, plans and contract documents and I/We have brought myself/ourselves fully conversant with all aspects which could possibly influence the construction of the works.

I/We further certify that I/We am/are satisfied with the description of the works and the explanation given to me/us by the Representative/Agent at the inspection and I/We fully understand the extent of the work to be done as specified and implied for the execution of this contract.

Date of Inspection:

Time of Inspection:

Name of Tenderer

Signature of Tender

Signature of Representative/Agent

Date

T2.2.5 Record of Addenda to Request for Bid Documents

T2.2.5: RECORD OF ADDENDA TO BID DOCUMENTS

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

We confirm that the following communications received from the Employer before the submission of this Request for Bid offer, amending the Request for Bid documents, have been taken into account in this Request for Bid offer:

| | Date | Title or Details |
|-----|------|------------------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

Attach additional pages if more space is required.

Signed Date

Name Position

Bidder

T2.2.6 Capacity of Bidder

T2.2.6: CAPACITY OF THE BIDDER

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

WORK CAPACITY: (The Bidder is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Details of project team including CV, qualifications and proof of registration completed for each individual to be provided by Bidder. Failure to furnish the particulars may result in the Bid being disregarded.)

Artisans and Employees: (Artisans and Employees to be, or are, employed for this project)

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

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

| | | | |
|----------------|--------------|------------------|-------|
| Signed: | | Date: | |
| Name: | | Position: | |

Bidder:

T2.2.7 Relevant Project Experience - Completed Projects

T2.2.7: RELEVANT PROJECT EXPERIENCE – COMPLETED PROJECTS

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

Bidders must submit a max one-page description of at least three projects successfully completed.

Attach a Completion Certificate for each of the project provided.

The description of each project must include the following information:

1. Essential introductory information:
 - 1.1. Name of project.
 - 1.2. Name of client.
 - 1.3. Contact details of client.
 - 1.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
 - 1.5. The period during which the project was performed, and also, if this is different, the period during which the Bidder's team members were contracted.
 - 1.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

| NO. | NAME OF PROJECT | NAME OF CLIENT | CONTACT DETAILS OF CLIENT | PROJECT VALUE | DATE COMPLETED |
|-----|-----------------|----------------|---------------------------|---------------|----------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |

Attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed Date

Name Position

Bidder

T2.2.8 Relevant Project Experience - Current Projects

T2.2.8: RELEVANT PROJECT EXPERIENCE – CURRENT PROJECTS

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

Bidders must submit a max one-page description of at least three projects under construction/ on hold/ just handed over/ towards completion (if they exist).

Attach an Appointment letter for each of the project provided.

The description of each project must include the following information:

2. Essential introductory information:
 - 2.1. Name of project.
 - 2.2. Name of client.
 - 2.3. Contact details of client.
 - 2.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
 - 2.5. The period during which the project was performed, and also, if this is different, the period during which the Bidder's team members were contracted.
 - 2.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

| NO. | NAME OF PROJECT | NAME OF CLIENT | CONTACT DETAILS OF CLIENT | CONTACT DETAILS OF REFERENCES | PROJECT VALUE | STAGE OF PROJECT |
|-----|-----------------|----------------|---------------------------|-------------------------------|---------------|------------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

Attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed Date

Name Position

Bidder

T2.2.9 Schedule of Plant & Equipment

T2.2.9: SCHEDULE OF PLANT AND EQUIPMENT

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

The following are lists of major items of relevant equipment that I/we presently own or lease and will have available for this contract or will acquire or hire for this contract if my/our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

| Quantity | Description, size, capacity, etc. |
|----------|-----------------------------------|
| | |

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my/our Bid is acceptable.

| Quantity | Description, size, capacity, etc. |
|----------|-----------------------------------|
| | |

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Bidder _____

T2.2.10 Compulsory Enterprise Questionnaire

T2.2.10: COMPULSORY ENTERPRISE QUESTIONNAIRE

| | | | |
|--|---|------------------------------------|--|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL | | |
| Bid No: | SCMU6-23/24-0001 | | |
| 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* | |
| | | | |
| | | | |
| | | | |
| <i>*Complete only if sole proprietor or partnership and attach separate page if more than 3 partners</i> | | | |
| 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 Bidder and be attached as a Request for Bid requirement. | | | |
| Section 8: SBD6 issued by National Treasury must be completed for each Bidder and be attached as a Request for Bid requirement. | | | |
| The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise: | | | |
| <ul style="list-style-type: none"> i) authorizes the employer to verify the Bidders tax clearance status from the South African Revenue Services that it is in order; ii) confirms that the 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 bidding entities submitting Request for Bid offers and have no other relationship with any of the Bidders or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and v) 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 | |
| <i>Enterprise name</i> | | | |

T2.2.11 CIDB Grading Certificate / Proof of Registration

T2.2.11: CIDB GRADING CERTIFICATE/PROOF OF REGISTRATION

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

Bidders are required to submit with their Request for Bid:

A Certificate of Contractor Registration issued by the Construction Industry Development Board.

**NOTE: PROOF OF CIDB GRADING TO BE ATTACHED TO THIS PAGE BY BIDDER
IN THE CASE OF A JOINT VENTURE, SEPARATE CERTIFICATES IN RESPECT OF EACH PARTNER MUST BE SUBMITTED**

T2.2.12 Other certificates, etc.

T2.2.12: OTHER CERTIFICATES, ETC TO BE PROVIDED BY BIDDER

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

Bidders are required to submit with their Request for Bid:

- Certified copy of CIPC company registration certificate
- Certified copies of ID's of shareholders, members, partners or sole proprietor
- Letter of Good Standing from Bank where Bidder's primary transaction account is
- Letter of Good Standing from Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993
- CSD Registration Summary Report dated not more than thirty (30) calendar days prior to the Request for Bid closing date
- Original valid SARS tax clearance certificate and pin
- Proof of locality of head office by way of certified copy of municipal account or lease agreement

| |
|--|
| NOTE: CERTIFICATES, ETC TO BE ATTACHED TO THE RELEVANT PAGE HEREAFTER |
|--|

Insert certified copy of CIPC certificate

Insert certified copies of ID's

Insert Letter of Good Standing from Bank

**Insert Letter of Good Standing from Compensation
Fund**

Insert CSD Registration Summary Report

**Insert Original Valid SARS Tax Clearance Certificate
and Pin**

**Insert Certified Copy of
Municipal Account or Lease Agreement**

T2.2.13 Insert Completed Project Reference Forms

PROJECT REFERENCE RETURNABLE 1 OF 3

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

NOTE: This returnable document must be completed by the person who was the principal agent on a construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of
 _____ (company name) declare

that I was the principal agent on the following building construction project successfully
 executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

| | Very Poor 1 | Poor 2 | Fair 3 | Good 4 | Excellent 5 |
|--|----------------|-----------|-----------|-----------|----------------|
| 1. Project performance / time management / programming | | | | | |
| 2. Quality of workmanship | | | | | |
| 3. Resources: Personnel | | | | | |
| 4. Resources: Plant | | | | | |
| 5. Financial management / payment of subcontractors / cash flow, etc | | | | | |

B. Would you consider / recommend this Bidder again:

| | |
|-----|----|
| YES | NO |
| | |

C. Any other comments:

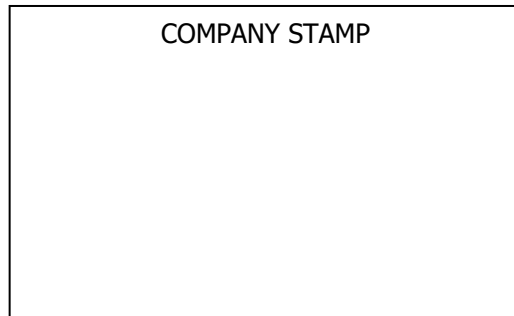
D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023

Signature of principal agent



NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

Name of Bidder

Signature of Bidder

Date

PROJECT REFERENCE RETURNABLE 2 OF 3

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

NOTE: This returnable document must be completed by the person who was the principal agent on a construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of
 _____ (company name) declare

that I was the principal agent on the following building construction project successfully
 executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

| | Very Poor 1 | Poor 2 | Fair 3 | Good 4 | Excellent 5 |
|--|----------------|-----------|-----------|-----------|----------------|
| 1. Project performance / time management / programming | | | | | |
| 2. Quality of workmanship | | | | | |
| 3. Resources: Personnel | | | | | |
| 4. Resources: Plant | | | | | |
| 5. Financial management / payment of subcontractors / cash flow, etc | | | | | |

B. Would you consider / recommend this Bidder again:

| | |
|-----|----|
| YES | NO |
| | |

C. Any other comments:

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023

Signature of principal agent

| |
|---------------|
| COMPANY STAMP |
|---------------|

NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

Name of Bidder

Signature of Bidder

Date

PROJECT REFERENCE RETURNABLE 3 OF 3

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| Bid No: | SCMU6-23/24-0001 |

NOTE: This returnable document must be completed by the person who was the principal agent on an construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of
 _____ (company name) declare

that I was the principal agent on the following building construction project successfully
 executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

| | Very Poor 1 | Poor 2 | Fair 3 | Good 4 | Excellent 5 |
|--|----------------|-----------|-----------|-----------|----------------|
| 1. Project performance / time management / programming | | | | | |
| 2. Quality of workmanship | | | | | |
| 3. Resources: Personnel | | | | | |
| 4. Resources: Plant | | | | | |
| 5. Financial management / payment of subcontractors / cash flow, etc | | | | | |

B. Would you consider / recommend this Bidder again:

| | |
|-----|----|
| YES | NO |
| | |

C. Any other comments:

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023

Signature of principal agent

| |
|---------------|
| COMPANY STAMP |
|---------------|

NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

Name of Bidder

Signature of Bidder

Date

THE CONTRACT

Part 4: Scope of Work

C3.1 Scope of work

C3.1: SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

| | |
|-----------------------|---|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| BID No: | SCMU6-23/24-0001 |

C3. Scope of Works

1. GENERAL

a) EXTENT OF THE WORKS

The work comprises of:

- Provision of 2x 4 Classroom Blocks plus HOD
- Provision Nutrition Centre
- Refurbishment of existing Admin and Ablutions
- Grade R Classroom
- External Works
- Electrical Upgrade
- Water Tanks
- Fencing

b) ORDER OF THE WORKS

Commencement of the works after handover, daily progress and completion of the works is critical to the success of the programme and will thus be closely and strictly monitored. Decisive action will be taken against any potential risks that could lead to time over run on the contract period. The bidder is to take specific notice of this, most especially to the penalty clause.

c) BUILDING OCCUPIED

Yes

d) ACCESS – Gravel Road

C3.2 Health and Safety Specification

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

FOR

**CONSTRUCTION OR REFURBISHMENT OF EC
SCHOOLS (SMALL PROJECTS)**

**EASTERN CAPE DEPARTMENT OF
EDUCATION**

(THE “CLIENT”)

| | |
|------------------------------|--------------------------------|
| Prepared By: | Dr. Claire Deacon CHSA010/2013 |
| Last revision 02/12/2022 By: | Ntokozo Ngwenya |

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| Project Details | |
|---------------------------------------|---------------------|
| Date of compilation: | Revision number: 00 |
| Value of project: | Commencement date: |
| | Contract period: |
| | |
| Occupational Health and Safety Agent: | |

| <i>Professional responsibilities</i> | <i>Company</i> | <i>Contact person</i> | <i>Telephone</i> | <i>Fax</i> | <i>email</i> |
|--------------------------------------|----------------|-----------------------|------------------|------------|--------------|
| Architects | | | | | |
| Civil Engineers | | | | | |
| Structural Engineers | | | | | |
| Electrical Engineers | | | | | |
| HVAC Engineers & Fire Consultants | | | | | |
| Quantity Surveyors | | | | | |

Site Details:

Locality of the works:

REFERENCES,

- Occupational Health and Safety Act (OHSA) No. 85 of 1993 and Regulations (as amended);
- Compensation for Injury and Occupational Diseases Act (COIDA) No. 100 of 1993 (as amended);
- South African Council for the Project and Construction Management Professions (SACPCMP) 2013: Scope of services for the OHS Consultant, Manager and Officer;
- Any other internal standards and specifications developed by the Client as they affect the operations, and
- The amended Baseline Risk assessment
- South African Roads Traffic Safety Manual (SARTSM) Chapter 2, Volume 13 of 1999
- Road Traffic Safety Act No. 93 of 1996 (as amended)
- Construction Specifications & Standards 6.0 for Southern Africa. Hans Wegelin 6th Edition 2010
- SANS Code 10400
- SABS 1200

1. LIST OF ABBREVIATIONS

| | |
|------|--|
| AIA | Approved Inspection Authority |
| BoQ | Bill of Quantities |
| CC | Compensation Commissioner |
| CR | Construction Regulations |
| CHSO | Construction Health and Safety Officer |
| DMR | Driven Machinery Regulations |
| DEL | Department of Employment and Labour |
| FEMA | Federated Employers Mutual Association |
| GAR | General Administration Regulations |
| GSR | General Safety Regulations |

| | |
|---------|---|
| HCSR | Hazardous Chemical Substances Regulations |
| HIRA | Hazard Identification Risk Assessment |
| H&S | Health and Safety |
| ER | Engineer's Representative |
| LI | Labour Intensive |
| DMA | Disaster Management Act |
| OH | Occupational Health |
| OHSA | Occupational Health and Safety Act No. 85 of 1993 (as amended) |
| SSHSS | Site Specific Health and Safety Specification |
| PC | Principal Contractor |
| PPE | Personal Protective Equipment |
| SANS | South African National Standards (Authority) |
| SACPCMP | South African Council for Project and Construction Management Professions |
| SDS | Safety Data Sheet |
| SMME | Small, Micro, Medium Enterprise |
| SWP | Safe Work Procedure |

Each year fatalities, serious injuries and poor attitudes of Contractors mar the reputation of the Construction Industry. The CLIENT has a responsibility to limit its risk by ensuring a zero tolerance and better practice approach to Contractors and those affiliated to a particular project. Thus, a high premium is placed on the health and safety (H&S) of the Client and stakeholders, which include its employees, professional service providers, public and its physical assets.

The responsibilities that the Client and relevant stakeholders have toward its employees are captured in, but not limited to this document. The responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Where there is an appointed OHS Consultant its behalf, shall provide a site specific Health & Safety Specification (SSHSS) for the project and provide the Principal Contractor/s (PC) making a bid or appointed to perform construction work for the project, or parts thereof.

By drawing up this SSHSS, the Client has endeavoured to address the most critical aspects relating to H&S issues in order to assist the contractor in adequately providing for the health and safety of employees on site.

Should the Client not have addressed all H&S aspects pertaining to the work that is tendered for, the contractor needs to include it in the SSHSP and inform the Client of such issues when submitting the tender, or as soon as identified.

Notwithstanding the above, cognisance needs to be taken of the current Disaster Management Plan, and all the requirements of the current levels of lockdown, standards, guidelines and information published from time to time.

2. Purpose of the Site Specific Health and Safety Specification (SSHSS)

The SSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client, Agents, Professional Designers (Engineers, Quantity Surveyors and Architects), Principal Contractors and Contractors achieve an acceptable level of OHS performance.

No advice, approval of any document required by the SSHSS, such as hazard identification and risk assessments, or any other form of communication from the Client shall be construed as acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Furthermore, there is no acceptance of liability by the Client, which may result from the Principal Contractor failing to comply with the SSHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

A Mandatary Agreement in terms of Section 37.2 of the OHSA will be signed between parties prior to any works commencing. If the NEC contract is used a copy of the signed contract shall form part of the H&S file submission.

The SSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks or issues are identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated or determined by the Client) that are promulgated or accepted during the contract will automatically be applied.

Environmental management shall receive due attention as per the requirements of the Environmental Control Officer (ECO), but will be managed by the ECO directly if applicable to the project.

2.1 Project description/detailed scope of work as it applies to the project (Details as per the scope of work)

The Scope of work as identified by the Stakeholders is as follows:

- Preliminary and General
- Breaking
- Painting
- Carpentry
- Brickwork
- Roof Work
- Asbestos Work

The works shall be done in accordance with the applicable SANS 1200 specifications, Municipal By-laws and Regulations, variations and additions to the standardized specifications applicable to this contract and the technical specifications of the Client for work that falls outside of the standardized specifications.

2.2 Programme Description

| | |
|--|---|
| Clarification Meeting | <i>TBA</i> |
| Time allowed for preparation of H&S plan/file after tender award | |
| Approval date of SSHSP | <i>Within 1 week after submission but subject to content as per this requirement, for more than one review.</i> |
| Induction dates | <i>To be advised after Approvals of H&S Plan/file</i> |
| Estimated Commencement date of work on site | <i>Subject to approval of H&S Plan.</i> |
| Estimated Project completion date or project duration | <i>Dependant on site establishment and site hand over</i> |
| Project term | |

3. Implementation of the Site Specific Occupational Health and Safety Specifications (SSHSS)

The site specific H&S specification (SSHSS) forms an integral part of the Contract, and PCs are required to make it an integral part of their Contracts with Contractors and Suppliers. A SSHSS will be available for each level of Contract and Contractor and must be complied with.

This specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done and ensure compliance thereto. The information relative to the scope of the project, the works etc. are detailed in the tender, are to be considered when developing the SSHSP and associated documentation. The summary of risks is included in Section 2 of the SSHSS.

The OHSA S.37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents.

No work may commence without written approval of the SSHSP by the H&S Agent, or the responsible person of the Client.

Should there be design changes, or change in the scope of works, an amended SSHSS may be issued. Where amended SSHSSs are issued, the PC will be required to ensure a resubmission of an amended SSHSP for approval. Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within 5 working days following notification thereof. Such design changes.

The OHS Consultant will visit the project at least bi-monthly to ensure compliance and limit risk. All activities on the site and all appropriate documentation will be monitored and reported on to the Client and the Designer.

Non-conformances will be issued, and penalties or work stoppage will be issued where appropriate. Communication between the OHS Consultant and the PC will be through the Designer (or Client's responsible person) as determined at the commencement of the project.

3.1 Requirements at Start Up

A site specific H&S Plan (SSHSP) in response to this SSHSS will be subject to approval by the OHS Consultant within the stipulated time period as noted in the tender. This must include all supporting documentation as required to verify the H&S system:

- A declaration to the effect that the PC has the competence and necessary resources to carry out the work safely in compliance with the Occupational Health and Safety Act and its Regulations;
- A valid Letter of Good Standing;
- Detailed technical method statements along with, and aligned with the project programme for review by the Principal Agent, Designer and appropriate risk assessments and safe work procedures for approval by the OHS Consultant or Client:
- Site establishment including:
 - A procedure must be drafted relative to protection/ prevention of injury to persons other than PC employees, during undertaking of such construction activity.
 - Exposure of services, power, telecommunication etc.;
 - Arrangements for hoarding, traffic accommodation if applicable;
 - Excavating for services;
 - An emergency plan indicating how and where emergencies will be handled, and
 - Working at heights (if applicable).

Further method statements are to be submitted prior to, and during the project where changes or new work is required, and the approval of the Principal Agent/Client is required before work on that aspect or activity can commence. The construction CHSO (CHSO) is to be included in production planning sessions/meetings to ensure that the appropriate risk assessments, safe work procedures and communication required are available and completed timeously.

Penalties will be applied should this not be adhered to and deemed a serious offence.

4. GENERAL REQUIREMENTS

4.1 Summary of Risks identified during Design

The intention of the summary of findings from the design risk assessment is to highlight the residual risks identified during the design phase. The full design risk assessment can be found in the tender document.

The summary of risks provided is to point the contractor towards some risks he may not be aware of during tendering stage and while developing his formal risk assessments for the project.

The design risks and the management thereof should be included in the PC risk assessments. Where there are other Contractors appointed to do work, the PC is to ensure that Contractors include such information in their risk assessments.

The summary is to be developed following the completion of the Design risk assessment, and to include the residual risks as they apply to the project.

| PHASES OF THE PROJECT | RESIDUAL RISKS IDENTIFIED TO BE MANAGED (as applicable) |
|-----------------------|--|
| Site Establishment | Bringing in containers, fitting with electricity, phone and fax, toilet hire. Hoarding, security and access to be managed and in place. |
| Site Clearance | Traffic accommodation, movement of heavy construction vehicles, use hand tools, chainsaws, use of local labour and contractors. |
| Earthworks | Open excavations, use of plant and machinery, use of lifting equipment for laying storm water concrete pipes, electrical hand tools plant and equipment during paving. Noise monitoring. |
| Ancillary Roadworks | Use of chemicals, excavation and use of hand tools. |

| | |
|------------------------------------|---|
| Housekeeping, stacking and storage | The area is adequate to ensure housekeeping and stacking and storage principles are followed. However, the children need to be kept well away from all work areas including the site camp, and notices to be clear in warning of dangerous construction activities. Care and increased attention to ensure all materials and vehicles are carefully managed and designated routes are used. |
| General | Use of local labour, and contractors, CLO to do regular information sessions. High winds and inclement weather require monitoring for all working at heights |
| Painting | Hand mixing may occur, 50kg paint drums are an ergonomic risk from handling. Potential eye, skin and respiratory irritant from paint fumes exposure, chromates. |

4.2 Specified Hazardous Chemical Substances

The following lists of products or substances are those which have been identified as likely to be used on the project. This list is not inclusive and other products may be considered. Where the PC is likely to supply the product as the product has not been specified, safety data sheets (SDSs) need to be considered prior to all selections.

| PRODUCTS/SUBSTANCES/RISKS | POTENTIAL HEALTH OR OTHER RISKS |
|---------------------------|---|
| Cement | Hand mixing may occur, 50kg bags are an ergonomic risk from handling. Potential eye, skin and respiratory irritant from dust exposure, chromates. |
| Cement/Silica dust | Caused by cutting, grinding, sanding of any concrete/granite/tiled surface/masonry. |
| Wood dusts | Caused by cutting, sanding, drilling wooden products treated Viz fencing poles. |
| Mineral turpentine | Applying paint and cleaning of paint brushes. Potential eye, nose, skin and respiratory irritant. |
| Paint | Splashes into eyes, onto skin causing irritation. |
| Cleaning materials | Use of disinfectants and sanitizers |

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organization of H&S Responsibilities

An organogram will be available to identify key appointments and responsibilities on site and be kept up to date throughout the project.

5.1.1 Notification of Commencement of Construction Work

The PC shall notify the Provincial Director of the Department of Employment and Labour (DEL) in writing, in the form of the Annexure in the CRs. This shall occur within 7 days of the award of the contract. Proof of submission and/or receipt must be provided and kept in the H&S file.

Where changes to the conditions given in the submission are required (i.e. Contractors, completion dates, increase in workers), a revised Annexure A must be submitted to the DEL. The completion date is to include the defect and liability period. A copy of the notification form and any further submissions/correspondence must be kept in the H&S file.

6. HEALTH AND SAFETY PLAN FRAMEWORK

The H&S aspects related to the project outlined in the previous sections are to be taken into account when drawing up the H&S Plan. The PC is required to demonstrate competence by providing an H&S system that will address the requirements of the project.

The current legislative requirements, SABS codes, SANS 10400 and any other standards that may guide practice are to be taken into consideration. The following aspects must be addressed in the SSHSP, as they have been identified in section 2, as playing a role in reducing the overall risk of a particular activity, or section of the project. The OHS Agent may from time to time request additions or systems as they relate to the works or legislative requirements at the time.

The PC is to prepare a site layout drawing to indicate at least the following to submit with the H&S plan:

- The positions of site offices of all Contractors, toilets, drinking water and worker rest areas;
- Indicate the positions of emergency planning and equipment and first aiders;
- Protection of plant and public, indicate parking, designated vehicular routes and access to site;
- Storage areas (materials and equipment, waste etc.), and
- Storage of materials and waste;

Such layouts are to be updated regularly throughout the project.

Cognisance is to be given to those permanent employees who are over 60 years of age, and younger workers who have underlying chronic health issues such as high blood pressure, diabetes, TB, HIV and AIDS etc. Specialised workers who are indispensable will need to be declared fit for work by an occupational health service provider.

Key appointments and succession planning is to be available to ensure those who are playing key roles are able to cover the project at all times.

The project Organogram is to be updated accordingly and signed and dated at each update.

6.1 Appointment of Competent Site Personnel

The CEO (OHSA S16.1 or 16.2) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Site Agent (OHSA 16.2). Knowledge and training in H&S are required and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work required and kept current with the project programme. The construction team is to ensure the appointed CHSO is kept up to date with all planned activities, to ensure all H&S requirements are met.

All construction/technical method statements are to be generated by senior site personnel, and the appropriate risk assessments developed therefrom in conjunction with the CHSO.

