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MPUMALANGA PROVINCIAL GOVERNMENT



**DEPARTMENT OF PUBLIC WORKS, ROADS AND
TRANSPORT**

BID NUMBER: PWRT/2615/26/MP

**GENERAL BUILDING MAINTENANCE FOR
EDUCATION, HEALTH FACILITIES AND
OTHER IMMOVABLE GOVERNMENT
ASSETS AT EHLANZENI, BOHLABELA,
GERT SIBANDE AND NKANGALA
DISTRICT FOR A PERIOD OF THREE (3)
YEARS - GRADE 7GB OR HIGHER (WITH
AN OPTION TO EXTEND)**

ISSUED BY:

Department of Public Works, Roads and Transport
Private Bag X11310
Mbombela
1200

NAME OF BIDDER:
TOTAL BID PRICE (all inclusive) :
(Also in words):
.....



**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

**DOCUMENT FOR THE GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A
PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO
EXTEND)**

PWRT/2615/26/MP

<p align="center">The Department of Public Works, Roads and Transport Private Bag X11310 Mbombela 1200</p> <p align="center">Rhino Building, Government Boulevard Riverside Park, Ext. 2 Mbombela 1200</p> <p align="center">Contact: Name: Ms. Joyce Madiba Telephone: 013 -766 8915</p>	<p align="center">The Department of Public Works, Roads and Transport Private Bag X11310 Mbombela 1200</p> <p align="center">Rhino Building, Government Boulevard Riverside Park, Ext. 2 Mbombela 1200</p> <p align="center">Contact: Name: Mr. Phumudzo Sinugo Telephone: 013 -766 8921</p>
<p>Tenderer:</p> <p>CSD Registration No:</p> <p>CIDB Registration Number:</p> <p>Total of the prices inclusive of value added tax: R</p> <p>Amount in words:</p> <p>.....</p>	

MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

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PART A: INVITATION TO BID

SBD 1

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS ROADS AND TRANSPORT					
BID NUMBER:	PWRT/2615/26/MP	CLOSING DATE:	AS PER TENDER ADVERTISEMENT	CLOSING TIME:	AS PER TENDER ADVERTISEMENT
DESCRIPTION	DOCUMENT FOR THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
MBOMBELA , Riverside Government Complex, Building No 9, Government Boulevard, Mbombela, 1200, MALELANE , The Provincial Treasury, 24 Air Street, Malelane, SIYABUSWA , Old Parliament Building, Building No.1, Job Skhosana Street, Siyabuswa, 0472, MIDDELBURG , Department of Public Works, Cnr. Lillian Ngoyi and Dr Breyers Naude Streets – Old TPA Building, Ground floor, Office numbers A5, A9 and 11, ELUKWATINI , Elukwatini Sub Regional offices, Office numbers A49 and A50 (opposite Elukwatini Community Hall) Stand number 12 Extension A, Elukwatini, 1190, PIET RETIEF , No. 11 Measroch Street, Piet Retief Office, KWAMHLANGA , KwaMhlanga Government Complex, The Provincial Treasury, Building No. 12, Computer Centre, BUSHBUCKRIDGE , The Provincial Treasury, R40 Road, Bakoena Business Complex, Bushbuckridge, SECUNDA , No 5 Van Eck Street, Secunda (opposite Sasol Value Gas Garage).					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON			CONTACT PERSON		
TELEPHONE NUMBER			TELEPHONE NUMBER		
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS			E-MAIL ADDRESS		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
a) ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		b) ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?

YES NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA?

YES NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?

YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?

YES NO

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

PART B: TERMS AND CONDITIONS FOR BIDDING

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

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

SIGNATURE OF BIDDER:

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

DATE:

MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

T1.1 Tender Notice and Invitation to Tender

Mpumalanga provincial Department of Public Works, Roads and Transport intends to invite tenders for the general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – Grade of **7GB or Higher** (with an option to extend), Mpumalanga Province.

Please note that bid documents can be collected at any of the above-mentioned offices,

Mbombela, Malelane, Siyabuswa, Middelburg, Middleburg, Elukwatini, Piet Retief, KwaMhlanga, Bushbuckridge and Secunda.