The SSHSP shall include the following, but is not limited to the following key appointments:

6.1.1 Construction Supervision

Competent supervisors will be appointed to manage part or all of the works and have training and/or experience in the area of responsibility, regarding CR 8.1, 8.2 and 8.7. All site supervisors must show evidence of appropriate training in H&S, and an understanding or training in areas of responsibility (i.e. risk assessments, method statements etc.).

Curriculum Vitae (CVs) are to be submitted for approval by the Principal Agent, and/or Client. The Supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials.

6.1.2 Construction Health and Safety Officer

The PC shall employ at least one competent, CHSO for the duration of the contract. The CHSO's CV is to be submitted for approval by the OHS Agent or the Client, at time of tender

The PC is to ensure adequate resources are provided in order to undertake all responsibilities (i.e. mobile phone, computer and internet access, etc.).

Qualifications shall include at least Grade 12, SAMTRAC/NEBOSH/Diploma in H&S qualifications or similar, with exposure to civil engineering and similar road construction, with at least 5 years' experience, given the level of project complexity preferably in an OHS capacity. He should also have undergone training in the Act and Regulations. In the case of a contract where contractors are employed, the CHSO must have a competence to evaluate the Contractors Health and Safety plans and be registered with the SACPCMP as a CHSO.

This person may not hold any other position on the site staff. The site supervisor may not act as the CHSO. The CHSO appointed for the project will be held responsible for all H&S on the project.

- Senior site staff and supervision, Contractors are to follow systems, instructions etc. given by the CHSO at all times;
- No new workers or Contractors may commence work without approval or following the SSHSP as submitted;
- No inductions of any Contractors' staff until the H&S documentation is approved by the CHSO, and
- The CHSO may not be removed or replaced without the approval of the H&S Agent, nor may the site be left unattended for more than 1 day without adequate, competent cover.

A monthly report of all H&S activities and incidents is required by the end of the first week of each month, or at a date agreed to by the OHS Consultant /Client and the CHSO. An example of the monthly report is attached as an Annexure D.

The CHSO will be responsible for collating the H&S documentation at the close out of the project in electronic format, properly labeled and filed. A list of the typical aspects that should be provided is available as Annexure B to this document. The PC is to ensure that all Contractors documentation follows the same requirements and closed out. H&S documentation must be completed and be available with the close out of the main contract, or as determined at the time.

Failure to do so will be considered a serious offence and penalties applied. Failure could also result in retentions or project certification not being issued to the PC.

6.1.3 Traffic Safety

The CHSO will be responsible for ensuring that daily traffic management is adequately managed.

No worker may be transported in, or on the rear of construction vehicles (bakkies included), or with plant and materials to, on, or from site. The number of passengers in any vehicle is limited to what is stated on the license disc. Vehicles used to transport workers to, from, or on site, shall have secure seats and be covered. No canopies may be used.

While this is difficult to control by the PC, induction training needs to include such information so workers can protect themselves. An on-site transportation policy needs to be available for how such transportation will be made safe and limit any opportunity for cross infection. Disinfection of vehicles needs to be determined where possible, and sanitizers provided prior to boarding and recommended during transit.

Each worker is to be encouraged to wear a cloth mask while travelling, and this needs to be enforced if using company transport.

Penalties will be issued for non-compliances noted.

6.1.4 Health and Safety Representatives and H&S meetings (if applicable)

H&S Representatives representing workers and Contractors are to be appointed following the start up of the project, irrespective of the number of workers on site. The appointed H&S Representatives are to be actively involved with H&S and will assist the CHSO and site management in meeting legislative duties.

All internal and external OHS Agent audits are to be discussed, as well as all H&S related issues at all internal production or progress meetings.

Failure to do so will be deemed to be a moderate offence.

6.1.5 Appointment of Competent Contractors and Suppliers, short term works (if applicable)

The PC is to ensure compliance with the Clients minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. An index of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHSO is to ensure a Contractors appointment and approval of H&S documentation at least seven (7) working days prior to commencing work;
- No Contractor may work under the PCs Compensation registration number. If required, the PC may assist SMMEs with their registration with the Compensation Commissioner (CC). However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received, and
- No work may commence without Mandatary agreements between parties in place.

Suppliers or short-term works (surveying, repairs, servicing, deliveries etc.) also require H&S Management. Cognisance is to be taken of the level of risk involved and the CHSO is to ensure the level of H&S documentation is appropriate and appropriately managed.

Failure to provide written approval of H&S documentation will be considered a serious offense, and could result in aspects of, or all the activities being stopped, and penalties implemented.

7. GENERAL RISK MANAGEMENT

7.1 Health Risks and Medical Surveillance

The appropriate SDSs are to be obtained for all products and used to develop the H&S documentation as they relate to the works. Many of the processes are labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to noise, dust, and physical risks from extended periods of work of a repetitive nature, materials specified and the general nature of the works.

All permanent workers (including those of Contractors) are required to be in possession of a medical certificate of fitness prior to arrival on site that must be less than 12 months old. An exit medical will be required where the project exceeds 6 months in duration. Arrangements for keeping medical records for the required time are to be noted. A procedure for managing the medical records which require safekeeping for prescribed periods are to be addressed, specifically for the asbestos exposed workers.

Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical and occupational history;
- Full physical examination of all systems, and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests);
- Spirometry (lung function tests) are not to be done until deemed safe to do so, and
- Any other tests identified as relevant from chemical or specifically identified risks of exposure

Failure to do so will be considered a serious offence.

8. Training

Training of site personnel in H&S in the revised areas of work is required, mainly through induction between the Client and specific groups of employees. The CHSO is to determine training requirements and to report on needs or completed training in their reports and audits.

Records of all training, and acknowledgement of such training by attendees must be kept. Comprehensive records of all employees under the PCs control attending induction or any other training throughout the project shall be included. Amendments to statutes, the SSHSS, PSHSP, policies, procedures, method statements etc. shall require that all those affected shall undergo the relevant re-training.

8.1 Site Induction and other training

The PCs shall ensure that all employees, and contractors have undergone the induction programme for visitors or contractors, or any other that is deemed necessary.

Appropriate time must be set-aside for training (induction and other) for all employees. No person will be able to commence work or visit the site where the induction has not been done.

All employees and visitors on site from either the Client or the PC shall carry the proof of induction training in form of an induction card. Client Induction is valid for a year from the date it was conducted and thereafter refresher induction shall be re-scheduled at least one month before the induction period expires.

Both parties shall keep a database of all records pertaining to induction and will inform Contractors of pending expiry though the overall responsibility of maintaining current induction cards still lies with the principal contractor. All induction cards issued must be returned on completion of the project to the Issuer.

Toolbox talks to be conducted outdoors when possible in order for persons to maintain social distancing. Where inclement weather does not allow for this, toolbox talks to be conducted with smaller groupings of workers in a sheltered area large enough to maintain social distancing.

8.2 Noise Risks

All plant from plant hire companies (suppliers) or that of the PC is to come to site with the appropriate testing completed and be compliant with the Noise Induced Hearing Loss Regulations. Plant identified that has not been tested and marked for noise emissions will result in having to be tested or removed from site. Failure to do so within a reasonable time period will result in such plant being removed from site.

Suitable SANS approved hearing protective equipment shall be issued and worn where noise levels are identified as equal to or greater than 85 dB.

8.3 Asbestos Work

Only a registered asbestos contractor may do work which entails asbestos material. An Approved Inspection Authority must be consulted and Asbestos regulations complied to.

Failure to do so will be considered a serious offence.

9. Emergency Procedures

A simple emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

Appointment of a competent emergency response co-ordinator

- Fire, public injury, asbestos;
- Falls from heights;

- Serious injury to workers (medical or work-related), and
- Any other major risks identified during risk assessments

The emergency plan is to ensure the inclusion of local service providers. Such arrangements should be made with these persons prior to the commencement of the project. The general principals of emergency management are to be applied as it applies to the hierarchy of control and management.

9.1 Fire, First Aiders and First Aid Equipment

At least 1 first aider will be trained to level 1. First aiders shall be available and accessible on site at all times and be able to work as a team when responding to any emergency on the project. The number of First aiders will be determined by the complexity and exposed risks of the project, not numbers of workers.

Contractors are expected to ensure compliance and provide/manage their own first aiders and equipment. Appropriately stocked first aid kits are to be available at all times and to assure continual availability and access on site.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. All mobile plant is to have fire extinguishers. Hot work permits are required for any such activities.

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

9.2 Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Principal Agent/Client /OHS Agent immediately. This shall be confirmed in writing following the incident. Full details are to be included in each site meeting or when the Client visits site. A summary of incidents is to be included in the monthly report.

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

10. Personal Protective Equipment (PPE) and Clothing

The PC is to provide a procedure as an addendum to indicate how PPE is managed within the Company. The wearing of the identified SANS approved PPE at all times is non-negotiable and is to be linked to the risk assessments. The PC shall ensure that all workers (Including Contractors) are issued with and shall wear:

- Hard hats;
- Protective footwear;
- Eye protection;
- Hearing protection;
- Reflective jackets (no bibs);
- At least 3 cloth masks (for general wear);
- Respiratory protection (minimum of FFP2) or as deemed required by the AIA, and
- Any other necessary PPE identified from SDSs and/or risk assessments.

Adequate quantities of PPE shall be available. This shall include necessary PPE for visitors. The procedures for managing PPE are to be in a formal procedure submitted with the SSHSP for approval.

Any person (including Client, Agents, etc.) found on site without the necessary PPE will be removed from site until the PPE is supplied and worn.

Failure to comply will result in penalties being applied.

11. Occupational Health and Safety Signage

On-site H&S signage is required as well as standard H&S information. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required and appropriate to the risks identified in risk assessments.

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements.

Failure to comply will result in penalties being applied.

12. Induction of Employees and Visitors, General H&S Training

A simple, formal induction programme is to be submitted as an addendum for approval with the H&S plan. Inductions must be carried out for all workers and visitors (including Client, Designers) to the site.

Daily, pre-task training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done. Records to be kept in the H&S file.

Any person found on site without proof of induction will be removed from site until the proof is supplied and, and a **penalty issued per non-compliance.**

13. Management of Plant and Equipment

The CHSO will ensure control of all plant and equipment, including daily monitoring, prior to commencing work. Full lists of hired and own plant are to be available at the OHS Consultant /Client audit. All daily inspection records are to be kept in the H&S file, or Contractors where plant and equipment is brought onto site. Registers are not to be more than 1 week behind.

Only competent, fit plant operators are to be used. Medical certificates of fitness are required for all operators.

Any plant or slings used to lift plant or material require annual load testing by an AIA, and all certificates must have the testers LMI/E number. Operators are to be adequately trained and certified to operate mobile cranes or crane trucks. Certificates and registers are to be placed in the H&S file.

Failure to do so will be considered a serious offence.

14. Excavations (if applicable)

A procedure for managing excavations is to be provided as an addendum to the SSHSP describing how excavations are to be managed.

A competent person is to be appointed for managing all excavations. A permit system is to be available and used for all excavations. All equipment and ground conditions to be checked daily, and prior to work commencing.

Excavations should preferably not be open beyond what can be closed daily. Where excavations need to remain open, all excavations are to be properly protected. Adequate stakes with 1m high demarcation and berms/spoil are required to be a safe distance from the edge of the angle of repose. Candy tape may not be used to demarcate excavations. Cognisance is required of the surrounding area and increased levels of protection are required where work is in communities, near schools and clinics or churches.

Work will be stopped, and penalties applied to any work in excavations that is not compliant.

15. Working at heights (if applicable)

A fall protection plan is to be available and supplied as an addendum to the H&S plan. The fall protection plan must be appropriate for the project. Proof of competency must be on file for the Fall Protection Plan Developer and the appointment of a Fall Protection Supervisor with competency to be on file. Method statements, appropriate risk assessments, safe work procedures and training (all employees are to be in possession of a valid working at heights certification) are to be available prior to work commencing.

The focus for working at height shall include fall restraint systems where possible except during assembling or dismantling top components or where it is not deemed safe. The relevant SANS codes are to be applied as they apply to the works and the project, such as:

- SANS 10085
- SANS 10333 (parts 1-3)

Should part of the works be contracted out, competent Contractors are to be appointed and submit documentation according to the project requirements. The PC is to note if such work is to be contracted to specialists in the H&S Plan. The plan is to be developed and work managed by a competent person for the duration of the project. The following aspects must be included:

- The public or users of buildings are to be protected at all times by way of hoarding, barricading or fencing
- Notices to be posted
- Restrictions or stoppage when weather conditions are deemed hazardous
- Permit system for working at heights
- Prevention of falling tools or equipment
- Link to emergency plan regarding rescue

All workers are to be in possession of valid certificates of fitness that extend for the duration of the works. Note the requirements in the section relating to medical surveillance.

Registers and all relevant documentation are to be placed in the H&S file.

Work will be stopped, and penalties applied to any work at heights that is not compliant.

16. Cranes and lifting equipment (if applicable)

Lifting devices such as mobile cranes might be used during the project for deliveries, and moving of supplies or equipment,

Appropriate documentation must be made available for the cranes and operators. Method statements, risk assessments, safe work procedures and training are to be available prior to work commencing. A procedure for managing loads and lifting must be made available as an addendum to the H&S Plan.

Chains, slings and webbing to have valid safe working load certification on file, should the documentation not be on site, the operation may be stopped, and fines imposed until such documentation may be delivered.

17. Temporary Works (Scaffolding, support work, formwork) (if applicable)

Temporary works must be properly designed and signed off by the PCs competent person for all temporary scaffolds, support work or formwork. In these instances, a competent person is defined as one who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The appropriate competent persons are to be appointed to manage and monitor such works to the satisfaction of the Engineer and OHS Agent. Records and registers are to be properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Principal Agent/OHS Agent.

Failure to do so will be considered a serious offence.

18. Auditing

Frequency of external auditing by the OHS Agent or Client will be bi-monthly to conform to the requirements of the Construction Regulations. The site will be inspected, and the documentation audited relative to the activities and H&S plan. The CHSO of the PC must accompany the Client, or the H&S Agent, on all audits and inspections.

The PC will ensure that all their Contractors are audited on a monthly basis, dependent upon the time to be spent on the site. Audit frequency may be increased if Contractors are not performing adequately. Audit results will be acted upon and non-conformances and penalties issued where deemed appropriate. The Client, Designer or OHS Agent may act or require further outcomes if non-compliances are noted or unsafe acts are noted on site.

Internal audits are to include site conditions as well as ensuring H&S files are appropriate, and compliant. Comprehensive audit reports are to be made available the format of the audit reports will be reviewed by the H&S Agent.

The PC will be audited using a template as supplied in the tender document. The audit template will be adjusted from time to time relative to the activities on site. A similar process is to be used by the PC when auditing their Contractors on site. Compliance with legislative requirements and the systems provided by the PC to manage the H&S on site will be measured. Full compliance is required. Time limits for corrective actions will be set and must be adhered to.

Failure to address findings or non-conformances will be considered a serious offence.

19. Communication and Meetings on Site

All H&S communication during the project between the OHS Consultant and the PC will be done through the Principal Agent and be in writing, including the issue and responses to non-conformances and H&S audit results.

Failure to address issues timeously will be considered a serious offence.

20. Care of Workers on Site (Welfare)

Adequate toilets, clean, safe drinking water and weather protected shelter will be afforded workers at all times. Toilets will be within reasonable distance of workers, or placed with each working team in safe, with reasonable privacy.

Hand washing facilities, disinfectants and sanitizers will be provided across the site at common areas and entrances to work areas.

Failure to ensure compliance will be considered a serious offence, work will be stopped if con-conformances noted until corrected.

21. HEALTH AND SAFETY FILE

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. The H&S file is required to be laid out in a logical manner, and documentation filed within the file is to be easily accessible.

The following completed information shall be included (but not be limited to) as part of the index:

- The SSHSS;
- The SSHSP and the approval by Client;
- Appointment by Client;
- Mandatory agreement with Client;
- Notification of construction work;
- A record of all working drawings, calculations and design where applicable;
- Detailed list of Contractors with contact details, appointments, Mandatories etc., H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Permits;
- Method statements;
- Risk assessments;
- Safe work procedures;
- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers;
- Records of audits, minutes etc.;
- Plant lists;
- Temporary electrical installations, and
- Employee records (who is on site).

22. NON-CONFORMANCES

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients or PCs H&S Plan; neither the PC nor any other Contractor shall have a claim for extension of time or any other compensation.

The following constitute examples of the types of non-conformances that will attract penalties:

| Minor: Penalty: R50/count | Medium: Penalty: R500/count and a non-conformance | Severe Penalty: R5000/count, a non-conformance and/or activity stoppage |
|---|--|---|
| Non-use of PPE supplied | Toilets not supplied or regularly serviced; lack of drinking water | Contractors working without Health and Safety Plan approval |
| Non-completion of registers for plant and equipment on site | Contractors not audited | Workers transported in contravention of the OHS plan or legal requirements |
| Lack of H&S signage at work areas | Working without training or the appropriate, approved H&S method statements | Invalid Letters of Good Standing |
| Tools and equipment identified in poor condition during inspections | Legal non-conformances identified during the previous audit and not addressed within the agreed time frame | Non-compliance with traffic accommodation requirements: layout or physical conditions |
| | No monthly OHS report at site meeting to report on | Any serious breach of legal requirements |
| | No certificates of fitness for workers as required | |
| | Working without approved method statements | |

23. Failure to Comply with Provisions

Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause for the engineer to apply penalties as follows:

- (i) A penalty as shown in the Table above shall be deducted for each and every occurrence of non-compliance with any of the requirements of the SSHSS,
- (ii) In addition, a time-related penalty of R500,00 per hour over and above the fixed penalty may be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the Designer. The site instruction shall state the agreed time, which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given.

24. Public safety

The Principal Contractor shall ensure at all times that staff, and general public are aware of the dangers and risks involved whilst construction is taking place.

- Safety signage / posters shall be posted at all areas where construction work is taking place;
- Edges, excavations, stockpile areas, material storage areas, will be demarcated and no entry signage appended;
- Safety talks with employees shall be done, all employees shall be involved in keeping the site safe;
- CLO shall be given talks to do with the community members who are directly involved;
- A record of all training shall be kept, and indemnity documents shall be signed by those attending the safety talks.
- Community unrest shall be handled by the local SAPS. CLO shall assist the Contractor should the need arise.

- No visitors to site are allowed unless proper arrangements are made.

ANNEXURE A CLOSE OUT REQUIREMENTS

The H&S files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project. The following list is an example of what should be included but is not exhaustive. The OHS Consultant or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are met. Documentation would include all records from the start of the project. Daily or monthly plant inspection records are not required unless they are related to an accident. All records to be in electronic format and submitted to the OHS agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Health and Safety close out file requirements include:

- a) Client H&S Specification
- b) Principal Contractor's OHS Plan(s)
- c) Organograms
- d) Legal Appointments
- e) List of all employees employed on a permanent or contractual basis over the duration of the contract
- f) Notification to Department of Labour of commencement of work
- g) Letters of Good Standing for the Project
- h) Full files for all Contractors as well as their close out reports
 - List of Contractors
 - All employees employed on a permanent or contractual basis over the duration of the contract
 - Letters of Approval of Contractors
 - Mandatary Agreements
 - Letters of Good Standing
 - Appointments
- i) Incident Records
- j) Non- Conformance records
- k) Agent's Audits
- l) Method Statements
- m) Risk assessments
- n) Safe work procedures
- o) Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended
- p) All drawings for temporary structures (suspended beams/scaffolds etc.)
- q) All operating manuals for any systems that require ongoing maintenance
- r) Copies of test results, policies and procedures for environmental monitoring (silica, noise, dusts etc.)

Defect and Liability Period

The H&S files are to be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Contractors. Any work required during the defect and liability period will require an assessment of the H&S file by the OHS Consultant to any work commencing.

A copy drawing records for the as-builts are to be placed on file by the Designers once complete



CLIENT: ECDoE
 PROJECT: DoE Small Projects
 COMPILED BY: Ntokozo Ngwenya
 REVISION: 00

| | HAZARD | RISK | MINIMUM CONTROL MEASURES |
|----|--------------------------------------|--|---|
| 1. | Electrical commission | Electrical shock | <ul style="list-style-type: none"> - Personnel to comply with permits to work issued by client. - Personal protective equipment to be worn by employees to prevent electrical shock. - First aid treatment to be readily available. - Only competent and trained persons may decommission or commission electrical equipment. |
| 2. | Excavations (working in and around) | Toxic fumes Collapse of trench walls/trapping Falling into excavation Collapse of adjacent structures | <ul style="list-style-type: none"> - Deep excavation/ Monitor air for toxic fumes. - Prevent collapse by battering back sides to safe angle or install temporary support. - Protect vehicles from falling into excavations, provide barriers, signage, etc. as necessary. - Beware of undermining of other structures (e.g. building , scaffolds). - Record excavations inspections by competent person on daily basis. - Provide suitable means of access/egress in case of emergency. - Excavations formed by explosives must be accompanied by method statement approved by client. |
| 3. | Explosive actuated fastening devices | Noise Being stuck by cartridge or fixing | <ul style="list-style-type: none"> - Operators to be trained, competent and wear appropriate protective equipment, e.g. goggles, gloves, ear plugs and head protection. - Cartridge gun to be in good condition, inspected for damages and faults regularly and results entered register. - Used and unused cartridges gun should be kept in a secure place when not in use, maintain register for return and issue. |
| 4. | Explosive use | Injuries to personnel and by-passers Property damage | <ul style="list-style-type: none"> - Blaster must have all relevant permits, permission and licenses in place before blasting. |



CLIENT: ECDoE
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COMPILED BY: Ntokozo Ngwenya
REVISION: 00

| | | | |
|----|--------------------------|---|--|
| | | | <ul style="list-style-type: none">- Method statement must be approved.- Maintain exclusion zone around perimeter of blasting, warn persons away, erect warning signage and barriers.- Obtain permission from local authority and police.- Blaster must be competent in blasting.- Ensure blasting does not affect stability of adjacent structures/building. |
| 5. | Fire | Injuries to workers, pedestrians, residents, road users, damage to property through fire. | <ul style="list-style-type: none">- No littering on site which could become a fire hazard, maintain site in clean condition.- No fires to be lit on site, have a working fire extinguisher at hand all times.- No smoking or naked flames near flammable substances or in unauthorised areas.- Ensure proper storage/use of petrol/diesel/flammable substances, post warning notices |
| 6. | Flammable liquids | Fire Explosion | <ul style="list-style-type: none">- No littering on site which could become a fire hazard, maintain site in clean condition- Have a working fire extinguisher at all times. |
| 7. | Asbestos Cement pipes | Release of asbestos fibres | <ul style="list-style-type: none">- Ensure safe access and egress is provided.- Erect physical barriers to prevent entry by unauthorised persons, as applicable.- Damp down exposed area to contain fibre release.- Personnel involved to wear asbestos respiratory protection.- Only Department of Labour registered asbestos contractors may work with asbestos, and strictly in accordance with the requirements of the Asbestos Regulations. |



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| 8. | Asbestos Cement removal | Person falling from height Debris falling from height Falling of equipment or tools Release of asbestos fibres | <ul style="list-style-type: none">- Notice to be erected informing personnel of fragile roofs, as applicable.- Ensure of safe access and egress in provided.- Erect physical barriers to prevent entry by unauthorised persons and falls from heights, as applicable.- Roof sheets to be sprayed with water to prevent fibre release, where feasible.- Take extreme care to remove sheets whole. Where breakage occurs damp down exposed area to contain fibre release.- Personnel involved to wear respiratory protection.- Exclusive zone may be required under area of sheet removal to prevent injury from falls of material from heights.- Only Department of Labour registered asbestos contractors may work with asbestos, and strictly in accordance with the requirements of the Asbestos Regulations. |
| 9. | Asphalting | Fire Burns to skin Skin disease | <ul style="list-style-type: none">- Suitable fire extinguisher to be place prior to commence of works- Ensure competent personnel using material and competent and trained machinery/equipment operators.- Ensure there is a safe workplace at all time.- Ensure all personnel wear sufficient personal protective equipment (PPE) including safety boots, reflective vests and gloves.- Health and safety data sheet required. |
| 10. | Bricklaying | Caustic contamination with mortar Contact with sharp blade tools | <ul style="list-style-type: none">- Use only trained personnel.- Safe means of access to be provided. |