Bid Submissions:

1. TAKE CARE NOT TO SEND DOCUMENTS TO THE ADVERTISING DEPARTMENTS AS THE BID CLOSURES ARE NOT ADMINISTERED BY INDIVIDUAL DEPARTMENTS

2. TENDER DOCUMENTS SHOULD BE SUBMITTED IN AS ORIGINAL AND NO COPIES WILL BE ACCEPTED.

3. ALL TENDERS AND PROPOSALS SHOULD BE DELIVERED OR COURIERED TO THE SUPPLY CHAIN OFFICES LISTED BELOW, BEFORE THE CLOSING DATE AND TIME.

4. THE ADDRESS OF THE TENDERER, TENDER NUMBER AND CLOSING DATE MUST APPEAR ON THE FRONT OF THE ENVELOPE – DO NOT SUBMIT DIFFERENT TENDERS IN ONE ENVELOPE

5. TENDER BOXES ARE LOCATED AT THE FOLLOWING CLOSING CENTRES:

MBOMBELA

Riverside Government Complex
Building No 9, Government Boulevard, Mbombela, 1200
Telephone number: Mr. VS Ngobe (013) 766 6339 or Mr. FH Mkhondo (013) 766 6394 or Mr. J Sithole (013) 766 8258 or Ms. TL Khathide (013) 766 8259
Fax No: (013) 766 8455

MALELANE

The Provincial Treasury
24 air Street
Malelane
Contact Person: Mr. G Sibiya : 013 790 0436/0628 (number to be used during office hours only)
Fax No.: (013) 790 0514

SIYABUSWA

Old Parliament Building, Building No.1, Job Skhosana Street, Siyabuswa, 0472
Contact Person: Mr. Andries Mahlangu or Jim Maserumule or Thabiso Molekwa
Telephone number: (013) 973 0022/0081

MIDDELBURG

Department of Public Works
Cnr. Lillian Ngoyi and Dr Beyers Naudé Streets – Old TPA Building, Ground floor, Office numbers A5, A9 and 11 Contact Person: Ms. Lorraine Motebu or Ms. Mendy Kabini or Ms. Linah Nethononda or Mr. KS Msiza or Ms. YM Bahula Telephone number: (013) 282 8776 / 9151
Fax No.: (013) 282 8776

ELUKWATINI

Elukwatini Sub Regional offices Office numbers A49 and A50 (opposite Elukwatini Community Hall) Stand number 12 Extension A, Elukwatini, 1190. Contact Person: Ms. P Nkosi: Telephone No: 017 883 1396/7

PIET RETIEF

No. 11 Measroch Street, Piet Retief Office
Contact Person: Mr. Alex Shongwe: Telephone number: (017) 826 1671
Fax No.: (017) 826 0577

KWAMHLANGA

KwaMhlanga Government Complex
The Provincial Treasury, Building No. 12, Computer Centre
Contact Person: Ms. Linah Nethononda: 013 766 4872, Ms. Emily Mnguni: 013 766 4873,
Mr. MK Sibanyoni: 013 766 4900 or Mr. DE Mahlangu: 013 766 4875
Fax No.: (013) 947 2250

BUSHBUCKRIDGE

The Provincial Treasury, R40 Road, Bakoena Business Complex, Bushbuckridge
Contact Person: Ms. Mapula Kgotsoka, Ms. Patricia Shikwambana and Mr. Peterson Sithole: Ms. PT Mashego
Telephone Numbers: 013 799 0229 / 2125
Fax No.: (013) 799 0535

SECUNDA

No 5 Van Eck Street, Secunda (opposite Sasol Value Gas Garage)
Contact Person: Ms. Martha Mahlangu or Ms. TV Manana or Ms. MJ Mavimbela or Mr M Mlombo
Telephone Number: (013) 766 1796 or 1794 or 1790 or 1795 or 1797

It is estimated that tenderers must have a cidb contractor grading designation of **7GB or Higher** enterprises who satisfy criteria stated in the Tender Data may submit tender offers.

Respondents must have a contractor grading designation of **7GB or Higher** enterprises who satisfy criteria stated in the submission data may submit expressions of interest.

A non-refundable tender deposit of **R250** payable in cash or by bank guaranteed Cheque made out in favour of the Employer is required on collection of the tender documents.

Queries relating to the issues of these documents may be addressed to **Ms. JV Madiba**
Contact No. 013-766 8915 and Mr. PS Sinugo, contact number 013 766 8921

F.2.1 The following respondents who are registered with the cidb or are capable of being so registered within twenty-one (21) working days from the closing date for the submission of tenders are eligible to have their submissions evaluated:

- a) those respondents who are registered with the Construction Industry Development Board or are capable of being so registered within twenty-one (21) working days from the closing date for submission of tenders, in a contractor grading designation 7GB or Higher and
- b) contractors registered as potentially emerging enterprises with the cidb who are registered in one contractor grading designation lower than that required in terms of a) above

Only those respondents who are registered with the Construction Industry Development Board, or are capable of being so registered within twenty-one (21) working days from the closing date for submission of tenders, in a contractor grading designation of 7GB or Higher, are eligible to have their submissions evaluated.