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| | | | <ul style="list-style-type: none"> - Safe/suitable working platform required where working at height. - PPE for mortar to include gloves where practical and goggles/ masks where there is a risk of contamination |
| 11. | Brush cutting | <p>Injury from contact with blade/nylon Fire (where petrol used) Electrocutation (where electrical tools are used)</p> | <ul style="list-style-type: none"> - Person using brush cutter must be trained and competent. - Use PPE such as goggles, safety boots, ear protection, gloves, hard hat. - Brush cutter must be in good condition and maintained. - Adequate supervision on site at all times. - No smoking when refuelling, fire extinguisher to be on hand (where petrol is used) |
| 12. | Chainsaw use | <p>Falling tree or branches causing injury to persons Incorrect use of chainsaw causing injury</p> | <ul style="list-style-type: none"> - Person using chainsaw must be trained and competent - Use PPE such as goggles, safety boots, ear protection, gloves, hard hat, chainsaw trousers and jackets. - Chainsaw must be in good condition including guards. - Clear area below area of chainsaw use and where tree felling.' - When using chainsaw at height practise safety procedures |
| 13. | Plumbing | <p>Falling material Fall from height Fire Burns Exposure to lead flames</p> | <ul style="list-style-type: none"> - Ensure standard safety procedures are followed at all times - Only used trained and competent personnel - Ensure there is a safe working area at all times. - Ensure material are stored neatly - Ensure there is a safe access and egress at all times. - Ensure all personnel wear suitable and sufficient PPE. - Consider a hot works permit system prior to commencing of any hot works. - Make sure emergency procedures are in place and ensure all |



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| | | | personnel are aware of where to go in case of fire. |
| 14. | Plastering | Falling material Fall from height Contact with materials | <ul style="list-style-type: none"> - Ensure standard safety procedures are followed. - Ensure there is a safe working area. - Ensure safe access and egress. - Ensure competent personnel are used. |
| 15. | Plant or vehicles and equipment operation | Workers injured by passing traffic Road users and pedestrians at risk from plant operation Noise | <ul style="list-style-type: none"> - Implement traffic protection measures. - Trained and competent operators must be used. - Check plant and vehicles on daily basis before use and record inspections. Maintain vehicles in safe condition. - Medical certificates of fitness required for construction plant. - Crossing of road by construction vehicles or machines must be limited to the practical minimum. - Plant and vehicles must be fitted with amber rotating beacons and reverse alarms. - Wear appropriate PPE |
| 16. | Pilling | Falls Struck by machine Exposure to noise | <ul style="list-style-type: none"> - Personnel to be trained and competent, pilling rig to be in safe condition and inspected on a daily basis on a register by competent personnel. - Empty pilling holes not to be left unguarded. - Only approach pilling plant on signal from operator. - Personnel to wear PPE such as ear plugs. |
| 17 | Paving (laying) | Impact injuries from tile/ mallet Caustic burns Sore knees Cuts from cutter | <ul style="list-style-type: none"> - Impervious gloves to be worn/ barrier cream to be used - Kneelers or similar to be available. - Personal protective equipment to be worn. |
| 18 | Painting | Contact with paint | <ul style="list-style-type: none"> - Refer to safety data sheet for usage instructions, hazards and precautions required. |



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| | | | <ul style="list-style-type: none"> - When working at height, refer to risk assessment addressing this hazard. |
| 19 | Overhead services (Working near) | Contact with live services causing injury to personnel Damage caused to services | <ul style="list-style-type: none"> - Maintain safe clearance levels. - Establish presence of any services via proper walk through survey of site and/ or means service drawings. - Wear personal protective clothing. - Ensure height of plant/ vehicles does not compromise or exceed clearance levels from service provider. |
| 20 | Noise and Dust | Breathing in dust can cause long term health problems, noise can damage hearing | <ul style="list-style-type: none"> - Wear respiratory and hearing protection. - Dampen down and minimise dust where possible. |
| 21 | Night work | Security Lighting | <ul style="list-style-type: none"> - The contractor shall not undertake any night work without prior arrangement and written permit from the client. - The contractor shall ensure that adequate lighting is provided for all night work and failure to do so shall result in work being stopped |
| 22 | Compacting and filling | Contact with tipping materials Contact with moving plant Vehicles/personnel falling into excavations Contact with underground services | <ul style="list-style-type: none"> - Trained banks man to control vehicle movement - Only trained personnel to use plant - Personnel to stand clear as materials are being tipped - Use stop blocks and signs to warn vehicles of excavations, where applicable - Stand clear of plant whilst material is being compacted - Establish position of underground services and protect services from damage. |
| 23 | Concrete pumping | Sprains and strains Hit by pump Concrete burns Collapse/bursting of structure | <ul style="list-style-type: none"> - Personnel to be in clear vision of pump operator - Trained pump operator - Personnel working with the concrete to wear the appropriate equipment to protect against cement burns |



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| | | | <ul style="list-style-type: none"> - Design of structure being loaded to be approved by competent designer and inspect before, during and after loading. - Pump to be well maintained |
| 24 | Compactor operations | Crush of feet | <ul style="list-style-type: none"> - Only trained and competent personnel to use the machine - Ensure operators wear steel toe caps shoes or boots at all times |
| 25 | Confined spaces | Suffocating Fumes | <ul style="list-style-type: none"> - Ensure that confined spaces is sufficiently ventilated - Wear personal protective equipment such as proper masks if air supply insufficient or not of sufficient quality. - Test oxygen levels in confined space to ensure that is safe for entry - Ensure that emergency procedures are in place |
| 26 | Cutting Kerbs | Saw slipping, blade disintegrating | <ul style="list-style-type: none"> - Only trained operators to use saw and change blades. - PPE must be worn, gloves, goggles, dust mask and hearing protection. - People to be kept away from the work area. - Work to cease if people have to pass - Sparks etc. To be directed away from people and any flammable material. |
| 27 | Cutting Off Disc | Noise Cuts from machine Fire (particularly at refuelling) Flying debris Blade shattering Contamination by fume created or exhaust fume | <ul style="list-style-type: none"> - Use competent personnel - Hot works control, fire extinguisher, fire watch man. (permit may be required). - PPE to include gloves, eye protection, hearing protection. - Solid working position - Clear working area - Correct grade of blade must be used - Good ventilation to be provided (Forced if necessary) - Changing of wheels to be by competent persons only |



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| | | | <ul style="list-style-type: none"> - Cutting discs must not be used for grinding (grinding disc thicker). - Bystanders to wear hearing protection, as applicable. |
| 28 | Demolition | Falling materials premature collapse of structure | <ul style="list-style-type: none"> - Ensure there is current method statement in place - Ensure all emergency procedures are in place and all details are displayed. - Ensure that structural demolition has been approved by designer and site management |
| 29 | Kerb Laying | Nips at joints Crushing by kerbs Caustic burns | <ul style="list-style-type: none"> - Impervious gloves and barrier cream to be used to protect hands. - Personnel should be aware of safe manual handling techniques when handling kerbs. |
| 30 | Lead – working with removal of tiles | Toxic effects from exposure to lead and its compounds Risk of inhalation, ingestion and absorption Personnel falling from height Debris falling from height | <ul style="list-style-type: none"> - Demarcation of the workplace - Restriction of entry by unauthorised persons - Restriction of substances that can release airborne lead to certain areas - Limit number of workers exposed to lead - Regular cleaning of workplaces and equipment - All employees who are exposed to lead must be provided with suitable and adequate PPE - Lead is to be packed in impermeable containers that are tightly sealed and clearly marked for removal. - The need for medical surveillance and the nature thereof is to be based on both risk assessment and air monitoring results and safety legislations. |
| 31 | Lifting Operations | Falling material Crushing by material Hand injuries to the slinger Toppling crane | <ul style="list-style-type: none"> - Check test certificate - Check examination certificate - Check inspection have been carried out |



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| | | | <ul style="list-style-type: none"> - Check certificates for lifting equipment (chains, slings, shackles, etc.) |
| 32 | Fragile Materials | Person or items falling through fragile materials | <ul style="list-style-type: none"> - All fragile materials to be identified and protected prior to work commencing. - Protection to include either covering the fragile materials or excluding activity. - Any coverings to be secured in place - The location of the fragile materials to be indicated by signage |
| 33 | Hand tools | <p>Injuries caused by use of hand tool</p> <p>Impact with the tool</p> <p>Falls due to access problems</p> <p>Contamination with substance being worked</p> | <ul style="list-style-type: none"> - Ensure: - Tool is correct for the job - Tool is in good order and suitably sharp - Personnel must be competent/instructed in tool usage and tool safety - Lighting is sufficient - Access is safe, working platform is secure, leading edge is guarded - Operative is wearing all necessary PPE |
| 34 | Hazardous Substances | Injuries to workers through use of hazardous substances, e.g. injuries to eyes, skin, etc.. | <ul style="list-style-type: none"> - Use substances in accordance with the safety data sheet particularly reference protective clothing required. (example: gloves, goggles, etc.) - Know what first aid measures are. - Have welfare facilities available for washing of hands, etc.. |
| 35 | Hot Works | Burns to eyes or other parts of the body | <ul style="list-style-type: none"> - PPE to include eye protection, kin and ear protection. - Respirator maybe be required where cutting galvanized steel or anywhere else toxic fumes and gases arise. - Dust can also be a problem and forced ventilation may be required |
| 36 | Mobile Crane Erection & Dismantling and Use | <p>Collapse of structure</p> <p>Overturning structure</p> <p>Falling Materials</p> | <ul style="list-style-type: none"> - Ensure emergency procedures are in place and all operative are aware of the details |



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| | | | <ul style="list-style-type: none"> - Only used trained and competent operators for the erection and dismantling and use of cranes - Ensure crane driver is trained and hold certification as proof. Must have a valid medical fitness certificate - Ensure crane is 360 degrees vision if not ensure a fully trained banks man is available at all times. - Banksman to wear reflector vest to identify him/herself to the crane driver - Ensure all personnel wear suitable and sufficient PPE - Consider creating an exclusion area |
| 37 | Members of the public – Protection Of | Injury to the member of the public and road users from site works | <ul style="list-style-type: none"> - Barriers and signage to be in place - Workers must warn away members of the public from the works - Footpaths and bridges which are open to the public must be closed off if in the area of works otherwise made safe so that no injury to a member of the public occurs - Traffic turning into site – traffic management and signage is required - Signage to be on the road at site entrance warning motorists that construction traffic turning into/out of site access. Keep roads free of mud where possible - Refer to plant risk assessment for details on plant safety precautions - NOTE: SIGNAGE TO BE POSTED ON SITE TO WARN OF CONSTRUCTION MOVEMENTS. SAFE MEANS OF ACCESS FOR BOTH CONSTRUCTION TRAFFIC TO SITE AND PROVATE HOMEOWNERS MUST BE AGREED |
| 38 | Manhole Rings & Pipe Storage | Rolling of rings Collapse of pipes Crushing of persons Stockpile collapse | <ul style="list-style-type: none"> - Manhole rings must be stored flat to prevent them being rolled - Banks of stock pipes are not to be broken until they are ready to be used |



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| | | | <ul style="list-style-type: none"> - Personnel must stand to the side when breaking bands so as not to be hit by falling pipes - Pipes must be wedged to prevent rolling |
| 39 | Temporary Works – Shoring, Scaffolding, falsework, formwork | Collapse of works | <ul style="list-style-type: none"> - Wear PPE such as gloves and goggles - Formwork must be built by trained person and also be inspected by competent person and results entered into register on site/ |
| 40 | Tower (Mobile Aluminium Tower) Scaffold | Overturning Falls | <ul style="list-style-type: none"> - Tower to be on firm level ground with wheels or feet properly supported - Erection by competent person - Inspection before first use - Weekly record of inspection required - Guard rails and toe boards as per normal scaffold - Beware when moving of overhead obstructions, such as power lines - Never move in strong winds |
| 41 | Underground Services | Striking of buried services | <ul style="list-style-type: none"> - Make all necessary enquiries to establish what services are in the area - Assume all services to be live (unless confirmation is received to confirm that services are isolated or otherwise made safe. - Comply with requirements of the safe system of work for underground services - Where available locate services with a locator - Hand dig around services |
| 42 | Working at height | Personnel falling from height Falling debris Those beneath being injured | <ul style="list-style-type: none"> - All access equipment is properly constructed (inspection record must be maintained) - Only trained personnel construct, dismantle or control access equipment - All equipment must have full toe boards and guard rails, Comply |



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| | | | <p>with SANS10085 on erection, use and dismantling scaffolding</p> <ul style="list-style-type: none"> - No access equipment to be loaded above its safe working load - No access equipment to be loaded above the level of the guardrail - Where working involves leaning out an open leading edge, then all personnel are to be fitted with a full body harness. The harness must be connected at all times - All fall arrest equipment to be correctly maintained - Ensure if ladders used for access, they are either footed or tied. |
| 43 | Precast slab/ Unit laying and fixing | Falls Falling material Manual handling | <ul style="list-style-type: none"> - Emergency procedures are in place and personnel explained details - Use competent personnel - Ensure suitable and sufficient access and egress is provided - Safe place of work must be provided - Ensure all personnel wear correct PPE - Exclusion zone may be required for protection against risk of falling objects |
| 44 | Road Construction | Risk of being struck by vehicles | <ul style="list-style-type: none"> - Ensure traffic management measures in place - No construction activities to commence until adequate provision made to accommodate traffic in accordance with the South African road signs manual - Wear reflective waist coats when working on or near the road and road shoulder as well as any either required PPE clothing - Crossing of road by personnel must be limited to the practical minimum - Use of fencing or other barriers as appropriate. |
| 45 | Road Marking | Contact with moving vehicles | <ul style="list-style-type: none"> - Ensure suitable and sufficient road signs are erected, as applicable |



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| | | Fire | <ul style="list-style-type: none">- Possible road or lane closure may be required, traffic management may be required- Fire extinguisher to be situated in a suitable area, use dry powder or foam |
| 46 | Rope Access | Personnel falling from Height Falling debris Those beneath being injured | <ul style="list-style-type: none">- Ensure:- Competent person is appointed in writing to supervise all rope access on the site- Compliance with Construction regulations particularly section 10 & 18- All rope access work is carried out under supervision of a competent person- All rope access operators are competent and licensed to carry out their work- The design, selection and use of the equipment and anchors comply with safety standards incorporated for this purpose into these regulations under section 44 of the act.- Site specific fall protection plan must be developed by a competent person applicable to the specific work and environment prior to the commencement of the work including all records of maintenance and inspections of all equipment used for the work operations |
| 47 | Steel fixing | Back injuries caused by manual handling Eye injuries from tie wire Trips/Falls Falling from height | <ul style="list-style-type: none">- PPE must include safety boots and goggles- Manual handling training may be required- Care to be taken when near overhead lines- Use only trained personnel- Provide safe means of access- Maintain and regularly inspect all lifting appliances and equipment |



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| | | | <ul style="list-style-type: none"> - Cap starter bars to prevent injuries where feasible - Construct scaffold walkway to cross reinforcing mesh, as required |
| 48 | Steel erection | <p>Falls from height Falling components Contact injuries from falling lifting equipment</p> | <ul style="list-style-type: none"> - Adhere to all general precautions for working at height - Barrier off/ exclude area below work - All lifting appliances to be examined and inspected - Inspection register in place and up to date - All personnel to be trained and competent wear clipped on safety harnessed when working on height - Ensure that lifting equipment (slings, chains and shackles) test certificates are current and on site - Competent persons only to connect loads and direct plant |
| 49 | Work over or next to water | Drowning | <ul style="list-style-type: none"> - Evaluate the depth of water, height above water that work takes place, whether workers can swim or not and then determine safety precautions required: these may include such measures such as barriers, signage, life belts, safety harness etc. - When working on river/harbour/dam edge, erect life saving devices and barriers to protect workers and vehicles (Stop blocks may also be required). Only trained and competent personnel may be used |
| 50 | Scaffold Erection/Dismantling | <p>Personnel falling from height Items of scaffold falling onto personnel Scaffold collapsing onto those below</p> | <ul style="list-style-type: none"> - Ensure: - Scaffold is designed to take the imposed load - Scaffold is not overloaded - Scaffolders are fully trained - Scaffolding is regularly checked by competent person and record of inspection retained. Written inspections to be recorded on weekly basis. |

AGREEMENT WITH MANDATARY

**WRITTEN AGREEMENT ENTERED INTO
AND BETWEEN**

(Hereinafter referred to as the Employer)

and

(Hereinafter referred to as The Employee)

Compensation Fund
Number:

Whereas the Company called under contract no. _____ for the executing of the following

At _____ (“Premises”)

and whereas the contractor _____

Undertook to carry out the work and whereas the client contractor have agreed to regulate as between them and as provided for in terms of section 37(2) of the Occupational Health and Safety Act, No 85 of 1993, now therefore the undersigned agree to:

1. The Contractor warrants that all his and his contractors’ employees are covered in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act 1993 (the Act) which cover shall remain in force whilst any such employees are on the premises.
2. The Contractor warrants that he is in possession of the following insurance cover which shall remain in force whilst he and/or his Contractor and/or his employees are present on the premises or which shall remain in force for the duration of his contractual relationship with the client whichever period is the longest:
 - Public liability insurance covers.
 - Any other insurance cover that will adequately make provision for any possible losses and/or claims arising from his and/or his contractors and/or his Employees’ acts and/or omissions on the premises.
3. The Contractor undertakes to ensure that he and/or his contractors and/or their respective employees will at all times comply with all the requirements of the Act and without derogating from this general undertaking, also comply with the following conditions:
 - All work performed on the premises must be performed under the close supervision of the contractor’s employees who are trained to understand the hazards associated with any work that the contractor performs on the stated premises.
 - The Contractor shall assume the responsibility in terms of Section 16(1) of the Act. If the Contractor delegates any duty in terms of Section 16(2), a copy of such written delegation shall immediately be forwarded to the Client.
 - The Contractor shall ensure that he familiarize himself with the requirements of the Act, and that he, his employees and any Contractor comply with them.
 - The Contractor shall conduct a hazard analysis and ensure that his and any contractor employees are made aware of the hazards identified. This analysis needs to be reviewed prior to a new tasks are commenced.

The Contractor must provide the Client with written proof that his employees and those of the sub contractor have been made aware of the hazards identified. The Contractor must provide the Client with up dated copies of the analysis.

- Discipline regarding Occupational Health and Safety shall be strictly enforced.
- Personal Protective Equipment as defined in the Act and regulations shall be issued free of charge by the Contractor and worn as prescribed.
- Safe work practices shall be enforced and all employees shall be made conversant with the contents of these practices.
- No unsafe equipment/machinery and/or articles will be allows and/or used on the premises.
- All incidents referred to in Section 24 of the Act shall be reported by the Contractor to the Department of Labour as well as to the client. The Client shall further be provided with copies of all documentation relating to any incident.
- The Client hereby obtains an interest in the issue of any formal inquiry conducted in terms of Section 32 of the Act into any incident involving a Contractor and/or his employees and/or his Contractor.
- No use shall be made of any machinery/article/substance/personal protective equipment that belongs to the Client without prior written approval.
- Work for which the issuing of a permit is required shall not be performed prior to the obtaining of a duly completed and approved permit.



- No alcohol or other intoxicating substance shall be allowed on the premises. Anyone found to be or suspected of being under the influence of alcohol or any other intoxicating substance shall be removed from the premises.
 - Full participation shall be given if and when Client employees inquire into Occupational Health and Safety issues.
 - The Contractor expressly agrees to comply with the procedures and arrangements as required by the Act in the execution of the work.
4. The Contractor confirms; that he has been informed that he must report to Client management ;(in writing) anything that he deems to be unhealthy and/or unsafe and that he has versed his employees and/or contractors in this regard.
5. The Contractor warrants that he shall not endanger the health and safety of any of the Client's employees in any way whilst performing any work on the premises.

_____ Date _____
1. Signed by Client Rep

_____ Date _____
2. Signed by Contractor or his Authorized Represent

C3.4 Contractors Reports

CONTRACTOR MONTHLY REPORT

PART 1

Project No: Project Name:

Contract No:

Contractor Name:

Claim No: For Period Ending:

Date of Report:

The Contractors monthly report comprises an integral part of the Contractors payment claim and processing of the payment claim is not permitted without this report also being submitted i.e.

“NO REPORT – NO PAYMENT”.

Attachments:

Part 2 : Overall Project Worker Schedule: Schedule of all local labourers employed since the start of the project

Part 3 : Weekly Task Wage Register

Part 4 : Local Labour Schedule

Part 5 : Beneficiary List (certified copy of ID's)

Additional Requirements:

1. When contractor recruit local labourers, they must produce a 13 digit identity document and a certified copy of the ID must be forwarded to the DRPW Regional EPWP representative
2. That at least one disabled person be recruited and employed on the project and reported as such
3. A daily attendance register should be kept on site
4. Each beneficiary must **sign** the payment sheet, as proof that they have been paid.
5. At the bottom of the contractors report, the site agent or CLO or contractor must sign the document as proof that the people indicated have worked the number of days
6. Employment of local labourers should constitute the following:
 - a. 55% women
 - b. 55% young people
 - c. the minimum wage rate to be paid is in accordance with the National Minimum Wage Act, 1 March 2023 of the latest Published Act.

Project No.

Project Name:

Month of Report:

Sheet: of

Names of all Local Workers employed at any time on the project are to be entered in the table below irrespective of how long they worked on the project.

| No. | Name of Local Labourer | Identity Number | Month Worker Started | Age | Tick if Yes | | | | | | | | | Place a tick in the box which corresponds to the Gender and Age of the Worker | | | | | | | | | |
|-----------------------------------|------------------------|-----------------|----------------------|-----|--|----------|----------|--------------|---------|------------|----------|------------|--------------|---|-------------------|----------------|-------------------|--|--|--|--|--|--|
| | | | | | Female Head of Household with Dependants | Disabled | Labourer | Semi-Skilled | Skilled | Supervisor | Clerical | Managerial | Professional | Women | | Men | | | | | | | |
| | | | | | | | | | | | | | | Over 35 yrs 2A | 35 yrs & under 2B | Over 35 yrs 2C | 35 yrs & under 2D | | | | | | |
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| Totals for this sheet | | | | | | | | | | | | | | | | | | | | | | | |
| Totals from previous sheet | | | | | | | | | | | | | | | | | | | | | | | |
| Totals carried forward | | | | | | | | | | | | | | | | | | | | | | | |

Total No. of workers Employed on the Project

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) = (J+K+L)

NOTE: LOCAL LABOUR TARGETS TO BE ACHIEVED WITH REGARD TO EPWP RELATED WORKS: Women = 55%; Youth = 55%; Disabled = 2%

Completed by: Name: Signature:..... Capacity Date:.....

Project No. Project Name: Week Ending: Sheet:..... of

| Entries in this portion to be completed by Foreman | | | | | | | | Entries in this portion to be Completed by Contractor | | | | | |
|--|----------------------|------------------|-----|-----|-----|-----|-----|---|----------------------------------|-------------------|-----------------------------|---|---------------------------------|
| No. | Name of local worker | Day Tasks Worked | | | | | | | Payment | | | | |
| | | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Total DAY TASKS worked this week | Rate per DAY TASK | Total Payment due to Worker | Workers signature on receipt of Payment | Date Payment Received by Worker |
| | | | | | | | | | | | | | |
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| Totals This Sheet | | | | | | | | | | | | | |
| Totals Brought Forward From previous Sheet | | | | | | | | | | | | | |
| Totals Carried Forward | | | | | | | | | | | | | |
| | | | | | | | | | (A) | | (B) | | |

Completed by: Name: Signature: Capacity: Date:

LOCAL LABOUR AND MATERIAL SCHEDULE

PART 4

Contract No: Date of Report:
 Project No: Project Name:
 Claim No: For Period Ending:
 Contractor Name:

1. Summary of Day Tasks worked and Amount Spent on Local Labour this month

| Week No. | Week Ending | Total Day Tasks / Person Days Worked | Total Amount Paid |
|--------------|-------------|--|--|
| | | (Total of (A) from Form 4 for each week) | (Total of (B) from Form 4 for each week) |
| 1 | | | R |
| 2 | | | R |
| 3 | | | R |
| 4 | | | R |
| 5 | | | R |
| 6 | | | R |
| 7 | | | R |
| 8 | | | R |
| 9 | | | R |
| Total | | | R |

Transfer to 2 in table below

2. Summary of Amount Spent on Local Labour to date

| | |
|--|---|
| 1. Previous Amount Spent on Local Labour (From previous claim) | R |
| 2. Amount Spent on Local Labour this month (From Total above) | R |
| 3. Total Amount Spent on Local Labour to date (3)=(1+2) | R |

3. Local Labour Schedule

| Summary of Local Labour Employed | No. of local workers who worked on the project to date (From Part 2) | % of Total |
|--|--|------------|
| Columns refer to Columns in Part 2 | | |
| 1. Total No. of individual local workers who have worked on the Project (Column N) | | 100% |
| 10. How many of the Total No. are local youth (35 yrs and under) (Column B & D) | | |
| 11. How many of the Total No. are local women (Column A + B) | | |

4. Summary of Amount Spent on Material to Date (Cumulative)

| Item | This Month | Total to date |
|------|------------|---------------|
| | | |

Part 5: Pricing Data

C2.1 Pricing Instructions

C2.1: PRICING INSTRUCTIONS JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

| | |
|----------------|--|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| BID No: | SCMU6-23/24-0001 |

1. BILLS OF QUANTITIES

The **bills of quantities** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Bid, Conditions of Contract, Specifications, Drawings and all other relevant documentation.

2. VALUE ADDED TAX

The bid price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

3. PREVIOUS WORK

The bidder is to acquaint themselves with the site thoroughly before pricing. Adjustment of prices will not be entertained after the award of the contract.

C2.2 Preliminaries / Bill of Quantities / Final Summary

| Item No | | Quantity | Amount |
|---------|--|----------|--------|
| | <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p>A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:</p> <p>"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p> | | |
| | Carried to Collection | R | |
| | Bill No. 1 Preliminaries | | |

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion

Clause 1.1 Definition of "Corrupt Practice" is added:

"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "**Fraudulent Practise**" is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).

Clause 1.1 Definition of "**Principal Agent**" is amended by replacing it with the following:

"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss

Clause 1.6 is amended by replacing the works "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed:_____ Value related:_____ Time related:_____

Carried to Collection

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Item

R

OBJECTIVE AND PREPARATION

2 **A2 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

3 **A3 DOCUMENTS**

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The **contractor** shall supply and keep a copy of the **JBCC** Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the **site**, to which the **employer, principal agent and agents** shall have access at all times

Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**"

Fixed: _____ Value related: _____ Time related: _____

Item

4 **A4 DESIGN RESPONSIBILITY**

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

5 **A5 EMPLOYER'S AGENTS**

Clause 5.0

Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 and 38.5.8

Fixed: _____ Value related: _____ Time related: _____

Item

6 **A6 SITE REPRESENTATIVE**

Clause 6.0

Fixed: _____ Value related: _____ Time related: _____

Item

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7 **A7 COMPLIANCE WITH REGULATIONS**

Clause 7.0

Note: The provisions herein include *inter alia*, compliance with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 2014 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor

See also clause C10 of Section C - Specific Preliminaries

Fixed: _____ Value related: _____ Time related: _____

Item

8 **A8 WORKS RISK**

Clause 8.0

Fixed: _____ Value related: _____ Time related: _____

Item

9 **A9 INDEMNITIES**

Clause 9.0

Fixed: _____ Value related: _____ Time related: _____

Item

10 **A10 WORKS INSURANCES**

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6

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- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable
- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

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10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the commencement **date** of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor's** own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

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10.7.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

Fixed: _____ Value related: _____ Time related: _____

Item

11 A11 LIABILITY INSURANCES

Clause 11.0

Fixed: _____ Value related: _____ Time related: _____

Item

12 A12 EFFECTING INSURANCES

Clause 12.0

Fixed: _____ Value related: _____ Time related: _____

Item

13 A13.0 No clause

N/A

14 A14 SECURITY

Clause 14.0

Clauses 14.1 - 14.8 are amended by replacing them with the following:

14.1 In respect of contracts with a **contract sum** up to R1 million, the **security** to be submitted by the **contractor** to the **employer** will be as a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT)

14.1.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.1.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the **contractor**

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14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected.

14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**

14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**

14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party

14.4 Where **security** as a variable **construction guarantee** of ten percent (10%) of the **contract sum** (excluding VAT) has been selected:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

14.4.3 The **employer** shall return the variable construction guarantee to the **contractor** within fourteen (14) **calendar days** of it expiring

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14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.5.1 The **contractor** shall furnish a fixed construction guarantee to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of **practical completion**

14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both

14.6 Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

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14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**

14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable

Fixed: _____ Value related: _____ Time related: _____

Item

EXECUTION

15 **A15 PREPARATION FOR AND EXECUTION OF THE WORKS**

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

16 Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: _____ Value related: _____ Time related: _____

Item

17 **A16 ACCESS TO THE WORKS**

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

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18 **A17 CONTRACT INSTRUCTIONS**
 Clause 17.0
 Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated and selected subcontractors**"
 Fixed: _____ Value related: _____ Time related: _____ Item

19 **A18 SETTING OUT OF THE WORKS**
 Clause 18.0
 Fixed: _____ Value related: _____ Time related: _____ Item

20 **A19 ASSIGNMENT**
 Clause 19.0
 Fixed: _____ Value related: _____ Time related: _____ Item

21 **A20 NOMINATED SUB-CONTRACTORS**
 Clause 20.0
 Clause 20.1.3 is amended by replacing it with the following:
 No Clause
 Note: See item B9.1 hereinafter for adjustment of attendance on **nominated subcontractors** executing work allowed for under provisional sums
 Fixed: _____ Value related: _____ Time related: _____ Item

22 **A21 SELECTED SUBCONTRACTORS**
 Clause 21.0
 Clause 21 is amended by replacing it with:
 No Clause
 Fixed: _____ Value related: _____ Time related: _____ Item

23 **A22 EMPLOYER'S DIRECT CONTRACTORS**
 Clause 22.0
 Fixed: _____ Value related: _____ Time related: _____ Item

Carried to Collection

R

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 Preliminaries

| | | |
|----|--|------|
| 24 | <p>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>COMPLETION</u></p> | Item |
| 25 | <p>A24 PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 26 | <p>A25 WORK'S COMPLETION</p> <p>Clause 25.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 27 | <p>A26 FINAL COMPLETION</p> <p>Clause 26.0</p> <p>Clause 26.1.2 s amended by inserting "#" next 26.1.2</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 28 | <p>A27 LATENT DEFECTS LIABILITY PERIOD</p> <p>Clause 27.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 29 | <p>A28 SECTIONAL COMPLETION</p> <p>Clause 28.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 30 | <p>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing it with:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |

Carried to Collection

R

Bill No. 1
Preliminaries

31 **A30 PENALTY FOR NON-COMPLETION**

Clause 30.0

Fixed: _____ Value related: _____ Time related: _____

Item

PAYMENT

32 **A31 INTERIM PAYMENT TO THE CONTRACTOR**

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Alternative B

31.8(B) Where **security** is a payment reduction in terms of 14.7 the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

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31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

Item

33 A32 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the **contractor**"

Fixed: _____ Value related: _____ Time related: _____

Item

34 A33 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Item

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35 **A34 FINAL ACCOUNT AND FINAL PAYMENT**

Clause 34.0

Clause 34.1 is amended by removing "#" next to 34.1

Clause 34.2 is amended by inserting "#" next to 34.2

Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"

Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty-one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

Fixed: _____ Value related: _____ Time related: _____

Item

36 **A35 PAYMENT TO OTHER PARTIES**

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

CANCELLATION

A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of he conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"

Clause 36.0 is amended by the addition of the following clause:

36.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

Item

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37 A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE

Clause 37.0

Clause 37.0 is amended by the addition of the following clause:

Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

37.5 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

Item

38 A38 CANCELLATION BY CONTRACTOR - EMPLOYER’S DEFAULT

Clause 38.0

Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

38.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed: _____ Value related: _____ Time related: _____

Item

39 A39 CANCELLATION - CESSATION OF THE WORKS

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value related: _____ Time related: _____

Item

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40 A40 DISPUTE SETTLEMENT

Clause 40.0

Clause 40.2.2 is amended by replacing “one (1) year” with “three (3) years”

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing “(10)” with “(15)” and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: _____ Value related: _____ Time related: _____

Item

SUBSTITUTE PROVISIONS

41 A41 STATE CLAUSES

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____

Item

CONTRACT VARIABLES

THE SCHEDULE (DPW04EC)

42 A42 PRE-TENDER INFORMATION

Clause 42.0

Tenderers are referred to the document C1.2 Contract Data DPW04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

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SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

43 ***B1.1 Definitions and interpretation***

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: _____ Value related: _____ Time related: _____

Item

B2.0 DOCUMENTS

44 ***B2.1 Checking of documents***

Fixed: _____ Value related: _____ Time related: _____

Item

45 ***B2.2 Provisional bills of quantities***

Fixed: _____ Value related: _____ Time related: _____

Item

46 ***B2.3 Availability of construction documentation***

Fixed: _____ Value related: _____ Time related: _____

Item

47 ***B2.4 Interests of agents***

Fixed: _____ Value related: _____ Time related: _____

Item

48 ***B2.5 Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item

49 ***B2.6 Tender submission***

Clause 2.6 is amended by replacing “JBCC Form of Tender” with “Form of Offer and Acceptance (C 1.1)”

Fixed: _____ Value related: _____ Time related: _____

Item

B3.0 THE SITE

50 ***B3.1 Defined works area***

Fixed: _____ Value related: _____ Time related: _____

Item

51 ***B3.2 Geotechnical investigation***

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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| | | |
|----|---|------|
| 52 | B3.3 Inspection of the site Tenderers shall complete the Site Inspection Certificate (T 2.2K) included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____ | Item |
| 53 | B3.4 Existing premises occupied Fixed: _____ Value related: _____ Time related: _____ | Item |
| 54 | B3.5 Previous work - dimensional accuracy Fixed: _____ Value related: _____ Time related: _____ | Item |
| 55 | B3.6 Previous work - defects Fixed: _____ Value related: _____ Time related: _____ | Item |
| 56 | B3.7 Services - known Fixed: _____ Value related: _____ Time related: _____ | Item |
| 57 | B3.8 Services - unknown Fixed: _____ Value related: _____ Time related: _____ | Item |
| 58 | B3.9 Protection of trees Fixed: _____ Value related: _____ Time related: _____ | Item |
| 59 | B3.10 Articles of value Fixed: _____ Value related: _____ Time related: _____ | Item |
| 60 | B3.11 Inspection of adjoining properties Fixed: _____ Value related: _____ Time related: _____ | Item |
| | <u>B4.0 MANAGEMENT OF CONTRACT</u> | |
| 61 | B4.1 Management of the works Fixed: _____ Value related: _____ Time related: _____ | Item |
| 62 | B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____ | Item |
| 63 | B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____ | Item |

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| | | | |
|---|---|---|------|
| 64 | B4.4 Technical meetings | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 65 | B4.5 Labour and plant records | Fixed: _____ Value related: _____ Time related: _____ | Item |
| <u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u> | | | |
| 66 | B5.1 Samples of materials | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 67 | B5.2 Workmanship samples | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 68 | B5.3 Shop drawings | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 69 | B5.4 Compliance with manufacturers instruction | Fixed: _____ Value related: _____ Time related: _____ | Item |
| <u>B6.0 TEMPORARY WORKS AND PLANT</u> | | | |
| 70 | B6.1 Deposits and fees | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 71 | B6.2 Enclosure of the works | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 72 | B6.3 Advertising | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 73 | B6.4 Plant, equipment, sheds and offices | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 74 | B6.5 Main notice board | Fixed: _____ Value related: _____ Time related: _____ | Item |

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| | | |
|----|---|------|
| 86 | B10.2 Payment for preliminaries Fixed: _____ Value related: _____ Time related: _____ | Item |
| 87 | B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "in his priced bills of quantities /lump sum document submitted with his tender offer" Fixed: _____ Value related: _____ Time related: _____ | Item |
| 88 | B10.4 Payment certificate cash flow Fixed: _____ Value related: _____ Time related: _____ | Item |
| | <u>B11. GENERAL</u> | |
| 89 | B11.1 Protection of the works Fixed: _____ Value related: _____ Time related: _____ | Item |
| 90 | B11.2 Protection / isolation of existing / sectionally occupied works Fixed: _____ Value related: _____ Time related: _____ | Item |
| 91 | B11.3 Security of the works Fixed: _____ Value related: _____ Time related: _____ | Item |
| 92 | B11.4 Notice before covering work Fixed: _____ Value related: _____ Time related: _____ | Item |
| 93 | 11.5 Disturbance Fixed: _____ Value related: _____ Time related: _____ | Item |
| 94 | B11.6 Environmental disturbance Fixed: _____ Value related: _____ Time related: _____ | Item |
| 95 | B11.7 Works cleaning and clearing Fixed: _____ Value related: _____ Time related: _____ | Item |
| 96 | B11.8 Vermin Fixed: _____ Value related: _____ Time related: _____ | Item |

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Preliminaries

| | | |
|---|---|------|
| 97 | <p>B11.9 Overhand work</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 98 | <p>B11.10 Instruction manuals and guarantees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 99 | <p>B11.11 As built information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| 100 | <p>B11.12 Tenant installations</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item |
| <p><u>B12. SCHEDULE OF VARIABLES</u></p> | | |
| 101 | <p>B12.1 Pre-tender information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted.</p> <p>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 italicized in [] brackets</p> <p>12.1 PRE TENDER INFORMATION</p> <p>12.1.1 Provisional Bills of Quantities</p> <p>[2.2] The quantities are provisional: <i>YES</i></p> <p>12.1.2 Availability of construction documentation</p> <p>[2.3] <i>Construction of documentation is complete: NO</i></p> <p>12.1.3 Interest of agents</p> <p>[2.4] Details: See Contract Data Part C/1 of Tender</p> <p>12.1.4 Defined works area</p> <p>[3.1] Details: As per Tender Data</p> <p>12.1.5 Geotechnical investigation</p> <p>[3.2] Details: NONE</p> | Item |
| <p>Carried to Collection</p> | | R |
| <p>Bill No. 1 Preliminaries</p> | | |

12.1.6 Existing premises occupied

[3.4] Specific requirements: Buildings are occupied by Learners and Contractor will need to Programme his Works together with the School Principal so as to not disturb learning processes.

12.1.7 Previous work - dimensional accuracy

[3.5] Details: To be checked on site by contractor prior to building operations.

12.1.8 Previous work - defects

[3.6] Details: To be checked on site by contractor prior to building operations.

12.1.9 Services - known

[3.7] Details: Should the contractor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the principal agent.

12.1.10 Protection of trees

[3.9] Specific requirements: All trees on the site outside of the position of the proposed structure must be protected.

12.1.11 Inspection of adjoining properties[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.

12.1.12 Enclosure of the works

[6.2] Specific requirements: The contractor shall enclose the works as required by the Occupational Health and Safety Act.

12.1.13 Offices

[6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chairs, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

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12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3000 x 3420mm all as per EPWP requirements constructed of suitable boarding with flat smooth surface and with edging bead 40mm thick all round.

The board shall be securely fixed to hoarding where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted EPWP "orange" with 40mm wide white dividing lines. All wording shall be inscribed in black painted sans serif lettering.

Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.

12.1.15 **Subcontractors' notice board**

[6.6] Specific requirements: *NO*

12.1.16 **Water**

[7.2] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.17 **Electricity**

[7.3] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.18 **Telecommunications**

[7.4] Telephone (YES)

Facsimile (NO)

E-mail (YES)

12.1.19 **Ablution facilities**

[7.5] Option A (by contractor) (YES)

Option B (by employer) (NO)

12.1.20 **Protection of existing/sectionally occupied works**

[11.2] Protection is required (Only when existing buildings) (YES)

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12.1.21 **Special attendance**

[9.2] **Electrical sub-contractor** (1) details: Site Meetings

12.1.22 **Protection of works**

[11.1] Specific requirements:

The contractor shall protect the works for the duration of the contract.

12.1.23 **Disturbance**

[11.5] Specific requirements:

The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

12.1.24 **Environmental disturbance**

[11.6] Specific requirements: None

12.2 POST-TENDER INFORMATION

12.2.1 **Payment of preliminaries**

[10.2] Option A (prorated) (NO)

Option B (calculates) (YES)

12.2.2 **Adjustment of preliminaries**

[10.3] Option A (three categories) (YES)

Option B (detailed breakdown) (YES)

12.2.3 **Additional agreed preliminaries items**

Details: N/A

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SCHEDULE OF SUPPLEMENTARY INFORMATION

NOTE:

The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information

Local unskilled Labour must be appointed via the School SGB, acting in liaison between the Contractor and the community.

Amount of insurance against injury to person or property in respect of any single occurrence **R 5 million**

Amount of insurance against removal of support to adjoining properties in respect of any single occurrence

Not specifically prescribed

Contract period - **6 (Six) months**

The date for site handover :- TBA

Amount of penalty per day on which the completion of the works may be in arrear:

R0.0575 per R100 of contract value per day (Excluding VAT)

Specification of materials and methods to be used:

Specification of Materials and Methods to be used - **PW 371, Edition 2.0, July 2013**

Edition of Standard System of measuring building work:

Sixth Edition including the latest amendments

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

102 **C1 CONTRACT DRAWINGS**

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: _____ Value related: _____ Time related: _____

Item

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| | | | | |
|-----|-----------|---|------|--|
| 103 | C2 | <p>GENERAL PREAMBLES</p> <p>The document “Specification of Materials and Methods to be used (PW371)” is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 104 | C3 | <p>TRADE NAMES</p> <p>Wherever a trade name for any product has been described in the bills of quantities, the tenderer’s attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 105 | C4 | <p>IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (T 2.2q) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 106 | C5 | <p>VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| | | Carried to Collection | R | |
| | | Bill No. 1 Preliminaries | | |

| | | | |
|------------------------------|--|------|--|
| 107 | <p>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 108 | <p>C7 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 109 | <p>C8 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 110 | <p>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| Carried to Collection | | R | |
| Bill No. 1 Preliminaries | | | |

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **Bills of Quantities**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. Also see Part C3.6 Social and Economic Deliverables F1

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

111 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

112 **C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

113 **C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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C10.4 ACCESS TO CONDOMS

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

115

C10.5 MONITORING

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

116

C11 OCCUPATIONAL HEALTH AND SAFETY ACT

The contractor shall comply with the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities/lump sum document.

The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A3.10 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

Fixed: _____ Value related: _____ Time related: _____

Item

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117 **C12. SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS**

The contractor shall thoroughly study and comply with the requirements and specification data set out in Part C3.6: Specification for Social and Economic Deliverables in Construction.

Provision for pricing of Social and Economic Deliverables is made under items C12.1 to C12.4 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, and no additional items or extras to the contract in this regard shall be entertained.

Fixed: _____ Value related: _____ Time related: _____

Item

118 **C12.1 UTILIZE LOCAL RESOURCES**

Deliverable A1: Utilize local resources as described in the Specification Data.

Fixed: _____ Value related: _____ Time related: _____

Item

C13 LABOUR-INTENSIVE WORKS

Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the **'Specification for social and economic deliverables in construction works contracts'**.

119 **C13.1 LABOUR INTENSIVE**

Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

Fixed: _____ Value related: _____ Time related: _____

Item

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Bill No. 1
Preliminaries

Bill No. 1

Preliminaries

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| <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Nature of material to be excavated:</u></p> <p>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".</p> <p><u>Carting away of excavated material:</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.</p> <p><u>Dewatering of excavations:</u></p> <p>The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water</p> <p><u>Density testing on filling:</u></p> <p>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.</p> | | | |
| <p>Carried to Collection</p> | | | R |
| <p>Bill No. 1 Ablution Earthworks</p> | | | |

Imported fill:

"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"

EXCAVATION, ETC

Site clearance etc:

| | | | |
|---|---|----|----|
| 1 | Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. | m2 | 36 |
|---|---|----|----|

Excavation in earth not exceeding 2m deep:

| | | | |
|---|------------------------------|----|----|
| 2 | Trenches. | m3 | 9 |
| 3 | Reduced levels under floors. | m3 | 2 |
| 4 | Toilet pit. | m3 | 35 |

Excavation in earth exceeding 2m and not exceeding 4m deep:

| | | | |
|---|-------------|----|---|
| 5 | Toilet pit. | m3 | 5 |
|---|-------------|----|---|

Extra over trench and hole excavations in earth for excavation in:

| | | | |
|---|------------|----|----|
| 6 | Soft rock. | m3 | 14 |
| 7 | Hard rock. | m3 | 7 |

Extra over all excavations for carting away:

| | | | |
|---|---|----|----|
| 8 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 47 |
|---|---|----|----|

Risk of collapse of excavations:

| | | | |
|----|---|----|----|
| 9 | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 50 |
| 10 | Sides of trench and hole excavations exceeding 1,5m deep. | m2 | 14 |

Carried to Collection

R

Bill No. 1
Ablution Earthworks

| | | | Item | |
|----|--|----|------|---|
| 11 | <p><u>Keeping excavations free of water:</u></p> <p>Keeping excavations free from mud and all water including subterranean sources.</p> | | | |
| | <p><u>EARTH FILLING, ETC.</u></p> | | | |
| | <p><u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 95% Mod. AASHTO density:</u></p> | | | |
| 12 | Backfilling to trenches, holes, etc. | m3 | 4 | |
| | <p><u>Earth filling (G7 material or sabunga) supplied by the contractor compacted to 98% Mod AASHTO density:</u></p> | | | |
| 13 | Backfilling to trenches, holes, etc. in 150mm layers. | m3 | 17 | |
| 14 | Under floors, steps, pavings, etc. | m3 | 3 | |
| | <p><u>Coarse river sand filling supplied by the contractor:</u></p> | | | |
| 15 | Under floors etc. (Provisional). | m3 | 1 | |
| | <p><u>Compaction of surfaces:</u></p> | | | |
| 16 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density. | m2 | 28 | |
| | <p><u>Prescribed density tests on filling:</u></p> | | | |
| 17 | Allow for compaction tests by an approved laboratory to determine density of filling material. | No | 6 | |
| | Carried to Collection | | | R |
| | Bill No. 1 | | | |
| | Ablution Earthworks | | | |

Bill No. 1

Ablution Earthworks

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Ablution Earthworks

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|---------|---|----------|------|--------|
| | <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Cost of tests:</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).</p> <p><u>Formwork:</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> | | | |
| | Carried to Collection | | | R |
| | <p>Bill No. 2 Concrete, Formwork and Reinforcement</p> | | | |

Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

10MPa/20mm concrete:

1 Blinding under footings and bases. m3

1

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/20mm concrete:

2 Footings to walls (Provisional). m3

3

3 Surface beds. m3

3

REINFORCED CONCRETE CAST ON FORMWORK

25MPa/20mm concrete:

4 Slabs, including beams and inverted beams. m3

2

CONCRETE TESTS

Test blocks:

5 Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional). No

9

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a wood float:

6 Surface beds to falls. m2

10

ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP Work Group No 111)

Carried to Collection

R

Bill No. 2
Concrete, Formwork and Reinforcement

| | | | |
|---|--|----|----|
| <u>Permanent Formwork to Sides and Soffits:</u> | | | |
| 7 | Slabs propped up not exceeding 3,5m high. | m2 | 6 |
| <u>Extra on permanent formwork for boxing or blocking in or boxing out to form:</u> | | | |
| 8 | 120mm Diameter opening through 200mm thick slab (Provisional). | No | 3 |
| 9 | 250mm Diameter opening through 200mm thick slab. | No | 3 |
| 10 | 450 x 600mm rebated opening through 200mm slab for manhole and frame (elsewhere). | No | 3 |
| <u>Smooth Formwork to Sides:</u> | | | |
| 11 | Edges, risers, ends and reveals not exceeding 300mm high or wide. | m | 26 |
| <u>MOVEMENT JOINTS ETC</u> | | | |
| <u>Vertical construction joints through concrete including thick cement slurry to one face:</u> | | | |
| 12 | Surface beds not exceeding 300mm thick. | m | 4 |
| <u>Expansion joints with 'Jointex' light weight, cross linked, closed cell, expanded Polyethylene joint former with a hinged temporary blocking piece between vertical concrete or brick surfaces:</u> | | | |
| 13 | 10mm Joints not exceeding 300mm high (Provisional). | m | 25 |
| <u>Approved polysulphide sealing compound:</u> | | | |
| 14 | 10mm wide average x 10m deep In vertical expansion joints between concrete and brick surfaces, including removing expansion joint blocking piece as necessary (Provisional). | m | 25 |
| <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| <u>Fabric reinforcement:</u> | | | |
| 15 | REF. 245 fabric reinforcement in concrete surface beds, slabs, etc. | m2 | 10 |
| 16 | REF. 617 fabric reinforcement in concrete surface beds, slabs, etc. | m2 | 33 |
| Carried to Collection | | | |
| Bill No. 2 Concrete, FOrmwork and Reinforcement | | | R |

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 Concrete, FOrmwork and Reinforcement

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 Concrete, FOrmwork and Reinforcement

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| Item No | | Quantity | Rate | Amount |
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| | <p><u>MASONRY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Sizes in descriptions:</u></p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p> <p><u>Face bricks:</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p> <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, and cleaning etc.</p> <p><u>Samples, etc:</u></p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples.</p> <p><u>Concrete masonry units:</u></p> <p>Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7 MPa</p> | | | |
| | Carried to Collection | | | R |
| | Bill No. 3 Masonry | | | |

Wall ties for blockwork:

Wall ties shall be polypropylene "Permaties" complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other

Blockwork:

Blockwork shall comply with SABS 0145 "Concrete Masonry Construction"

Surfaces shall have joints raked out to a depth of at least 10mm and pointed on exposed surfaces. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole.