F.2.1 Joint ventures are eligible to have their submissions evaluation provided that:

1. every member of the joint venture is registered with the cidb not later than twenty-one (21) working days from the closing date for tenders;
2. the lead partner has a contractor grading designation in the 7GB or Higher of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status.
3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than the required contractor grading designation.

A site inspection and briefing meeting with representatives of the Employer will be as follows:

Date - As per the tender advertisement Time
- As per the tender advertisement Venue -
As per the tender advertisement

- There will be compulsory site briefing session. Tenderers / Bidders must sign attendance in the name of tendering entity.
- Tenderers / bidders will be considered for evaluation only from those tendering entities appearing on the attendance list.
- Tenderers / bidders must be registered with CIDB and should have CIDB grading as indicated above.
- Where applicable Addenda will be issued to tenderers/bidders appearing on the attendance register.
- Tenders must be registered with Central Supplier Database (CSD) and be compliant on tax.

The closing time for receipt of tenders is as advertised in the tender document
Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

Tenders must only be submitted on the tender documentation that is issued.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data. Note that the client is not obliged to accept the lowest or any of the tenders.

**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

**THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER
IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND
NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH
AN OPTION TO EXTEND)**

T.1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement (see www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data.

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The additional conditions of tender are:

Clause number Tender Data for PROJECT NUMBER – PWRT/2615/26/MP

- T.1.1 The employer is the **Department of Public Works, Roads and Transport, Mpumalanga Provincial Government.**
- T.1.2 The tender documents issued by the employer comprises:
- T1.1 Tender notice and invitation to tender
 - T1.2 Tender data
 - T2.1 List of returnable documents
 - T2.2 Returnable schedules
 - Part 1: Agreements and contract data**
 - C1.1 Form of offer and acceptance
 - C1.2 Contract data
 - C1.3 Form of Guarantee
 - C1.4 Adjudicator's appointment
 - Part C 2: Pricing data**
 - C2.1 Pricing Assumptions
 - C2.2 Activity Schedule / Bills of Quantities / Schedule of Rates
 - Part C 3: Scope of work**
 - C3 Scope of work
 - Part C 4: Site information**
 - C4 Site information

Contract
Part C1: Returnable documents

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C2.1
Submission Schedules

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

F.2.1 *The following tenderers who are registered with the cidb, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated:*

- c) Contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for a 7GB or Higher of construction; and*
- d) Contractors registered as potentially emerging enterprises with the cidb who are registered in one contractor grading designation lower than that required in terms of a) above*
Joint ventures are eligible to submit tenders provided that:

- 1. every member of the joint venture is registered with the CIDB;*
- 2. the lead partner has a contractor grading designation in the 7GB or Higher only class of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status.*
- 3. The combined contractor grading designation 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 tendered for a 7GB or Higher or high(class of construction work or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.*

F.2.7 A compulsory site inspection with representatives of the Employer as advertised

F.2.12 No alternative tender offers will be considered

F.2.13.3 Parts of each tender offer communicated on paper shall be submitted as one original (i.e. no copies should be submitted).

F.2.13.5 F2.15.1

The employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:

Documents can be submitted to the physical address below

MBOMBELA

Riverside Government Complex
Building No 9, Government Boulevard, Mbombela, 1200
Telephone number: Mr. VS Ngobe (013) 766 6339 or Mr. FH Mkhondo (013) 766 6394 or Mr. J Sithole (013) 766 8258 or Ms. TL Khathide (013) 766 8259

MALELANE

The Provincial Treasury
24 air Street
Malelane
Contact Person: Mr. G Sibiya : 079 695 1567 (number to be used during office hours only)
Fax No. : (013) 790 0514

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Old Parliament Building, Building No.1, Job Skhosana Street, Siyabuswa, 0472
Contact Person: Mr. Andries Mahlangu or Jim Maserumule or Thabiso Molekwa
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ELUKWATINI

Elukwatini Sub Regional offices
Office numbers A49 and A50 (opposite Elukwatini Community Hall) Stand number 12
Extension A, Elukwatini, 1190. Contact Person: Ms. P Nkosi: Telephone No: 017 883 1396/7