Standard complementary blocks:

Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary

**BRICKWORK IN FOUNDATIONS
(PROVISIONAL) TO PIT TOILETS**

Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:

| | | | |
|---|-------------------|----|----|
| 1 | One brick walls. | m2 | 44 |
| 2 | Half brick walls. | m2 | 1 |

BRICKWORK IN SUPERSTRUCTURE IN PIT TOILETS

Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:

| | | | |
|---|-------------------|----|----|
| 3 | One brick walls. | m2 | 52 |
| 4 | Half brick walls. | m2 | 3 |

Carried to Collection

Bill No. 3
Masonry

R

| | | | | |
|----|--|----|-----|---|
| 5 | Half brick walls in beam filling. | m2 | 2 | |
| | <u>BRICKWORK SUNDRIES</u> | | | |
| | <u>Weepholes, openings etc.</u> | | | |
| 6 | Form opening size 900 wide x 510mm high through 220mm brick wall including lintel's over 1,200mm wide (lintel's elsewhere measured) . | No | 2 | |
| 7 | Form weep hole size 100 x 250mm thick through one brick wall with internal and external facing. | No | 1 | |
| | <u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixéal" bitumen emulsion waterproofing coating:</u> | | | |
| 8 | To walls (Provisional). | m2 | 42 | |
| | <u>Brickwork reinforcement:</u> | | | |
| 9 | 75mm Wide reinforcement built in horizontally. | m | 12 | |
| 10 | Ditto, but in foundations (Provisional). | m | 11 | |
| 11 | 150mm Wide reinforcement built in horizontally. | m | 131 | |
| 12 | Ditto, but in foundations (Provisional). | m | 528 | |
| | <u>Prestressed fabricated lintels:</u> | | | |
| 13 | 110 x 75mm Lintels in lengths not exceeding 3m. | m | 5 | |
| | <u>Turning pieces:</u> | | | |
| 14 | 100mm Wide turning piece to lintels etc. | m | 3 | |
| 15 | 200mm Wide turning piece to lintels etc. | m | 1 | |
| | <u>Air bricks etc:</u> | | | |
| 16 | 230 x 160mm Cement vermin proof air brick. | No | 4 | |
| | <u>Cramps, ties, etc:</u> | | | |
| 17 | 30 x 2mm Galvanized door frame tie 350mm long with one end fixed to timber and other built into brickwork or concrete. | No | 10 | |
| | Carried to Collection | | | R |
| | Bill No. 3 Masonry | | | |

| | | | |
|----|--|----|----|
| 18 | 30 x 2mm Galvanized hoop iron roof tie 1500mm long with one end fixed to timber and other built into blockwork or concrete. | No | 10 |
| | <u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc:</u> | | |
| 19 | 15 x 150mm Wide sills set flat and slightly projecting. | m | 2 |
| | <u>FACE BRICKWORK IN PIT TOILETS</u> | | |
| | <u>Facebricks (FBS) COUNTRY MANOR - TRAVERTINE pointed with square ruled recessed horizontal and vertical joints:</u> | | |
| 20 | Extra over brickwork for face brickwork externally. | m2 | 47 |
| 21 | Extra over brickwork for face brickwork internally. | m2 | 66 |
| 22 | Fair raking cutting. | m | 7 |
| | <u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u> | | |
| 23 | 220mm Wide lintel pointed on face and 220mm soffit. | m | 5 |
| 24 | 220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under. | m | 2 |

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Masonry

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Bill No. 3

Masonry

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| | <p><u>WATERPROOFING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer of 250 micron 'USB GREEN' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> | | | |
| 1 | Under surface beds. | m ² | 10 | |
| | <p><u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u></p> | | | |
| 2 | Below walls, sills, etc. | m ² | 5 | |
| | <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Glass fibre bandage flashing membrane set in two coats bitumen flashing compound:</u></p> | | | |
| 3 | Bandage flashing 150mm wide to roofs. | m | 1 | |
| | <p><u>JOINT SEALANTS ETC</u></p> <p><u>Clear Neutral silicone sealant:</u></p> | | | |
| 4 | In joint sealing and pointing all round external window and door frames. | m | 10 | |
| | Carried Forward to Summary of Section No. 2 | | | R |
| | Bill No. 4 | | | |
| | Waterproofing | | | |

Item
No

Quantity

Rate

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ROOF COVERINGS ETC.

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

RIBBED SHEETING AND ACCESSORIES

Carried to Collection

R

Bill No. 5
Roof Coverings Etc.

0.8mm Nominal thickness IBR roofing sheets with Chromodek Z275 protective coating, colour as per architect to one side and standard grey backing coat to other side, etc. including fixing to timber purlins at approximately 900mm centres including all screws, bolts, washers, etc. strictly in accordance with manufacturer's specification.

| | | | |
|---|---|----|----|
| 1 | Roof covering with pitch not exceeding 50 degrees. | m2 | 20 |
| 2 | Moulded polyethylene polyclosers to match roof profile. | m | 10 |

0,58mm Nominal thickness ditto, but flashings:

| | | | |
|---|---|----|---|
| 3 | Cover flashing 150mm girth, once bent along girth, colour to match roof sheet pop riveted to the rib of the sheet (measured net). | m | 5 |
| 4 | Vent flashing mounted suitable for 110mm diameter pipe on a 450 x 450mm square base at 7.5 degree pitch, fixed to roof with pop-rivets. | No | 3 |

ROOF AND WALL INSULATION

4mm 'Alucution/Bubblefoil' FR (fire retardant) white polyethylene coated single sided aluminium foil insulation (code: 2906) or similar approved:

| | | | |
|---|--|----|----|
| 5 | Insulation laid between rafters and purlins. | m2 | 17 |
|---|--|----|----|

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Bill No. 5
Roof Coverings Etc.

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Bill No. 5
Roof Coverings Etc.

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Roof Coverings Etc.

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The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

- (a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.
- (b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.
- (c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.
- (d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).
- (f) Seperate connection details for hip, valley and jack rafters.

Carried to Collection

Bill No. 6
Carpentry and Joinery

R

- (g) Maximum spacing for purlins and branding to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

 "The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

Joinery:

Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Fixing:

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Where items are described as "bolted" the bolts have been measured elsewhere.

ROOFS ETC

Sawn softwood:

| | | | |
|---|---|----|----|
| 1 | 38 x 38mm Sprockets average 152mm long, brass screwed to purlins. | No | 10 |
| 2 | 50 x 76mm Sprockets average 200mm long, brass screwed to purlins. | No | 12 |

Carried to Collection

Bill No. 6
Carpentry and Joinery

R

| | | | | |
|----|--|----|----|---|
| 3 | 38 x 114mm Wall plate. | m | 4 | |
| | <u>Wrought softwood:</u> | | | |
| 4 | 38 x 152mm Rafters. | m | 22 | |
| 5 | 50 x 76mm Purlins. | m | 30 | |
| 6 | 50 x 76mm Trimmer batten. | m | 9 | |
| 7 | 38 x 38mm insulation fixing batten. | m | 10 | |
| | <u>Sundries:</u> | | | |
| 8 | MiTek® eCo hurricane clip fixed using Permfix nails or bolts through pre-drilled holes. | No | 60 | |
| | <u>EAVES, VERGES, ETC</u> | | | |
| | <u>Pressed fibre-cement:</u> | | | |
| 9 | 12 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc. | m | 10 | |
| 10 | 85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc. | m | 9 | |
| 11 | Extra on last for splay cut end. | No | 8 | |
| | <u>DOORS ETC</u> | | | |
| | <u>Approved solid flush panel doors, with commercial veneer both sides and two concealed hardwood edges:</u> | | | |
| 12 | 40mm Thick, single flush door, size 813 x 1,832mm high. | No | 1 | |
| | <u>Wrought meranti doors:</u> | | | |
| 13 | 40mm Thick, framed, ledged, braced and batten door with flush ply panel internally, formed of 44 x 110mm stiles, 44 x 220mm bottom rail and 44 x 150mm lock rail grooved for and filled in with 22 x 70mm tongued, grooved and V-jointed vertical boarding, with braces brass screwed to every board, size 950 x 2,032mm high. | No | 1 | |
| | Carried to Collection | | | R |
| | Bill No. 6 Carpentry and Joinery | | | |

| | | | |
|----|--|----|----|
| 14 | 40mm Thick, framed, ledged, braced and batten door with flush ply panel internally, formed of 44 x 110mm stiles, 44 x 220mm bottom rail and 44 x 150mm lock rail grooved for and filled in with 22 x 70mm tongued, grooved and V-jointed vertical boarding, with braces brass screwed to every board, size 813 x 1,150mm high. | No | 2 |
| | <u>Sundries:</u> | | |
| 15 | 12mm Rawlbolts 100mm long including fixing into concrete or brickwork. | No | 10 |
| | <u>FRAMED FRAMES ETC</u> | | |
| | <u>Wrought meranti:</u> | | |
| 16 | 70 x 108mm Rebated and angle rounded door frames plugged. | m | 11 |
| | <u>BEADS, ARCHITRAVES, ETC</u> | | |
| | <u>Wrought meranti:</u> | | |
| 17 | 19mm Quadrant bead planted on. | m | 31 |
| | <u>Sundries:</u> | | |
| 18 | 38 x 76 mm Chamferred and grooved weatherboard fixed in and including groove or rebate in underside of door. | m | 1 |

Carried to Collection

Bill No. 6
Carpentry and Joinery

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Bill No. 6
Carpentry and Joinery

COLLECTION

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Bill No. 6
Carpentry and Joinery

R

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| Item No | <u>IRONMONGERY</u> | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p><u>Finishes to ironmongery:</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing:</p> <p>Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories</p> <p>Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories</p> <p><u>Hinges:</u></p> | | | |
| 1 | 100 x 75mm Double washered solid brass butt hinges. | No | 7 | |
| | <p><u>Locks:</u></p> | | | |
| 2 | Three lever approved mortice lock (Union 2277-78) complete with one set radius lever furniture (Union CZ682-24SC). | No | 1 | |
| 3 | 'Union' w/c satin chrome indicator bolt (code: CZ80941SC). | No | 1 | |
| | Carried to Collection | | | R |
| | Bill No. 7 Ironmongery | | | |

Handles:

| | | | |
|---|---|-------|---|
| 4 | Stainless steel straight tubular pull handle flange fixing (Code: DPH301B). | Pairs | 1 |
| 5 | Dorma pull handle D 152 x 19mm straight BT. | No | 2 |

Push/Kick plates:

| | | | |
|---|---|----|---|
| 6 | 200 x 950 x 0.9mm stainless steel kick plate, drilled and countersunk for screw fixing. | No | 2 |
|---|---|----|---|

Sundries:

| | | | |
|----|---|----|---|
| 7 | E1511 Erebus H/D adjustable roller catch - SC. | No | 2 |
| 8 | 'DHC-SS-030A' Hat and Coat Hook (Stainless Steel). | No | 1 |
| 9 | Stainless steel wall mounted doorstop with black rubber buffer (code: 99022). | No | 3 |
| 10 | 50mm Plastic key tag. | No | 4 |

BATHROOM FITTINGS ETC.

Stainless steel 32mm diameter grab rails grade 304 stainless steel:

| | | | |
|----|--|----|---|
| 11 | Franke CNTX450, size 450 x 95mm deep grab rails plugged and screwed to wall. | No | 1 |
| 12 | Franke CNTPAR, size 300 x 300 x 300 x 95mm deep grab rail plugged and screwed to wall. | No | 1 |

Toilet paper dispensers:

| | | | |
|----|--|----|---|
| 13 | Standard approved lockable toilet paper dispenser, colour white, holding 3 rolls (Type SE3). | No | 3 |
|----|--|----|---|

LETTERS, NAMEPLATES, ETC.

Perspex door plates:

| | | | |
|----|---|----|---|
| 14 | 275 x 50 x 3mm Thick white perspex door name plate with eight letters size 30mm high, engraved with century gothic font and painted black, fixed to door, door frame or wall with double sided adhesive tape (Provisional). | No | 1 |
|----|---|----|---|

Carried to Collection

Bill No. 7
Ironmongery

R

| | | | |
|----------------------------|---|----|---|
| 15 | 205 x 50 x 3mm Thick white perspex door name plate with six letters size 30mm high, engraved with century gothic font and painted black, fixed to door, door frame or wall with double sided adhesive tape (Provisional). | No | 1 |
| <u>Sign plates:</u> | | | |
| 16 | 150 x 150 x 3mm thick white perspex engraved signage with Female Pictogram, fixed to wall or door. | No | 1 |
| 17 | 150 x 150 x 3mm thick white perspex engraved signage with wheelchair Pictogram, fixed to wall or door. | No | 1 |

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Ironmongery

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Bill No. 7
Ironmongery
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Bill No. 7
Ironmongery

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| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p><u>METALWORK</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>NOTE: All steel will be Hot dipped galvanised unless otherwise stated.</p> <p><u>SUNDRY BRASS WORK:</u></p> <p><u>Brass:</u></p> | | | |
| 1 | <p>4 x 30mm Weatherbar set in concrete flush with floor finish one side.</p> | m | 1 | |
| | <p><u>ALUMINIUM WINDOWS</u></p> <p>All windows to be approved by the Architect prior to installation.</p> <p><u>Natural anodised casement 38 top hung aluminium windows, factory glazed with 6.38mm laminated safety glass with clip-on glazing beads, with neoprene seals and fixed with minimum three lugs per side in accordance with manufacturers instructions (See window schedule attached to these bills of quantities):</u></p> | | | |
| 2 | <p>Type W01 (600 x 600mm high) including friction stays and Nylon pivot locking mechanism on opening leaf as per manufacturer.</p> | No | 4 | |
| | Carried to Collection | | | R |
| | <p>Bill No. 8 Metalwork</p> | | | |

GALVANIZED GATES

Hot Dipped Galvanised Steel Gates:

Note: The contractor is to check on site measurements before placing of order.

3 Security gate size 850 x 2,017mm high formed of 25 x 25 x 2,5mm hollow square section tubing with 25 x 25 x 2,5mm square section tubing infill at approximately 125mm centres fitted with two welded tubes to suit two pin hinges (top facing down and bottom facing up) bolted to wall with 8mm expansion bolts welded onto 50 x 50 x 5mm base plates complete with 60 x 50 x 5mm padlock plates for locking and door hook including heavy duty padlock with brass body, all as indicated on details and door schedules attached to these bills of quantities.

No

1

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Bill No. 8
Metalwork

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Bill No. 8

Metalwork

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Bill No. 8
Metalwork

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| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>PLASTERING</u> | | | |
| | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Proprietary products in descriptions:</u> | | | |
| | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | |
| | <u>GRANOLITHIC</u> | | | |
| | <u>Untinted granolithic on concrete:</u> | | | |
| 1 | 40mm Thick on floors and landings. | m2 | 12 | |
| 2 | 40mm Thick on treads and risers of door thresholds including reedings. | m2 | 0.2 | |
| 3 | 50 x 50mm Coved triangular fillets against walls, etc. | m | 25 | |
| 4 | 100 x 100mm Coved triangular fillets against walls, etc. | m | 15 | |
| | <u>INTERNAL PLASTER</u> | | | |
| | <u>Cement plaster on brickwork:</u> | | | |
| 5 | On walls. | m2 | 41 | |
| 6 | In narrow widths. | m2 | 2 | |
| 7 | In narrow widths to cill to falls. | m2 | 0.2 | |
| | Carried Forward to Summary of Section No. 2 | | | R |
| | Bill No. 9 Plastering | | | |

Item
No

Quantity

Rate

Amount

**PLUMBING AND DRAINAGE
(PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.

Chasing:

Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Carried to Collection

R

Bill No. 10
Plumbing and Drainage

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Stainless steel basins, sinks, wash troughs, urinals, etc:

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Carried to Collection

Bill No. 10
Plumbing and Drainage

R

Fixing:

Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.

Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Sleeve pipes:

Electrical sleeve pipes to be Class 34 and are to include for draw wires.

RAINWATER DISPOSAL (PROVISIONAL):

Aluminium seamless gutter, overall size 125 x 115 x 0.9mm thick coated internally and externally with ColourTech G4 in colour Marble White:

| | | | |
|---|--|----|---|
| 1 | 125mm x 115mm VHV eaves gutter fixed to fascia board at not exceeding 600mm centres with and including 20 x 3mm dual-purpose brackets, all jointing strictly in accordance the manufacturers specification including short lengths, etc. | m | 5 |
| 2 | Extra over eaves gutter for stopped end. | No | 2 |
| 3 | Extra over eaves gutter for outlet for 100 x 75mm pipe. | No | 1 |
| 4 | 100 x 75mm Rainwater pipes fixed to walls with straps using nail plugs at 1500mm centres. | m | 4 |
| 5 | Extra over rainwater pipe for bend. | No | 4 |

SOIL DRAINAGE

Excavations of pipe trenches will be measured in accordance with "Method B" and the width of excavations in more difficult material will be determined in accordance with "Method A" of the Standard System of Measuring Building Work Six Edition

Carried to Collection

Bill No. 10
Plumbing and Drainage

R

uPVC Soil pipes (SABS 791-1986):

| | | | |
|---|--|---|----|
| 6 | 110mm Pipes vertically or ramped to cleaning eyes etc in and including trenches not exceeding 1000mm deep. | m | 10 |
| 7 | 110mm Pipes laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, main fill compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 90% Modified AASHTO in drain trenches including carting off surplus displaced material. | m | 5 |

Extra over uPVC pipes for fittings:

| | | | |
|----|------------------------|----|---|
| 8 | 110mm Bend. | No | 2 |
| 9 | 110mm Access bend. | No | 1 |
| 10 | 110mm Junction. | No | 1 |
| 11 | 110mm Access junction. | No | 1 |

Sundries:

| | | | |
|----|--|----|---|
| 12 | Unreinforced concrete (15MPa) encasing to 110mm horizontal pipe. | m3 | 1 |
|----|--|----|---|

Manholes, gulley traps, etc:

| | | | |
|----|--|----|---|
| 13 | 450 x 600mm Type 9D Polymer manhole cover and frame. | No | 3 |
|----|--|----|---|

Gratings, covers, etc:

| | | | |
|----|--------------------------------|----|---|
| 14 | Lifting key for manhole cover. | No | 1 |
|----|--------------------------------|----|---|

Testing:

| | | | |
|----|-------------------------------|--|------|
| 15 | Testing drainage pipe system. | | Item |
|----|-------------------------------|--|------|

SANITARY FITTINGS

Polyethylene fittings:

| | | | |
|----|--|----|---|
| 16 | 387 x 466 x 518mm 4.0kg VIP 200 Pedestal flap & incorporated seat, code: 222AP cast into concrete slab of pit. | No | 1 |
| 17 | 282 x 360 x 300mm Bambi long drop pan c/w flap VIP pedestal (colour: granite) cast into concrete slab of pit. | No | 2 |

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Plumbing and Drainage

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| | | | |
|---|---|----|---|
| 18 | 65 litre PVC wash trough, 373AP: 496 x 750 x 410mm. | No | 1 |
| 19 | 'Cindy' wash hand basin with splash back (code: 384AP) 400mm x 360mm wide (compound colour: granite), or equal approved, with 40mm waste outlet, plugged and screwed to the wall with galvanised screws and brackets. | No | 2 |
| 20 | 320 x 350 x 495mm high waterless Atlas urinal (code: 507AP) fixed to wall. | No | 1 |
| <u>WASTE UNIONS ETC</u> | | | |
| <u>Waste unions etc:</u> | | | |
| 21 | 32mm Code 301 chrome plated basin waste union. | No | 2 |
| 22 | Waterless urinal waste fitting (code: 496AP). | No | 1 |
| <u>TRAPS ETC</u> | | | |
| <u>Traps etc:</u> | | | |
| 23 | Rubber 32 x 40mm Plain basin P-trap. | No | 1 |
| 24 | 40mm bottle trap with 75mm deep re-seal, adjustable telescopic pipe and 40mm outlet for PVC pipe. | No | 2 |
| <u>TAPS, VALVES, ETC</u> | | | |
| <u>Tank taps or connection fittings:</u> | | | |
| 25 | 20mm brass slimline tap fitted to tank with 40/20mm reducer to 40mm outlet at the bottom of the tank. | No | 1 |
| 26 | 25mm Ball Valve connected to 25mm Barrel nipple connected to 40/25mm reducer fitted to 40mm outlet at the bottom of the tank. | No | 1 |
| <u>Bib taps:</u> | | | |
| 27 | Star Type 1 (BS 5412) 15mm extended bibtap with cold indices, flow straightener and sliding wall flange, manufactured in accordance to SANS 226:2009, fixed to face brick wall. | No | 1 |

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Bill No. 10
Plumbing and Drainage

R

Medical taps:

| | | | |
|----|--|----|---|
| 28 | Medical elbow-action, chrome bibtap Type 2 (code: 500-21B), manufactured in accordance to SANS 226:2009, fixed to face brick wall. | No | 1 |
|----|--|----|---|

Sundries, etc:

| | | | |
|----|--|----|---|
| 29 | Standard 15mm stainless steel braided female swivel connection piece 350mm long. | No | 2 |
|----|--|----|---|

SANITARY PLUMBING

uPVC piping (SABS 967-1987):

| | | | |
|----|-----------------------------------|---|---|
| 30 | 40mm Waste piping fixed to walls. | m | 6 |
|----|-----------------------------------|---|---|

| | | | |
|----|--------------|---|----|
| 31 | 110mm Ditto. | m | 13 |
|----|--------------|---|----|

Extra For:

| | | | |
|----|--|----|---|
| 32 | Plastic or copper wire gauze fly screen glued to top of 110 mm pipe as directed on site. | No | 3 |
|----|--|----|---|

| | | | |
|----|--|----|---|
| 33 | 110mm aluminium holderbat fixed to wall. | No | 9 |
|----|--|----|---|

| | | | |
|----|--|----|---|
| 34 | Black PVC sewer whirly bird vent glued to top of 110mm pipe as directed on site. | No | 3 |
|----|--|----|---|

Extra over uPVC piping for:

| | | | |
|----|------------|----|---|
| 35 | 40mm Bend. | No | 4 |
|----|------------|----|---|

| | | | |
|----|-------------|----|---|
| 36 | 110mm Bend. | No | 1 |
|----|-------------|----|---|

| | | | |
|----|-------------------|----|---|
| 37 | 40mm Access bend. | No | 2 |
|----|-------------------|----|---|

| | | | |
|----|---|----|---|
| 38 | 40mm Access bend with anti-syphon horn. | No | 2 |
|----|---|----|---|

| | | | |
|----|----------------|----|---|
| 39 | 40mm Junction. | No | 2 |
|----|----------------|----|---|

| | | | |
|----|------------------------|----|---|
| 40 | 110mm Access junction. | No | 1 |
|----|------------------------|----|---|

| | | | |
|----|---------------------------------|----|---|
| 41 | 110mm Double reducing junction. | No | 1 |
|----|---------------------------------|----|---|

Testing:

| | | | |
|----|----------------------------------|--|------|
| 42 | Testing waste water pipe system. | | Item |
|----|----------------------------------|--|------|

WATER SUPPLIES

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Plumbing and Drainage

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Plumbing and Drainage

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| Item No | <u>PAINTWORK</u> | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Proprietary products in descriptions:</u> | | | |
| | <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> | | | |
| | <p>All work to be executed in strict accordance with the specifications of the paint manufacturer.</p> | | | |
| | <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.</p> | | | |
| | <u>PAINTWORK ETC TO NEW WORK</u> | | | |
| | <u>ON FIBRE-CEMENT</u> | | | |
| | <u>Prepare and apply two coats pure acrylic roof paint on:</u> | | | |
| 1 | Fascias and barge boards. | m2 | 11 | |
| | <u>Prepare and apply one coat universal primer, one undercoat and two coats superior quality eggshell enamel:</u> | | | |
| 2 | On sills. | m2 | 1 | |
| | <u>ON PLASTERED SURFACES</u> | | | |
| | <u>Prepare and apply one undercoat and paint with two coats premium quality pure acrylic sheen PVA on:</u> | | | |
| 3 | Interior toilet walls. | m2 | 0.2 | |
| | Carried to Collection | | | R |
| | Bill No. 11 Paintwork | | | |

Scrub surface with degreaser, rinse thoroughly with tap water, and apply one coat Medal stoep paint thinned with 10% mineral turpentine and two coats of un-thinned Medal stoep paint on:

4 On concrete floated or screeded floors (Provisional). m2 12

Prepare and apply two coats "Brixal" bitumen emulsion waterproofing coating on:

5 Toilet pit walls. m2 41

ON WOOD

Prepare and apply one coat wood primer, one undercoat and two coats superior quality smooth gloss enamel on:

6 General surfaces of timbers at eaves. m2 14

Prepare and apply one coat wood primer, one undercoat and two coats superior quality eggshell enamel on:

7 Doors (all surfaces measured). m2 8

8 Frames, rails, etc not exceeding 300mm girth. m 11

Two coats wood primer on:

9 Backs of frames, linings, etc not exceeding 300mm wide. m 11

Three coats exterior quality penetrating wood preservative.

10 Roof timbers at eaves and verges. m2 8

ON METAL

Clean down thoroughly with galvanised iron cleaner, wash down with water, prime with one coat metal primer and finish with two coats superior quality enamel on:

11 Exterior gates, grilles, burglar screens, balustrades, etc. (both sides measured over the full flat area). m2 3

ON uPVC

Carried to Collection

R

Bill No. 11
Paintwork

Prepare and brush to remove all loose contaminants and apply two coats Dulux Weathergard light texture matt finish paint:

12 On pipes.

m2

4

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Bill No. 11
Paintwork

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Bill No. 11

Paintwork

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| Item No | | Quantity | Rate | Amount |
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| | <p><u>ALTERATIONS</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Materials described as "Taking out and removing", "Demolition" and the like shall become the property of the contractor only after handing over any material as may be requested by the school governing body and be removed from site and disposed of at a suitable place all done at the contractor's expense.</p> <p>Descriptions which include "Making good" the contractor shall allow for all costs of disconnecting and removing the said materials and preparatory work to receive new materials.</p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all ironmongery, etc</p> | | | |
| | Carried to Collection | | | |
| | Bill No. 1 Alterations, etc. | | R | |

Prices for taking out and removing all beads architraves, doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

REMOVAL OF EXISTING WORK

Breaking up and removing unreinforced concrete:

| | | | |
|---|---|----|----|
| 1 | Break up and remove existing 100 mm thick concrete surface bed, stoep or apron. | m2 | 43 |
|---|---|----|----|

Breaking down and removing brickwork, etc.

| | | | |
|---|--|----|----|
| 2 | One brick wall including plaster both sides. | m2 | 88 |
| 3 | Facebrick on edge sill. | m | 27 |

Taking out and removing doors, windows, etc, and preparing opening to receive new doors, windows, etc, including making good cement plaster on both sides (making good paintwork elsewhere).

| | | | |
|---|--|----|----|
| 4 | Glazed steel window not exceeding 2.5m2, including preparing opening for new window frame. | No | 18 |
| 5 | Timber single door and steel door frame not exceeding 2.5m2. | No | 6 |
| 6 | Take out and remove damaged asbestos cement cill and prepare surface to receive new cill. | m | 27 |

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Alterations, etc.

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Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:

| | | | |
|---|--|----|-----|
| 7 | Take carefully off existing damaged IBR or corrugated iron roof covering including screws, nails, etc and prepare timber battens, trusses, etc., to receive new roof covering (elsewhere) and handover the old material to the school. | m2 | 275 |
| 8 | Take off carefully and remove existing damaged asbestos or timber fascia or barge board and prepare timber to receive new asbestos fascia (elsewhere) | m | 91 |
| 9 | Gypsum plasterboard or fibre cement ceilings including cornices, timber brandering, etc. | m2 | 138 |

Take out and remove sundry joinery work:

| | | | |
|----|---|---|-----|
| 10 | Skirtings, rails, etc not exceeding 300mm high (Note: This item does not include for removal of skirting where removal of timber floors is measured). | m | 83 |
| 11 | 50 x 76mm purlins in patchwork (Provisional). | m | 354 |

Hack up and remove wall and floor tiles:

| | | | |
|----|---|----|-----|
| 12 | Glazed ceramic floor tiles including preparing surface to receive new tiles (elsewhere measured). | m2 | 138 |
|----|---|----|-----|

Take out and remove complete with brackets, claws, bolts, etc.:

| | | | |
|----|--|---|----|
| 13 | Existing asbestos gutters and downpipes including all stop ends, bends, corners, offsets, shoes, fittings etc. | m | 51 |
|----|--|---|----|

Hack up and remove screed / grano to floors:

| | | | |
|----|--|----|----|
| 14 | Hack up existing screed/grano from floor and prepare concrete to receive new screed (screed elsewhere measured). | m2 | 14 |
| 15 | Ditto, on floors in patches. | m2 | 14 |

Hack up and remove plaster to walls:

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Note: Cracks in walls must be repaired as follows: Hack off internal and external plaster both sides of the crack for a minimum width of 300mm. Remove all loose brickwork, dust, etc. and fix two layers chicken mesh, stitched to brickwork on sides with 50mm steel nails at 100mm centre spacings, wet the area and replaster to match existing. The junction between the new and existing plaster must be worked off so that the junction is not visible. Where fair face brick occurs, the same method must apply and the plaster must be finished in the same pattern as the fair face brickwork.

| | | | |
|------------------------------------|--|----|----|
| 16 | Hack off existing plaster from wall and prepare brickwork to receive new plaster (new plaster elsewhere measured). | m2 | 95 |
| 17 | Hack off existing plaster around cracks, etc. to 300mm width, and prepare brickwork to receive new plaster (new plaster elsewhere measured) including chicken mesh as described. | m2 | 23 |
| <u>Repairs to existing:</u> | | | |
| 18 | Clean existing facebrick walls externally by applying sodium hypochlorite solution (1 part household bleach to 2 parts water by volume), clean by using high pressure water jet and suitable mechanical methods to remove loose and unsound substrate material, paint, dirt, bleach, algae/fungi residues and any other surface contaminants including the removal of any plant growth and point with approved epoxy patching mortar, to flush square horizontal and vertical joints, in patchwork to walls. | m2 | 47 |
| 19 | Chip/scabble existing fair faced brickwork to form rough surface for new plaster (elsewhere measured). | m2 | 5 |

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Alterations, etc.

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| Item No | Labour Ref | Unit | Quantity | Rate | Amount | | |
|---------|------------|--|----------|------|--------|--|--|
| | | <p><u>EARTHWORKS</u> <u>(PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Nature of material to be excavated:</u></p> <p>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".</p> <p>"Soft rock" - Hard material, the removal of which warrants the use of pneumatic tools and includes hard shale, ferricite, compact outcrop and material of similar hardness.</p> <p>"Hard rock" - Granite, quartzitic sandstone or other rock of similar hardness, the removal of which requires drilling, wedging and splitting or the use of explosives.</p> | | | | | |
| | | Carried to Collection | | | R | | |
| | | Bill No. 2 Earthworks | | | | | |

| | | | | |
|----|---|----|-----|---|
| | <p><u>Carting away of excavated material:</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.</p> <p><u>Dewatering of excavations:</u></p> <p>The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water</p> <p><u>Density testing on filling:</u></p> <p>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.</p> <p><u>Imported fill:</u></p> <p>"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"</p> <p><u>EXCAVATION, ETC</u></p> <p><u>Excavation in earth not exceeding 2m deep:</u></p> | | | |
| LI | | | | |
| 1 | Trenches. | m3 | 2 | |
| 2 | Reduced levels under floors. | m3 | 13 | |
| | <p><u>Extra over trench and hole excavations in earth for excavation in:</u></p> | | | |
| 3 | Soft rock. | m3 | 0.5 | |
| | Carried to Collection | | | |
| | Bill No. 2 Earthworks | | | R |

| | | | | | |
|----|--|--|----|-----|------|
| 4 | | Hard rock. | m3 | 0.2 | |
| LI | | <u>Extra over all excavations for carting away:</u> | | | |
| 5 | | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 15 | |
| | | <u>Risk of collapse of excavations:</u> | | | |
| 6 | | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 10 | |
| | | <u>Keeping excavations free of water:</u> | | | |
| 7 | | Keeping excavations free from mud and all water including subterranean sources. | | | Item |
| | | <u>EARTH FILLING, ETC.</u> | | | |
| LI | | <u>Earth filling supplied by the contractor (G5) compacted to 98% Mod AASHTO density:</u> | | | |
| 8 | | Under floors, steps, pavings, etc. | m3 | 13 | |
| LI | | <u>Coarse river sand filling supplied by the contractor:</u> | | | |
| 9 | | Under floors etc. (Provisional). | m3 | 2 | |
| LI | | <u>Compaction of surfaces:</u> | | | |
| 10 | | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density. | m2 | 43 | |
| | | <u>Prescribed density tests on filling:</u> | | | |
| 11 | | Allow for compaction tests by an approved laboratory to determine density of filling material. | No | 2 | |
| 0 | | <u>PROTECTION AGAINST TERMITES</u> | | | |
| | | Carried to Collection | | | R |
| | | Bill No. 2 Earthworks | | | |

| | | | | | |
|------------------------------|---|--|----|----|---|
| 12 | 0 | <u>Soil insecticide:</u> Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming. | m2 | 43 | R |
| Carried to Collection | | | | | |
| Bill No. 2 Earthworks | | | | | |

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Earthworks

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| | | <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> | | | |
| | | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> | | | |
| | | <p><u>SUPPLEMENTARY PREAMBLES</u></p> | | | |
| | | <p><u>Proprietary products in descriptions:</u></p> | | | |
| | | <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> | | | |
| | | <p><u>Cost of tests:</u></p> | | | |
| | | <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).</p> | | | |
| | | <p><u>Formwork:</u></p> | | | |
| | | <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> | | | |
| | | <p>Carried to Collection</p> | | | |
| | | <p>Bill No. 3 Concrete, Formwork and Reinforcement</p> | | | R |

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|----|---|----|----|---|
| | <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p> <p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25MPa/20mm concrete:</u></p> | | | |
| LI | | | | |
| 1 | Footings to walls (Provisional). | m3 | 2 | |
| 2 | Surface beds on waterproofing. | m3 | 6 | |
| | <p><u>CONCRETE SUNDRIES</u></p> <p><u>Finishing top surfaces of concrete smooth with a wood float including application of tinted hardener:</u></p> | | | |
| LI | | | | |
| 3 | Surface beds to falls. | m2 | 43 | |
| | <p><u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP Work Group No 111)</u></p> <p><u>Smooth Formwork to Sides:</u></p> | | | |
| 4 | Edges, risers, ends and reveals not exceeding 300mm high or wide. | m | 28 | |
| | Carried to Collection | | | |
| | Bill No. 3 Concrete, Formwork and Reinforcement | | | R |

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|---|----|---|----|----|---|
| | | <u>MOVEMENT JOINTS ETC</u> | | | |
| | | <u>Expansion joints with 'Jointex' light weight, cross linked, closed cell, expanded Polyethylene joint former with a hinged temporary blocking piece between vertical concrete or brick surfaces:</u> | | | |
| 5 | | 20mm Joints not exceeding 300mm high (Provisional). | m | 39 | |
| | | <u>Approved polysulphide sealing compound:</u> | | | |
| 6 | | 20mm wide average x 20mm deep In vertical expansion joints between concrete and brick surfaces, including removing expansion joint blocking piece as necessary (Provisional). | m | 39 | |
| 7 | | 8mm wide x 35mm deep in reamed sawcut joints (Provisional). | m | 9 | |
| | | <u>Saw Cut/Ream out Joints:</u> | | | |
| | | <u>Note: initial sawcut to be 3mm wide and 40mm deep and to be done between 4 hours and 48 hours after concrete placement. Reaming to final width of 8mm and depth of 35mm is not to be undertaken until concrete is cured for a minimum of 7 days.</u> | | | |
| 8 | | 8 x 35mm Deep Joints (Provisional). | m | 9 | |
| | | <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| 9 | LI | <u>Fabric reinforcement:</u> REF. 395 fabric reinforcement in concrete surface beds, slabs, etc. | m2 | 48 | |
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| | | Bill No. 3 Concrete, Formwork and Reinforcement | | | |

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|---------|------------|---|----------|------|--------|--|--|--|
| | | <p><u>MASONRY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Sizes in descriptions:</u></p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p> <p><u>Face bricks:</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p> <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, and cleaning etc.</p> <p><u>Samples, etc:</u></p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples.</p> | | | | | | |
| | | Carried to Collection | | | R | | | |
| | | Bill No. 4 Masonry | | | | | | |

Concrete masonry units:

Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7 MPa

Wall ties for blockwork:

Wall ties shall be polypropylene "Permaties" complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other

Blockwork:

Blockwork shall comply with SABS 0145 "Concrete Masonry Construction"

Surfaces shall have joints raked out to a depth of at least 10mm and pointed on exposed surfaces. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole.

Standard complementary blocks:

Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary

BRICKWORK IN SUPERSTRUCTURE

Carried to Collection

Bill No. 4
Masonry

R

| | | | | | |
|---|----|---|----|-----|---|
| 1 | LI | <p><u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u></p> <p>One brick walls.</p> | m2 | 44 | |
| | | <u>BRICKWORK SUNDRIES</u> | | | |
| 2 | LI | <p><u>Brickwork reinforcement:</u></p> <p>150mm Wide reinforcement built in horizontally.</p> | m | 523 | |
| 3 | | <p><u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc:</u></p> <p>15 x 150mm Wide sills set flat and slightly projecting.</p> | m | 27 | |
| | | <u>FACE BRICKWORK</u> | | | |
| 4 | | <p><u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u></p> <p>220mm Brick on edge sill bedded sloping and jointed in cement mortar and pointed on top, edge and projecting soffit including cutting and fitting between reveals and splay cutting brickwork under.</p> | m | 27 | |
| | | Carried to Collection | | | |
| | | <p>Bill No. 4 Masonry</p> | | | R |

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| | | <p><u>WATERPROOFING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p> | | | | |
| | LI | <p><u>One layer of 250 micron 'USB GREEN' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> | | | | |
| 1 | | Under surface beds. | m2 | 43 | | |
| | | <p><u>One layer of 375 micron embossed dampcourse waterproof sheeting below walls, sills, etc:</u></p> | | | | |
| 2 | | Below walls, sills, etc. | m2 | 8 | | |
| | | <p><u>JOINT SEALANTS ETC</u></p> <p><u>Anti-mould Clear Neutral silicone sealant:</u></p> | | | | |
| 3 | | In joint sealing and pointing all round external window and door frames. | m | 97 | | |
| | | <p>Carried Forward to Summary of Section No. 3</p> | | | | R |
| | | <p>Bill No. 5 Waterproofing</p> | | | | |

| Item No | Labour Ref | Unit | Quantity | Rate | Amount | |
|---------|------------|---|----------|------|--------|--|
| | | <u>ROOF COVERINGS ETC.</u> | | | | |
| | | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> | | | | |
| | | <u>Fixing:</u> | | | | |
| | | <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.</p> | | | | |
| | | <u>Guarantee:</u> | | | | |
| | | <p>The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.</p> | | | | |
| | | <u>Pricing:</u> | | | | |
| | | <p>Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).</p> | | | | |
| | | Carried to Collection | | | | |
| | | Bill No. 6 | | | | |
| | | Roof Coverings Etc. | | | | |
| | | | | R | | |

| | <p><u>RIBBED SHEETING AND ACCESSORIES</u></p> <p><u>0.8mm Z275 Pre-painted factory coated finished (Colomet) galvanised IBR roof sheeting, colour as per Architect to one side, and standard grey backing coat to underside, etc., including fixing to timber purlins (elsewhere measured) and including all galv. roof screws, washers & washer caps (to match roof colour), etc strictly in accordance with manufacturer's specification.</u></p> | | | | |
|---|---|----|-----|--|---|
| 1 | Roof covering with pitch not exceeding 50 degrees. | m2 | 275 | | |
| 2 | Moulded polyclosers to match roof profile. | m | 51 | | |
| | <p><u>0,8mm Nominal thickness ditto, but flashings:</u></p> | | | | |
| 3 | Ridge 460mm girth with minimum 230mm laps, fixed to roof sheeting (measured net). | m | 25 | | |
| 4 | Extra on last, for closed end. | No | 4 | | |
| 5 | Headwall flashing 375mm girth, two times bent along girth and notched on site to suit roof profile. | m | 15 | | |
| 6 | Counter flashing 185mm girth and two times bent along girth. | m | 15 | | |
| 7 | Barge flashing 580mm girth and three times bent along girth. | m | 40 | | |
| 8 | Metal serrated closures to ridges to suit IBR profile. | m | 51 | | |
| | <p><u>ROOF AND WALL INSULATION</u></p> <p><u>Envirotuff 203 or similar approved industrial foil with max. 150mm overlaps. As per SANS 428, r-value 1.2:</u></p> | | | | |
| 9 | Insulation laid between trusses and purlins. | m2 | 275 | | |
| | Carried to Collection | | | | R |
| | Bill No. 6 Roof Coverings Etc. | | | | |

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Roof Coverings Etc.

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The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

- (a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.
- (b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.
- (c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.
- (d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.
- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).
- (f) Seperate connection details for hip, valley and jack rafters.

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- (g) Maximum spacing for purlins and bracing to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

Joinery:

Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Fixing:

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Where items are described as "bolted" the bolts have been measured elsewhere.

ROOFS ETC

Sawn softwood:

| | | | |
|---|---|----|-----|
| 1 | 50 x 76mm Purlins. | m | 228 |
| 2 | 50 x 76mm Sprockets average 350mm long, brass screwed to purlins. | No | 48 |

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Carpentry and Joinery

R

Wrought softwood:

| | | | |
|---|--|---|-----|
| 3 | 50 x 76mm Purlins. | m | 127 |
| 4 | 50 x 76mm Bearer fascia support (Provisional). | m | 51 |

EAVES, VERGES, ETC

Pressed fibre-cement:

| | | | |
|---|---|---|----|
| 5 | 12 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc. | m | 51 |
| 6 | 85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes etc. | m | 40 |

DOORS ETC

Wrought meranti doors:

| | | | |
|---|---|----|---|
| 7 | 44mm Thick, framed, ledged, braced and batten door, formed of 44 x 114mm stiles and top rail, 22 x 114mm middle ledge and braces and 22 x 222mm bottom ledge, the stiles and top rail grooved for and filled in with 22 x 70mm tongued, grooved and V-jointed vertical boarding, with braces brass screwed to every board, size 813 x 2,032mm high. | No | 3 |
|---|---|----|---|

BEADS, ARCHITRAVES, ETC

Wrought meranti:

| | | | |
|---|--|---|----|
| 8 | 19 x 76mm Skirting fixed to walls including 19mm quadrant bead planted on. | m | 80 |
|---|--|---|----|

Sundries:

| | | | |
|---|--|---|---|
| 9 | 38 x 76 mm Chamferred and grooved weatherboard fixed in and including groove or rebate in underside of door. | m | 3 |
|---|--|---|---|

Carried to Collection

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Bill No. 7
Carpentry and Joinery

Bill No. 7
Carpentry and Joinery

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Bill No. 7
Carpentry and Joinery

R

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Descriptions:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>Gypsum 6,4mm Ceiling Boards, fixed with Dri-wall screws, with joints covered with strips of mesh scrim nailed over joints and the whole finished with 2 coats gypsum skim plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer:</u></p> | | | |
| 1 | <p>Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.</p> | m2 | 138 | |
| | <p><u>Gypsum cornice, or equal approved, plugged to walls including mitres, etc.:</u></p> | | | |
| 2 | <p>75mm Coved cornice.</p> | m | 83 | |
| | Carried to Collection | | | R |
| | <p>Bill No. 8 Ceilings, Partitions and Access Flooring</p> | | | |

Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:

| | | | |
|---|--|----|-----|
| 3 | 102mm thick cavity batt Insulation closely fitted and laid on top of branderling between roof timbers etc. | m2 | 138 |
|---|--|----|-----|

Carried to Collection

Bill No. 8
Ceilings, Partitions and Access Flooring

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Bill No. 8
 Ceilings, Partitions and Access Flooring

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Bill No. 8
 Ceilings, Partitions and Access Flooring

R

| Item No | <u>FLOOR COVERINGS, WALL LININGS, ETC</u> | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Cleaning:</u></p> <p>Rates for floor covering shall include for proper cleaning on completion.</p> <p><u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u></p> <p><u>Supply and fix 2.0mm thick x 2.0m wide vinyl sheeting with reinforced surface treatment, manufactured in accordance with EN 649 and laid in acrylic adhesive. The sheeting must be rolled in both directions with an articulated 68kg three-sectional roller immediately after it has been laid into adhesive. Joints must be butted, grooved and heat welded using the manufacturer's colour-matched multicolour welding rod, ensuring that the welding rod bonds to more than 70% of the sheet thickness.</u></p> | | | |
| 1 | On smooth screeded floors. | m2 | 138 | |
| | <p><u>POLISH, SEALERS, ETC</u></p> <p><u>Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:</u></p> | | | |
| 2 | On vinyl flooring. | m2 | 138 | |
| | Carried Forward to Summary of Section No. 3 | | | R |
| | Bill No. 9 Floor Coverings, Wall Linings, Etc. | | | |

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <p><u>IRONMONGERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p><u>Finishes to ironmongery:</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing:</p> <p>Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories</p> <p>Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories</p> <p><u>Locks:</u></p> <p>1 Three lever approved mortice lock (Union 2277-78) complete with approved chromium plated handles. No 3</p> <p><u>Sundries:</u></p> <p>2 32mm Diameter black rubber door stop plugged to concrete floor. No 3</p> <p>3 50mm Plastic key tag. No 6</p> <p><u>LETTERS, NAMEPLATES, ETC.</u></p> | | | |
| | Carried to Collection | | | R |
| | Bill No. 10 Ironmongery | | | |

Acrylic door plates:

| | | | |
|---|--|----|---|
| 4 | 40 x 40 x 5mm Thick black acrylic door number plate with two numbers size 25mm high, engraved with arial font and painted white, fixed to door, door frame or wall with chromium plated domeheaded screws. | No | 3 |
| 5 | 250 x 40 x 6mm Thick white acrylic door name plate with nine letters size 30mm high, engraved with arial font and painted navy, fixed to door, door frame or wall with double sided adhesive tape (Provisional). | No | 3 |

Carried to Collection

Bill No. 10
Ironmongery

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Bill No. 10
Ironmongery

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Bill No. 10
Ironmongery

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| Item No | <u>METALWORK</u> | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>NOTE: All steel will be Hot dipped galvanised unless otherwise stated.</p> <p><u>PRE-GALVANISED PRESSED STEEL DOOR FRAMES</u></p> <p>Note : In accordance with an instruction from the Department of Public works all door frames and windows are to be galvanised, regardless of the locality of the clinic</p> <p><u>1,2mm Double rebated frames suitable for one brick walls</u></p> | | | |
| 1 | <p>Frame for door 813 x 2032mm high.</p> <p><u>GALVANIZED STEEL WINDOW FRAMES</u></p> <p><u>Standard window frames fitted with burglar bars to all opening sections at factory:</u></p> | No | 3 | |
| 2 | <p>Type WA/E1 (1200 x 1200mm high) steel window frame with four bottom hung window panes opening inwards with x2 galvanised hinges per openable section including standard brass fittings.</p> | No | 9 | |
| | Carried to Collection | | | R |
| | Bill No. 11 Metalwork | | | |

| | | | |
|---|--|----|---|
| 3 | Type WE2 (1800 x 1200mm high) steel window frame with six bottom hung window panes opening inwards with x2 galvanised hinges per openable section including standard brass fittings. | No | 9 |
|---|--|----|---|

GALVANIZED GATES & DOORS

Hot Dipped Galvanised Steel Gates:

Note: The contractor is to check on site measurements before placing of order.

| | | | |
|---|--|----|---|
| 4 | Size 1000mm x 2100mm high, as per door schedule (GA1), made up of 50 x 50 x 3mm Galvanised mild steel rectangular hollow section welded to form frame with 20 x 20 x 2mm Galvanised mild steel square sections placed diagonally in main frame including 1 No. Galvanised mild steel heavy duty sliding bolt for padlock bolt, 1 No. Galvanised mild steel heavy duty drop bolt, 3 No. Galvanised HD mild steel hinges as supplied by gate manufacturer and 50mm wide brass padlock. | No | 3 |
|---|--|----|---|

STEEL LOCKERS

Approved standard epoxy powder coated finish lockers, etc. fixed in position strictly in accordance with the manufacturer's specification:

| | | | |
|---|--|----|---|
| 5 | Steel double door stationary cupboard fitted complete with security bar, including 3 shelves, code 'CU50' and 6 times holed for and including fixing to wall with 70 x 10mm diameter expansion anchor and bolt, colour: cream. | No | 3 |
|---|--|----|---|

GALVANIZED STEEL HANDRAILS, BALUSTRADES, ETC

Note: The contractor is to check on site measurements before placing of order.

| | | | |
|---|---|---|----|
| 6 | Balustrade system 900mm high, composed of 76 x 25mm galvanised mild steel rectangular tube stanchions embedded into concrete at 1,075mm centres, with the same size tubing welded horizontally to the top of these stanchions, with two 76 x 6mm galvanised mild steel flat sections welded horizontally between stanchions and six 10mm diameter galvanised mild steel rods welded vertically onto the flat sections between the stanchions, all as per Walkway detail drawing no. MDA266(B)-MG-220. | m | 24 |
|---|---|---|----|

Carried to Collection

Bill No. 11
Metalwork

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Bill No. 11

Metalwork

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Bill No. 11
Metalwork

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| Item No | <u>PLASTERING</u> | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <p><u>Proprietary products in descriptions:</u></p> | | | |
| | <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> | | | |
| | <u>SCREEDS</u> | | | |
| | <p><u>3:1 Cement plaster screeds steel trowelled on concrete:</u></p> | | | |
| 1 | 30mm thick on floors. | m2 | 14 | |
| 2 | In narrow widths. | m2 | 4 | |
| | <p><u>Grind and Prime existing surface with 4 to 5mm thick self-leveling Tal-Screed Master or Equal approved, in strict accordance with manufacturer's instructions, to form an even surface to receive vinyl sheeting (elsewhere measured):</u></p> | | | |
| 3 | On new screeded floors (Provisional). | m2 | 138 | |
| | <u>EXTERNAL PLASTER</u> | | | |
| | <p><u>12mm Steel trowel finish plaster masonry primer undercoat finished with 3mm thick tinted trowel applied Resin bonded plaster with 2mm aggregate to create random pattern on brickwork:</u></p> | | | |
| 4 | On walls (Provisional). | m2 | 98 | |
| 5 | In narrow widths. | m2 | 26 | |
| | <u>INTERNAL PLASTER</u> | | | |
| | Carried to Collection | | | R |
| | <p>Bill No. 12 Plastering</p> | | | |

15mm Steel trowel smooth plaster on brickwork:

| | | | |
|---|-------------------|----|-----|
| 6 | On walls. | m2 | 111 |
| 7 | In narrow widths. | m2 | 31 |

Carried to Collection

Bill No. 12
Plastering

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Bill No. 12

Plastering

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Bill No. 12
Plastering

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No

Quantity

Rate

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**PLUMBING AND DRAINAGE
(PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.

Chasing:

Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Carried to Collection

R

Bill No. 13
Plumbing and Drainage

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Stainless steel basins, sinks, wash troughs, urinals, etc:

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Carried to Collection

Bill No. 13
Plumbing and Drainage

R

Fixing:

Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.

Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Sleeve pipes:

Electrical sleeve pipes to be Class 34 and are to include for draw wires.

RAINWATER DISPOSAL (PROVISIONAL):

Aluminium seamless gutter, overall size 150 x 130 x 0,6mm thick coated internally and externally with ColourTech G4 in colour Marble White:

| | | | |
|---|--|----|----|
| 1 | 150mm x 130mm VHV eaves gutter with beaded from fixed to walls at not exceeding 900mm centres with and including aluminium alloy gutter brackets to roof timbers all jointing strictly in accordance the manufacturers specification including short lengths, etc. | m | 51 |
| 2 | Extra over eaves gutter for stopped end. | No | 8 |
| 3 | Extra over eaves gutter for outlet for 100 x 75mm pipe. | No | 8 |
| 4 | 100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres. | m | 40 |
| 5 | Extra over rainwater pipe for bend. | No | 32 |
| 6 | Extra over rainwater pipe for shoe. | No | 8 |

Carried to Collection

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Bill No. 13
Plumbing and Drainage

Bill No. 13
Plumbing and Drainage

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Bill No. 13
Plumbing and Drainage

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| Item No | <u>GLAZING</u> | Quantity | Rate | Amount |
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| <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| <p><u>Proprietary products in descriptions:</u></p> | <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> | | | |
| <u>GLAZING TO STEEL WITH PUTTY</u> | <u>6,38mm Normal strength clear laminated safety glass:</u> | | | |
| 1 Panes exceeding 0,1m2 and not exceeding 0,5m2. | | m2 | 32 | |
| Carried Forward to Summary of Section No. 3 | | | | R |
| Bill No. 14 Glazing | | | | |

| Item No | <u>PAINTWORK</u> | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p>All work to be executed in strict accordance with the specifications of the paint manufacturer.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON FIBRE-CEMENT OR SKIMMED RHINOBOARD</u></p> <p><u>Prepare and apply two coats pure acrylic roof paint on:</u></p> | | | |
| 1 | Fascias and barge boards. | m2 | 53 | |
| | <p><u>Prepare and prime nail heads and apply one coat plaster primer thinned 5 parts to 1 part Mineral Turpentine and paint with two coats pure acrylic paint on:</u></p> | | | |
| 2 | Ceilings and cornices. | m2 | 138 | |
| | <p><u>Prepare and apply one coat universal primer, one undercoat and two coats superior quality eggshell enamel:</u></p> | | | |
| 3 | On sills. | m2 | 5 | |
| | Carried to Collection | | | R |
| | Bill No. 15 Paintwork | | | |

ON PLASTERED SURFACES

Prepare and apply one undercoat and paint with two coats premium quality pure acrylic PVA for external use on:

| | | | | |
|---|-----------------|----|-----|--|
| 4 | External walls. | m2 | 124 | |
|---|-----------------|----|-----|--|

Prepare and apply one undercoat and paint with two coats premium quality pure acrylic PVA on:

| | | | | |
|---|-----------------|----|-----|--|
| 5 | Interior walls. | m2 | 137 | |
|---|-----------------|----|-----|--|

ON WOOD

Prepare and apply one coat wood primer, one undercoat and two coats superior quality smooth gloss enamel on:

| | | | | |
|---|---------------------------------------|----|----|--|
| 6 | General surfaces of timbers at eaves. | m2 | 32 | |
|---|---------------------------------------|----|----|--|

Prepare and apply three coats polyurethane matt varnish on:

| | | | | |
|---|--------------------------------|----|----|--|
| 7 | Doors (all surfaces measured). | m2 | 11 | |
|---|--------------------------------|----|----|--|

| | | | | |
|---|--|---|----|--|
| 8 | Skirtings, Frames, rails, etc not exceeding 300mm girth. | m | 83 | |
|---|--|---|----|--|

ON METAL

Clean down thoroughly with galvanised iron cleaner, wash down with water, prime with one coat galvanised metal primer and finish with two coats superior universal non drip enamel on:

| | | | | |
|---|--|----|----|--|
| 9 | Exterior gates, grilles, burglar screens, balustrades, etc. (both sides measured over the full flat area). | m2 | 13 | |
|---|--|----|----|--|

RENOVATIONS

ON PLASTER, etc

Renovations

On plaster, etc

Carried to Collection

Bill No. 15
Paintwork

R

Sand down thoroughly down existing paint, prepare patch and paint one coat approved primer, one undercoat and two coats premium quality Acrylic paint (PVA) interior use on :

| | | | |
|----|---|----|-----|
| 10 | Existing external plastered or bagged walls | m2 | 152 |
| 11 | Existing internal plastered or bagged walls | m2 | 173 |

ON TIMBER

Sand down thoroughly existing paint, prepare and cover nailheads, etc with metal primer and prime with one coat pink wood primer, one undercoat and two coats high gloss enamel paint on :

| | | | |
|----|---|----|----|
| 12 | General surfaces of existing roof timber at eaves | m2 | 44 |
|----|---|----|----|

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Paintwork

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Paintwork

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Paintwork

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SECTION SUMMARY - RENOVATIONS TO ADMIN AND ABLUTIONS

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ALTERNATIVE BUILDING TECHNOLOGY

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

All prices for the Prefabricated Building Bill of Quantities must include for all establishment and overhead charges to be incurred by the specialist supplier and sub-contractor. No additional charge will be entertained by the Employer for failure to price accordingly.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

PREFABRICATED BUILDING STRUCTURES

NOTE: All the alternative building technology buildings are design build therefore the contractor must employ a competent qualified design team for the design, construction supervision and commissioning of the buildings. The Modular Structures Specifications for Design, Manufacture, Supply, Deliver and Erect Prefabricated Structures attached to these Bills must be applied by the design team. JBCC principal building agreement clause will not apply on the alternative building technology buildings.

Description of erection process:

All material, workmanship, etc are to be of highest quality and must comply with SANS 10400 and SANS 204:2011.

Carried to Collection

R

Bill No. 1
Alternative Building Technology

A Concrete Floor Construction Method is to be used for this Project.
 Platforms and Concrete Floors on which the Structure will be placed is measured under External Works.
 Concrete verandahs floors and V-channels will also be measured under External Works.

Shop drawings and designs:

Successful Contractor must provide the Principal Agent with shop drawings and foundation designs before commencing with works on site. The Contractor must resume with the works only after the Client / Principal agent has approved the design of the buildings.

Quality certificates:

1. Contractor must provide compaction certificate for density.
2. Contractor must provide concrete compressive strength certificate.
3. Contractor must provide a structural walling certificate.
4. Contractor must provide a roof covering certificate.
7. Contractor must provide a certificate of compliance for electrical installation.
8. Contractor must provide a lighting protection certificate where applicable.
9. Contractor must provide a commission certificate for the entire building, it must also confirm the life expectancy of the building which be not less than 50 years.

Four (4) Classroom block plus HOD Office“Prefabricated structure”

1 Construction of prefabricated structure for classrooms **(60m2 per classroom plus 26m2 HOD)** building size 35,950mm x 9,180mm wide x 3,000mm high overall, building width is **inclusive of verandah 1,500mm wide** with verandah poles encased in concrete (concrete elsewhere measured). Prefabricated structure complete including prefabricated walling, doors, windows, ceilings, roofs, Electrical and finishes including vinyl floor tiles to concrete. Structure to conform to the NHBRC and SANS standards. Each classroom must have a pinning board size 4800 x 1200mm high, chalk board size 4800 x 1200mm high and Steel teachers cupboard. The structures must also include barge boards, fascia boards, gutters and downpipes.HOD to include two pinning boards sized 4800 x 1200mm high.Including interleading door and walling at HOD.

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Nutrition Centre “Prefabricated structure”

2 Construction of prefabricated structure for a nutrition centre (**83m2**) building, size 11.270mm x 9,180mm wide x 3,000mm high overall, building width is **inclusive of verandah 1,500mm wide** with verandah poles encased in concrete (concrete elsewhere measured).
 Prefabricated structure complete including prefabricated walling, doors, windows, ceilings, roofs, Electrical and finishes including vinyl floor tiles to concrete. Nutrition Centre to include Separate store facility (7,5m2) with Six (6) floor standing adjustable mild duty steel shelving size 900mm x 380mm x 1800mm high. Structure to conform to the NHBRC and SANS standards. Nutrition Centre must have a pinning board size 4800 x 1200mm high, and Steel teachers cupboard. The structures must also include barge boards, fascia boards, gutters and downpipes.

No 1

GRADE R “Prefabricated structure”

3 Construction of prefabricated structure for a Grade R centre (**83m2**) building, size 11.270mm x 9,180mm wide x 3,000mm high overall, building width is **inclusive of verandah 1,500mm wide** with verandah poles encased in concrete (concrete elsewhere measured).
 Prefabricated structure complete including prefabricated walling, doors, windows, ceilings, roofs, Electrical and finishes including vinyl floor tiles to concrete. Grade R Centre to include Two (2) Separate store facility (15m2) with Twelve (12) floor standing adjustable mild duty steel shelving size 900mm x 380mm x 1800mm high. Structure to conform to the NHBRC and SANS standards. Grade R Centre must have pinning board size 4800 x 1200mm high, chalk board size 4800 x 1200mm high and Steel teachers cupboard. The structures must also include barge boards, fascia boards, gutters and downpipes.

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COLLECTION

Total Brought Forward from Page No.

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No**

Amount

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| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|---|------|----------|------|--------|
| 1 | | <p><u>EXTERNAL WORK (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>DEMOLITIONS</u></p> <p><u>Demolish and remove:</u></p> <p>Demolish existing community build structure consisting of concrete floors, block/brick/mud and plaster walls, timber roof construction with corrugated roof covering, size +-20500mm x 7209mm overall on plan, including breaking up and removal of foundations and foundation brickwork complete, carting away material to a dumping site located by contractor and backfilling trenches with imported material compacted to 95% Mod AASHTO density.</p> | No | 1 | | |
| | | Carried to Collection | | | | R |
| | | Bill No. 1 External Work | | | | |

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|---|----|---|----|-------|---|
| 2 | | Demolish existing community build structure consisting of concrete floors, block/brick/mud and plaster walls, timber roof construction with corrugated roof covering, size +-15500mm x 7800mm overall on plan, including breaking up and removal of foundations and foundation brickwork complete, carting away material to a dumping site located by contractor and backfilling trenches with imported material compacted to 95% Mod AASHTO density. | No | 1 | |
| 3 | | Demolish existing community build structure consisting of concrete floors, block/brick/mud and plaster walls, timber roof construction with corrugated roof covering, size +-9321mm x 6200mm overall on plan, including breaking up and removal of foundations and foundation brickwork complete, carting away material to a dumping site located by contractor and backfilling trenches with imported material compacted to 95% Mod AASHTO density. | No | 1 | |
| | | <p><u>BULK EARTHWORKS, PLATFORMS, CUT-OFF DRAINS, ETC</u></p> <p><u>Clearing of site:</u></p> | | | |
| 4 | LI | Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. | m2 | 3,366 | |
| | | <p><u>Excavations in earth:</u></p> | | | |
| 5 | LI | Remove topsoil and vegetation to a depth of 150mm and deposit on site in spoilheaps where directed by the Engineer. | m2 | 3,366 | |
| | | <p>Carried to Collection</p> <p>Bill No. 1 External Work</p> | | | R |

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|----|--|----|-------|--|---|
| LI | <u>Open face excavation not exceeding 2m deep:</u> | | | | |
| 6 | Over site to reduce levels and depositing excavated material in prescribed stock piles on site. | m3 | 1,797 | | |
| 7 | Excavate to cut in open face, not exceeding 2m deep to reduce levels and grade to fill and compact to 90% mod AASHTO density at optimum moisture content in 150mm thick layers. | m3 | 157 | | |
| 8 | Excavate to cut in for cut off drain, not exceeding 2m deep to reduce levels and grade to fill to form cut off berm and compact to 90% mod AASHTO density at optimum moisture content. | m3 | 68 | | |
| | <u>Extra over bulk excavation in earth for excavation in:</u> | | | | |
| 9 | Soft rock. | m3 | 359 | | |
| 10 | Hard rock. | m3 | 153 | | |
| | <u>Extra over all excavations for carting away:</u> | | | | |
| 11 | Surplus material from stock piles on site to a dumping site to be located by the contractor. | m3 | 1,797 | | |
| | <u>Keeping excavations free of water:</u> | | | | |
| 12 | Keeping excavations free of water. | | Item | | |
| | <u>Earth filling supplied by the contractor under pavings etc.</u> | | | | |
| 13 | Over site of G7-SUBGRADE material compacted to 95% Mod A.A.S.H.T.O. density. | m3 | 157 | | |
| | Carried to Collection | | | | |
| | Bill No. 1 External Work | | | | R |

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|----|----|---|----|-------|---|
| 14 | LI | <p><u>Compaction of surfaces.</u></p> <p>Compaction of ground surface under roads etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material from excavated material where necessary and compacting to 93% Mod AASHTO density.</p> | m2 | 3,366 | |
| 15 | | <p><u>Prescribed density tests on filling:</u></p> <p>In-situ dry density test.</p> | No | 28 | |
| | | <p><u>PARKING, ASSEMBLY SLAB, VERANDAHS AND PATHWAYS</u></p> | | | |
| 16 | LI | <p><u>Site clearance:</u></p> <p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.</p> | m2 | 1,212 | |
| 17 | LI | <p><u>Open face excavation not exceeding 2m deep:</u></p> <p>Over site to reduce levels and depositing excavated material in prescribed stock piles on site.</p> | m3 | 354 | |
| 18 | | <p><u>Extra over bulk excavation in earth for excavation in:</u></p> <p>Soft rock.</p> | m3 | 71 | |
| 19 | | <p>Hard rock.</p> | m3 | 15 | |
| 20 | | <p><u>Extra over all excavations for carting away:</u></p> <p>Surplus material from stock piles on site to a dumping site to be located by the contractor.</p> | m3 | 354 | |
| 21 | | <p><u>Risk of collapse of excavations:</u></p> <p>Sides of trench and hole excavations not exceeding 1,5m deep.</p> | m2 | 29 | |
| | | <p>Carried to Collection</p> | | | R |
| | | <p>Bill No. 1 External Work</p> | | | |

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| 22 | <u>Keeping excavations free of water:</u> | | | |
| | Keeping excavations free of water. | | Item | |
| 23 | <u>Earth filling supplied by the contractor under pavings etc:</u> | | | |
| | Over site of G7-SUBGRADE material compacted to 98% Mod A.A.S.H.T.O. density. | m3 | 303 | |
| 24 | Over site of G6-BASE material 2% Cement Stabilized and compacted to 98% Mod A.A.S.H.T.O. density. | m3 | 50 | |
| LI | <u>Compaction of surfaces.</u> | | | |
| 25 | Compaction of ground surface under roads etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material from excavated material where necessary and compacting to 93% Mod AASHTO density. | m2 | 1,010 | |
| 26 | <u>Prescribed density tests on filling:</u> | | | |
| | In-situ dry density test. | No | 10 | |
| 27 | <u>Paving of 100 x 200 x 60mm bevelled Interlocking Pavers (SLATE) laid in stretcher bond on and including 20mm thick sand bed:</u> | | | |
| | Paving to walkway areas etc to falls. | m2 | 1,010 | |
| 28 | 1:6 sand/cement mix is to be swept into joints between concrete pavers. | m2 | 1,010 | |
| 29 | Extra over ordinary paving for 200mm wide block-on-flat header course edging on 100mm thick mortar bed including unreinforced concrete haunching along outside edge. | m | 178 | |
| 30 | Extra over ordinary paving for 200mm wide block-on-flat header course edging circular on plan. | m | 13 | |
| | Carried to Collection | | | |
| | Bill No. 1 External Work | | | R |

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|----|---|----|-----|--|---|
| LI | <p><u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing:</u></p> | | | | |
| 31 | <p>Kerb (SABS 927) Fig 4, size 150 x 300mm high with unreinforced concrete haunching including excavation, backfilling, etc.</p> | m | 168 | | |
| 32 | <p>Ditto, but circular on plan not exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc.</p> | m | 12 | | |
| 33 | <p>Extra over Kerb (SABS 927) Fig 4 for transition kerb.</p> | No | 4 | | |
| | <p><u>Road marking:</u></p> | | | | |
| 34 | <p>Road marking paint not exceeding 300mm wide on paved road surface.</p> | m | 70 | | |
| 35 | <p>Ditto but white characters and symbols.</p> | No | 5 | | |
| | <p><u>RAMP AND STAIR WALLS</u></p> | | | | |
| LI | <p><u>Excavation in earth not exceeding 2m deep:</u></p> | | | | |
| 36 | <p>Trenches.</p> | m3 | 205 | | |
| | <p><u>Extra over trench and hole excavations in earth for excavation in:</u></p> | | | | |
| 37 | <p>Soft rock.</p> | m3 | 41 | | |
| 38 | <p>Hard rock.</p> | m3 | 21 | | |
| | <p><u>Extra over all excavations for carting away:</u></p> | | | | |
| 39 | <p>Surplus material from stock piles on site to a dumping site to be located by the contractor.</p> | m3 | 103 | | |
| | <p><u>Risk of collapse of excavations:</u></p> | | | | |
| 40 | <p>Sides of trench and hole excavations not exceeding 1,5m deep.</p> | m2 | 547 | | |
| | <p>Carried to Collection</p> | | | | R |
| | <p>Bill No. 1 External Work</p> | | | | |

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|----|----|--|----|-------|--|
| 41 | | <u>Keeping excavations free of water:</u> | | | |
| | | Keeping excavations free of water. | | Item | |
| 42 | | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density:</u> | | | |
| | | Backfilling to trenches, holes, etc. | m3 | 103 | |
| 43 | | <u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density:</u> | | | |
| | | Under floors, steps, pavings, etc. | m3 | 349 | |
| 44 | LI | <u>25MPa/20mm concrete:</u> | | | |
| | | Strip footings. | m3 | 62 | |
| 45 | LI | <u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u> | | | |
| | | One brick walls. | m2 | 424 | |
| 46 | LI | <u>Brickwork reinforcement:</u> | | | |
| | | 150mm Wide reinforcement built in horizontally. | m | 2,052 | |
| 47 | | <u>Facebricks (FBS) prime cost of R7 000.00 per thousand excluding VAT delivered to the site pointed with square ruled recessed horizontal and vertical joints:</u> | | | |
| | | Extra over brickwork for face brickwork externally. | m2 | 558 | |
| 48 | | <u>HDPE WATER SUPPLY</u> | | | |
| | | <u>HDPE Class 12 water pipes and laid in pipe trenches as SABS 1200 LB (flexible pipe bedding) of 1979 and excavation and backfilling as SABS 1200 DB of 1982:</u> | | | |
| | | 22mm Pipes laid in and including trenches not exceeding 1m deep. | m | 52 | |
| | | Carried to Collection | | | |
| | | Bill No. 1 | | | |
| | | External Work | | | |

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| | <u>Extra over trench excavation in earth for excavation in:</u> | | | |
| 49 | Soft rock. | m3 | 4 | |
| 50 | Hard rock. | m3 | 2 | |
| | <u>Extra over HDPE pipes for "Plasson" or other approved fittings:</u> | | | |
| 51 | 22mm Nipple. | No | 2 | |
| 52 | 22mm Bend. | No | 3 | |
| 53 | 22mm Tee. | No | 6 | |
| 54 | 22mm End Cap. | No | 1 | |
| | <u>Testing:</u> | | | |
| 55 | Allow for testing all water supplies, high rise tanks, etc. to the satisfaction of the Representative/Agent. All defective work is to be taken out and replaced at the Contractor's expense. | | | Item |
| | <u>SOIL DRAINAGE AND FRENCH DRAINS</u> | | | |
| LI | <u>Site clearance etc:</u> | | | |
| 56 | Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. | m2 | 304 | |
| LI | <u>Excavation in earth not exceeding 2m deep:</u> | | | |
| 57 | Drain soakaway. | m3 | 114 | |
| | <u>Extra over bulk excavation in earth for excavation in:</u> | | | |
| 58 | Soft rock. | m3 | 23 | |
| 59 | Hard rock. | m3 | 11 | |
| | Carried to Collection | | | R |
| | Bill No. 1 External Work | | | |

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|----|---|----|------|---|
| LI | <u>Extra over all excavations for carting away:</u> | | | |
| 60 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 68 | |
| | <u>Risk of collapse of excavations:</u> | | | |
| 61 | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 380 | |
| | <u>Keeping excavations free of water:</u> | | | |
| 62 | Keeping excavations free from mud and all water including subterranean sources. | | Item | |
| LI | <u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 95% Mod. AASHTO density:</u> | | | |
| 63 | Backfilling in layers of 150mm and compacted to 90% MOD AASHTO density on top of Geotextile. | m3 | 46 | |
| LI | <u>Earth filling supplied by the contractor and lightly compact:</u> | | | |
| 64 | Selected 19mm aggregate in one layer geotextile in french drain. | m3 | 68 | |
| | <u>Bidum</u> | | | |
| 65 | Kaymat U24 laid in french drain soakaway. | m2 | 495 | |
| | Carried to Collection | | | |
| | Bill No. 1 External Work | | | R |

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| 66 | LI | <p><u>uPVC Soil pipes (Class 34) (SABS 791-1986):</u></p> <p>110mm Pipes (Class B) laid in ground not exceeding 1000mm deep including all excavations in earth, bedding cradle and blanket fill of selected granular material, imported main fill complying with clause 3.2.3 of section DM of SABS 1200, compacting in layers not exceeding 150mm thick, adjust moisture content to optimum and compact to a density of 93% Modified AASHTO in drain trenches under roads or solid floors, including carting off surplus displaced material.</p> | m | 77 | |
| | | <p><u>Extra over uPVC pipes for fittings:</u></p> | | | |
| 67 | | 110mm Bend. | No | 6 | |
| 68 | | 110mm Junction. | No | 10 | |
| 69 | | 110mm Access junction. | No | 1 | |
| 70 | | 110mm Cast iron "ABC" cleaning eye. | No | 1 | |
| | LI | <p><u>Gulley traps, etc:</u></p> | | | |
| 71 | | 110mm uPVC Gulley trap and hopper with grid not exceeding 1000mm deep all set and encased in (20MPa) mass concrete to form kerb, finished smooth with plaster. | No | 1 | |
| | LI | <p><u>Drainage:</u></p> | | | |
| 72 | | 110mm Diameter perforated piping laid in drain soakaway. | m | 190 | |
| | | Carried to Collection | | | R |
| | | Bill No. 1 External Work | | | |

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| 73 | LI | <p><u>Catchpits, manholes, junction boxes, kerb inlets, etc.:</u></p> | | | | |
| | | <p>Manhole size 600 x 450mm x not exceeding 1m deep internally to invert level formed of hard burnt one brick sides in 1:3 cement mortar on and including 150mm thick mass concrete (20 MPa at 28 days in 19mm stone) bottom projecting 75mm beyond sides and mass concrete (15 MPa at 28 days in 12mm stone) benching, rendered internally in 1:3 cement plaster with 100mm thick mass concrete (20 MPa at 28 days in 19mm stone) kerb on top, rebated for and fitted with cast iron double seal cover and frame type 8A in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow including all necessary vitrified clay channels and fittings, excavations, formwork, holes through sides for pipes, etc</p> | No | 2 | | |
| | | <p><u>Headwalls/culverts:</u></p> | | | | |
| 74 | | <p>Construct headwall/culvert structure for 110mm Sewer pipe as per Engineers detail attached.</p> | No | 1 | | |
| | | <p><u>Testing:</u></p> | | | | |
| 75 | | <p>Allow for testing all drains, and water supplies to the satisfaction of the Principal Agent. All defective work is to be taken out and replaced at the Contractor's expense.</p> | | Item | | |
| | | <p><u>RAINWATER TANKS AND STANDS</u></p> | | | | |
| | LI | <p><u>Site clearance etc:</u></p> | | | | |
| 76 | | <p>Allow for clearing site including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly levelling.</p> | m2 | 133 | | |
| | LI | <p><u>Excavation in earth not exceeding 2m deep:</u></p> | | | | |
| 77 | | <p>Trenches.</p> | m3 | 84 | | |
| | | <p style="text-align: right;">Carried to Collection</p> | | | R | |
| | | <p>Bill No. 1 External Work</p> | | | | |

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| | <u>Extra over trench and hole excavations in earth for excavation in:</u> | | | |
| 78 | Soft rock. | m3 | 7 | |
| 79 | Hard rock. | m3 | 3 | |
| | <u>Extra over all excavations for carting away:</u> | | | |
| 80 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 55 | |
| | <u>Risk of collapse of excavations:</u> | | | |
| 81 | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 186 | |
| | <u>Keeping excavations free of water:</u> | | | |
| 82 | Keeping excavations free of water. | | Item | |
| | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density:</u> | | | |
| 83 | Backfilling to trenches, holes, etc. | m3 | 29 | |
| | <u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density:</u> | | | |
| 84 | Under floors, steps, pavings, etc. | m3 | 38 | |
| | <u>Compaction of surfaces:</u> | | | |
| 85 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density. | m2 | 38 | |
| LI | <u>25MPa/20mm concrete:</u> | | | |
| 86 | Strip footings. | m3 | 19 | |
| 87 | Surface beds. | m3 | 6 | |
| | Carried to Collection | | | |
| | Bill No. 1 External Work | | | R |

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| 88 | LI | <p><u>Finishing top surfaces of concrete smooth with a wood float:</u></p> <p>Apron slabs, paving, etc to slight falls.</p> | m2 | 61 | |
| 89 | | <p><u>Rough Formwork to Sides:</u></p> <p>Edges, risers, ends and reveals not exceeding 300mm high or wide.</p> | m | 116 | |
| 90 | LI | <p><u>Fabric reinforcement:</u></p> <p>REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.</p> | m2 | 61 | |
| 91 | LI | <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u></p> <p>One brick walls.</p> | m2 | 124 | |
| 92 | LI | <p><u>Brickwork reinforcement:</u></p> <p>150mm Wide reinforcement built in horizontally.</p> | m | 497 | |
| 93 | | <p><u>Galvanised hoop iron cramps, ties, etc:</u></p> <p>30 x 1,6mm Tie secured around tank and 4 times built into concrete (Total for one tank = 12 meters).</p> | No | 14 | |
| 94 | | <p><u>Facebricks (FBS) prime cost of R7 000.00 per thousand excluding VAT delivered to the site pointed with square ruled recessed horizontal and vertical joints:</u></p> <p>Extra over brickwork for face brickwork externally.</p> | m2 | 78 | |
| 95 | LI | <p><u>One layer of 250 micron 'USB GREEN' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> <p>Under surface beds.</p> | m2 | 61 | |
| Carried to Collection | | | | | R |
| Bill No. 1 External Work | | | | | |

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|-----|---|----|-----|---|
| LI | <p><u>Rainwater tanks:</u></p> | | | |
| 96 | <p>4500 Litre polyethylene rotomoulded vertical water storage tank complete with lid, fitted with and including 15mm brass bibtap (Type 108LK15) with suitable adaptor and setting in position on concrete tankstand (elsewhere measured) and tying down with 4mm diameter galvanised wire wrapped twice around centre of tank and secured to each corner of tank stand with a double strand of 4mm diameter galvanised wire embedded into concrete. (Note: tanks to be filled with water before Practical Completion).</p> | No | 14 | |
| 97 | <p>Hole through top of tank lid for 100mm diameter pipe.</p> | No | 14 | |
| | <p><u>STORMWATER CHANNELS</u></p> | | | |
| | <p><u>In situ concrete channels:</u></p> | | | |
| 98 | <p>600 x 150mm 20Mpa open concrete stormwater channel with 560 x 60mm deep 'V' channel, on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, formwork, compaction, grading, carting away, etc.</p> | m | 592 | |
| 99 | <p>Extra over for angles, intersections, ends, dressing into sides of catchpits, etc</p> | No | 109 | |
| 100 | <p>Extra over for widening concrete to form spreader 1200mm wide extreme, for a length of 1000mm and bedding 120mm stone pitching in concrete spaced at 200mm centre spacings to falls including brushing concrete between stones.</p> | No | 7 | |
| | <p><u>SIDEWALKS, PAVING AND CLASSROOM BLOCK FLOOR SLAB</u></p> | | | |
| | <p style="text-align: right;">Carried to Collection</p> | | | R |
| | <p>Bill No. 1 External Work</p> | | | |

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|-----|---|----|-------|---|
| LI | <u>Site clearance:</u> | | | |
| 101 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. | m2 | 1,827 | |
| LI | <u>Open face excavation not exceeding 2m deep:</u> | | | |
| 102 | Over site to reduce levels and depositing excavated material in prescribed stock piles on site. | m3 | 353 | |
| LI | <u>Excavation in earth not exceeding 2m deep:</u> | | | |
| 103 | Trenches. | m3 | 21 | |
| | <u>Extra over bulk excavation in earth for excavation in:</u> | | | |
| 104 | Soft rock. | m3 | 75 | |
| 105 | Hard rock. | m3 | 37 | |
| | <u>Extra over all excavations for carting away:</u> | | | |
| 106 | Surplus material from stock piles on site to a dumping site to be located by the contractor. | m3 | 375 | |
| | <u>Keeping excavations free of water:</u> | | | |
| 107 | Keeping excavations free of water. | | Item | |
| | <u>Earth filling supplied by the contractor under pavings etc:</u> | | | |
| 108 | Over site of SUBGRADE (G6) material compacted to 96% Mod A.A.S.H.T.O. density. | m3 | 215 | |
| LI | <u>Coarse river sand filling supplied by the contractor:</u> | | | |
| 109 | Under floors etc. (Provisional). | m3 | 43 | |
| | Carried to Collection | | | |
| | Bill No. 1 External Work | | | R |

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|-----|----|---|----|-------|---|
| 110 | LI | <p><u>Compaction of surfaces.</u></p> <p>Compaction of ground surface under roads etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material from excavated material where necessary and compacting to 93% Mod AASHTO density.</p> | m2 | 1,436 | |
| | | <p><u>Prescribed density tests on filling:</u></p> | | | |
| 111 | | <p>In-situ dry density test.</p> | No | 16 | |
| | LI | <p><u>25MPa/20mm concrete:</u></p> | | | |
| 112 | | <p>Paving surface beds cast in panels.</p> | m3 | 159 | |
| | LI | <p><u>Finishing top surfaces of concrete smooth with a wood float:</u></p> | | | |
| 113 | | <p>Paving, etc to slight falls.</p> | m2 | 1,436 | |
| | | <p><u>Rough Formwork to Sides:</u></p> | | | |
| 114 | | <p>Edges, risers, ends and reveals not exceeding 300mm high or wide.</p> | m | 1,116 | |
| | | <p><u>Expansion joints with 'Jointex' light weight, cross linked, closed cell, expanded Polyethylene joint former with a hinged temporary blocking piece between vertical concrete or brick surfaces:</u></p> | | | |
| 115 | | <p>8mm Joints not exceeding 300mm high (Provisional).</p> | m | 357 | |
| | | <p><u>Approved polysulphide sealing compound:</u></p> | | | |
| 116 | | <p>10mm wide average x 13mm deep In vertical expansion joints between concrete and brick surfaces, including removing expansion joint blocking piece as necessary (Provisional).</p> | m | 357 | |
| | | <p>Carried to Collection</p> | | | R |
| | | <p>Bill No. 1 External Work</p> | | | |

| | | | | | |
|-----|----|---|----|-------|---|
| 117 | LI | <p><u>Vertical construction joints through concrete including thick cement slurry to one face:</u></p> | m | 110 | R |
| | | <p>Surface beds not exceeding 300mm thick.</p> | | | |
| 118 | LI | <p><u>Fabric reinforcement:</u></p> | m2 | 867 | |
| | | <p>REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.</p> | | | |
| 119 | LI | <p><u>High tensile steel reinforcement to structural concrete work:</u></p> | kg | 3,334 | |
| | | <p>10mm Diameter bars.</p> | | | |
| 120 | LI | <p><u>One layer of 250 micron 'USB GREEN' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> | m2 | 1,436 | |
| | | <p>Under Surface Beds.</p> | | | |
| 121 | LI | <p><u>WASTE DRUM</u></p> | No | 4 | |
| | | <p><u>Suspended waste drum:</u></p> | | | |
| | | <p>Suspended waste drum unit to municipal solid waste specifications consisting of two 100mm diameter creosote impregnated posts planted in 600 x 600 x 800mm deep holes including filling with class B concrete, and suspending 220 litre iron drum complete with pivoting bolts, including removing top of drum and drilling holes in bottom.</p> | | | |
| 122 | LI | <p><u>HIGH LEVEL SECURITY FENCING (CLASS A)</u></p> | m | 598 | |
| | | <p><u>Clearing of site:</u></p> | | | |
| | | <p>Allow for clearing site for the width of 1,000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly levelling.</p> | | | |
| | | <p>Carried to Collection</p> | | | |
| | | <p>Bill No. 1 External Work</p> | | | |

| | | | | |
|-----|--|----|-----|---|
| LI | <u>Excavation in earth not exceeding 2m deep:</u> | | | |
| 123 | Trenches. | m3 | 72 | |
| 124 | Bases. | m3 | 11 | |
| | <u>Extra over trench and hole excavations in earth for excavation in:</u> | | | |
| 125 | Soft rock. | m3 | 15 | |
| 126 | Hard rock. | m3 | 8 | |
| | <u>Risk of collapse of excavations:</u> | | | |
| 127 | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 718 | |
| LI | <u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 95% Mod. AASHTO density:</u> | | | |
| 128 | Backfilling to trenches, holes, etc. | m3 | 74 | |
| LI | <u>Compaction of surfaces:</u> | | | |
| 129 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density. | m2 | 18 | |
| LI | <u>20MPa/20mm concrete:</u> | | | |
| 130 | Bases (Provisional). | m3 | 9 | |
| LI | <u>Mesh Galvanised then Fusion Bond powder coated Posts:</u> | | | |
| 131 | Taper locking post 85mm wide tapering to 45mm with a depth of 85mm, 3,000mm long incl. Locking Recess Mechanism to secure panel, posts sealed with a UV stabilized polymer cap. Posts spaced at 3,390mm intervals embedded in concrete bases (measured elsewhere). | No | 199 | |
| | Carried to Collection | | | R |
| | Bill No. 1 External Work | | | |

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|-----|----|--|----|-----|---|
| 132 | LI | <p><u>Mesh Galvanised then Fusion Bond powder coated Fencing:</u></p> <p>Fencing Panels 3,305 x 2,400mm high formed of 3.5mm coated wire, wire aperture size (centers) @ 76.2mm x 12.7mm. Panel reinforced with 4 x 50mm deep 'V' formation horizontal recessed bands, (rigidity). 2 x 75mm 70deg flanges along sides (internal fixtures - anti vandal). Allow for flush post and panel finish, 48 line wire secure connection, Locking recess mechanism and 1 x 90deg flange along top and 1 x 30deg flange toe (arrow-straight edges, intergrated angle). Include mechanically galvanised single bolt comb clamps, double bolt comb clamps and tech-bolts. Panels fixed to Taper Locking Post (measured elsewhere).</p> | No | 181 | |
| 133 | | <p><u>Gates:</u></p> <p>Single leaf Security fence swing gate, size 1,200 x 2,400mm high including spikes, formed of 3mm dia Galvanised wire with aperture size (centers) 76.2mm x 12.7mm. Mesh Galvanised, then Marine Fusion Bond coated (acid modified). All connections and joints shall be welded to form rigid frames or assembled with corner fittings. Hinges shall not twist or turn under the action of the gate and shall be so arranged that a closed gate cannot be lifted off the hinges to obtain entry. Include union padlock No 3122.</p> | No | 2 | |
| 134 | | <p>Double leaf Security fence swing gate, size 4,000 x 2,400mm high including spikes, formed of 3mm dia Galvanised wire with aperture size (centers) 76.2mm x 12.7mm. Mesh Galvanised, then Marine Fusion Bond coated (acid modified). All connections and joints shall be welded to form rigid frames or assembled with corner fittings. Hinges shall not twist or turn under the action of the gate and shall be so arranged that a closed gate cannot be lifted off the hinges to obtain entry. Include union padlock No 3122.</p> | No | 1 | |
| | | Carried to Collection | | | R |
| | | Bill No. 1 External Work | | | |

| | | | | |
|-------------------------------------|--|---|-----|---|
| 135 | <p><u>Sundries:</u></p> <p>100mm high Clearvu (or similar approved) toughened steel Shark tooth Spike 1,650mm long, Galvanised, then Marine Fusion Bond coated (acid modified) , fixed to pannel edge, internally at 150mm intervals using Anti-vandal bolts.</p> | m | 598 | |
| 136 | <p>600mm Anti-Burrow mesh extension secured to the lower edge integrated angle.</p> | m | 598 | |
| 137 | <p><u>Alteration work to security fencing:</u></p> <p>Remove complete existing stock fence including droppers, poles and concrete bases, overall 1,500 mm high.</p> | m | 598 | |
| Carried to Collection | | | | R |
| <p>Bill No. 1 External Work</p> | | | | |

Bill No. 1

External Work

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

Carried to Final Summary

R

Bill No. 1
External Work

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|------------|
| | <u>PROVISIONAL AMOUNTS</u> | | | |
| | <u>ELECTRICAL CONNECTION</u> | | | |
| 1 | Allow the sum of R 500,000.00 (Five Hundred Thousand Rand) for Electrical Connection. | Item | | 500,000.00 |
| 2 | Allow for profit on last if required. | Item | | |
| 3 | Allow for general attendance and making good in all trades on the Electrical Installation. | Item | | |
| | <u>JOINERY FITTING NUTRITION CENTRE</u> | | | |
| 4 | Allow the sum of R 80,000.00 (Eighty Thousand Rand) for Cupboards and stove for nutrition centre installation complete by specialist. | Item | | 80,000.00 |
| 5 | Allow for profit on last if required. | Item | | |
| 6 | Allow for general attendance and making good in all trades on the Electrical Installation. | Item | | |
| | <u>SCHOOL FURNITURE</u> | | | |
| 7 | Provide the amount of R650,000.00 (Six Hundred and Fifty Thousand Rand) for desks and teachers desks. | Item | | 650,000.00 |
| 8 | Allow for profit. | Item | | |
| 9 | Allow for attendance. | Item | | |
| | <u>COMMUNITY LIAISON OFFICER</u> | | | |
| 10 | Allow the sum of R 48,000.00 (Forty Eight Thousand Rand) for the placement of a Community Liaison Officer to be employed by the Main Contractor for duration of Contract. | Item | | 48,000.00 |
| 11 | Allow for attendance. | Item | | |
| | Carried to Final Summary | | | |
| | Bill No. 1 | | | |
| | Provisional Sums | | R | |

| Section No | <u>FINAL SUMMARY</u> | Page No | Amount |
|------------|---|---------|--------------|
| 1 | PRELIMINARIES | 34 | |
| 2 | GRADE R ABLUTIONS | 78 | |
| 3 | RENOVATIONS TO ADMIN AND ABLUTIONS | 128 | |
| 4 | ALTERNATIVE BUILDING TECNOLOGIES | 132 | |
| 5 | EXTERNAL WORKS | 153 | |
| 6 | PROVISIONAL SUMS | 154 | |
| | <u>CONTINGENCIES</u> | | |
| | Allow the sum of R400,000.00 (Four Hundred Thousand Rand) for Contingencies to be used or deducted in full at the Principal Agent's discretion. | | R 400,000.00 |
| | Sub Total | | R |
| | Add Value Added Tax at the rate of 15% | | R |
| | Carried to Form of Tender | | R |

Part 6: Site Information

C4 Site Information

C4: SITE INFORMATION - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

| | |
|----------------|--|
| Project title: | PROVISION OF PREFABRICATED CLASSROOMS TO REPLACE STORM DAMAGE AT MXAKA SENIOR PRIMARY SCHOOL |
| BID No: | SCMU6-23/24-0001 |

C4 Site Information – Existing operational education facilities

1. GROUND CONDITIONS

Geotech information not available. This is an existing site.

2. UNDERGROUND SERVICES

There are unidentifiable underground services traversing the area of works, care would need to be taken during excavations.

3. ADJACENT BUILDINGS

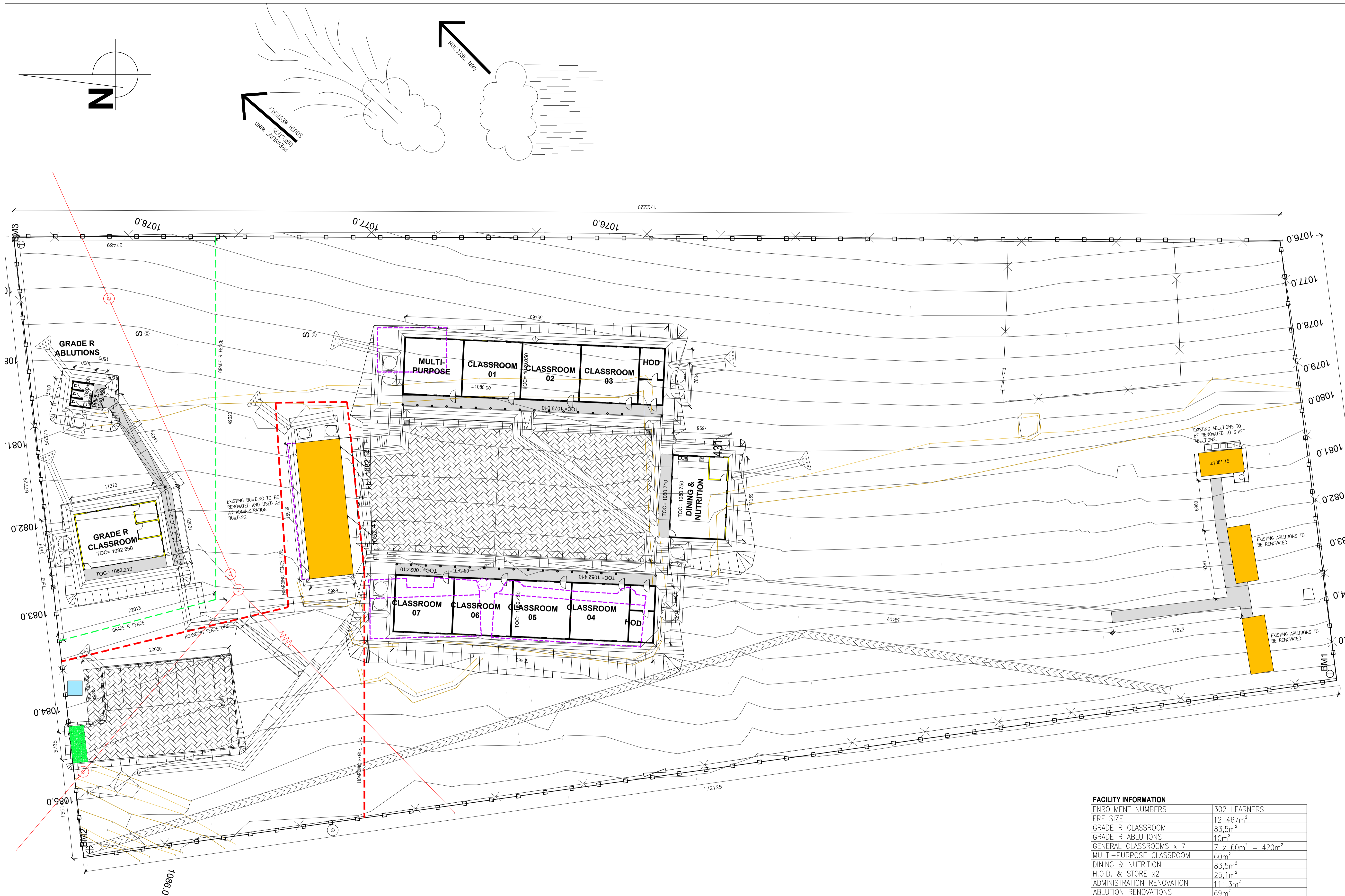
No adjacent buildings could be affected by the construction. No particular precautions have been identified by the Engineer for the protection of this structure.

4. ENVIRONMENTAL ISSUES

None

C5

Drawings



1 SITE PLAN - PHASE 2
1 : 250

| FACILITY INFORMATION | |
|--|--|
| ENROLMENT NUMBERS | 302 LEARNERS |
| ERF SIZE | 12 467m ² |
| GRADE R CLASSROOM | 83,5m ² |
| GRADE R ABLUTIONS | 10m ² |
| GENERAL CLASSROOMS x 7 | 7 x 60m ² = 420m ² |
| MULTI-PURPOSE CLASSROOM | 60m ² |
| DINING & NUTRITION | 83,5m ² |
| H.O.D. & STORE x2 | 25,1m ² |
| ADMINISTRATION RENOVATION | 111,3m ² |
| ABLUTION RENOVATIONS | 69m ² |
| GRADE R FENCE | 64m ² |
| PERIMETER FENCE | 487m ² |
| RAMPS & WALKWAYS: ALL CONCRETE WALKWAYS TO BE 1,5m WIDE AND MINIMUM 85mm ABOVE NATURAL GROUND LEVEL. ALL CONCRETE RAMPS AT 1:10 TO BE 5m LONG BETWEEN LANDINGS AND 1,5m WIDE. ALL CONCRETE RAMPS AT 1:12 TO BE 6m LONG BETWEEN LANDINGS AND 1,5m WIDE. 1m HIGH BALUSTRADES TO BE ADDED TO ALL RAMPS AND LANDINGS WHERE RAMPS AND LANDINGS ARE 255mm OR HIGHER THAN NATURAL GROUND LEVEL. | |

MUNICIPAL STAMP

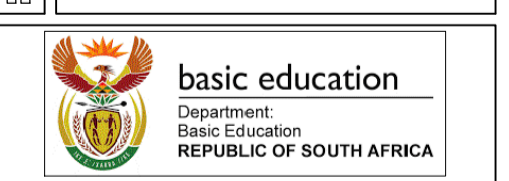
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 ALL WORK TO BE CARRIED OUT STRICTLY IN ACCORDANCE WITH MUNICIPAL AND/OR LOCAL AUTHORITY REGULATIONS.
 DO NOT SCALE THIS DRAWING.
 FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALING DRAWING.
 ALL RELEVANT DETAILS, LEVELS, AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORK.
 ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

GENERAL NOTES

| REV | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| A | 18-05-2023 | FIRST ISSUE FOR APPROVAL |
| B | 18-08-2023 | SITE LAYOUT REVISED |

PAUL CARTER
PR ARCH - 22107

PROJECT TITLE: MXAKA S.P.S.
EMIS NO. 200300399
 PROJECT DESCRIPTION: RENOVATIONS OF EXISTING STRUCTURES AND NEW PREFABRICATED STRUCTURES
 DRAWING DESCRIPTION: SITE DEVELOPMENT PLAN



PROJECT NUMBER: 1920.49
 DRAWING NUMBER: 1920.49-AR-DES-0001
 DATE: AUG '23
 SCALE: 1:250
 REVISION: B