PIET RETIEF

No. 11 Measroch Street, Piet Retief Office
Contact Person: Mr. Alex Shongwe: Telephone number: (017) 826 1671

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Contact Person: Ms. Martha Mahlangu or Ms. TV Manana or Ms. MJ Mavimbela or Mr M Mlombo
Telephone Number: (013) 766 1796 or 1794 or 1790 or 1795 or 1797

Identification details:

Project Nr: PWRT/2614/26/MP

Title: the general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – Grade 7GB or Higher (with an option to extend)

Closing date: As detailed in the tender advertisement

Closing time: As detailed in the tender advertisement

Postal address: Private Bag X 11310, Nelspruit. 1200

- F.2.13 A two-envelope procedure will not be followed.
- F.2.15 The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
- F.2.15 Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
- F.2.16 The tender offer validity period is 90 days.
- F.2.18 The tenderer is to submit the priced schedule of rates and return the priced schedule with the tender.
- F.2.23 The tenderer is required to submit with his tender a Certificate of Contractor Registration issued by the Construction Industry Development Board and a **copy valid** Tax Clearance Certificate issued by the South African Revenue Services and PIN.
Where a tenderer tenders through joint venture formation, such tenderers should include a legal joint venture agreement duly signed by each partner. Both parties must submit CIDB certificates.

SUBJECT: THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

1. PURPOSE

To obtain approval for the above mentioned specification.

2. BACKGROUND

The Department of Public Works, Roads and Transport (DPWRT) serves as the implementing agent for the planning, design, construction, rehabilitation, and maintenance of provincial infrastructure on behalf of client departments such as Education, Health, Culture, Sports and Recreation, Social Development and other department upon request.

In recent financial years, the Department has experienced increased demand for maintenance and refurbishment of public infrastructure due to ageing facilities, storm damage, and expansion of service delivery programmes. While traditional project-by-project procurement ensures diligence and compliance, its time-intensive nature can limit rapid response to urgent infrastructure needs, particularly in education and health facilities where timely delivery is essential.

To enhance delivery efficiency and responsiveness, the Department intends to establish a panel of pre-qualified contractors registered with the Construction Industry Development Board (CIDB) for a period of three (3) years with the option to extend. This panel mechanism will support quicker project initiation, improved turnaround times, and cost-effective implementation through standardised procurement processes and rotational allocation of work, in line with Treasury Regulation 16A6.3 and CIDB Regulations.

This initiative also seeks to advance economic transformation and inclusive participation by creating equitable opportunities for women-owned, youth-owned, and military veteran-owned enterprises, in line with the Preferential Procurement Policy Framework Act (PPPFA) and its 2022 Regulations. These groups will be prioritised for allocation of work opportunities, mentorship, and capacity development through fair and transparent mechanisms.

The approach is consistent with the Infrastructure Delivery Management System (IDMS) framework, which promotes proactive planning and efficient execution of maintenance and refurbishment projects. It also aligns with government's objectives to accelerate infrastructure delivery, empower designated groups, and create employment opportunities within local communities.

Furthermore, the establishment of this panel supports the Department's commitment to good governance, transformation, and value for money by reducing repetitive tendering, ensuring equitable access to opportunities, and enhancing oversight of contractor performance through structured performance reviews, compliance monitoring, and transformation tracking mechanisms.

Project details are as follows:

PROJECT DESCRIPTION

GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

3. LOCATION

Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District Municipality.

CIDB GRADING

7GB or higher

SITE INSPECTION & BRIEFING SESSION

Site inspection and briefing meeting is as detailed in the tender advertisement.

- There will be a compulsory site briefing session. Tenderers /Bidders must sign attendance in the name of tendering entity.
- Tenderers/bidders will be considered for evaluation only from those tendering entities appearing on the attendance list.

PROJECT TIMELINES

Project will be for a period of three (03) years.

3. GENERAL CONDITION OF CONTRACT

This bid and all contracts will be subject to the General Conditions of Contract (2010) issued by the National Treasury.

4. COMPULSORY RETURNABLE DOCUMENTS

Where any of the compulsory returnable schedules makes a provision for signature, the said schedule must be fully completed and signed. Failure to comply will automatically result in disqualification of the bidders/ Tenderers

- Compulsory Supplier Questionnaire (In case of a JV bidders are required to complete questionnaire separately).
- Certificate of Authority for Signature.
- Fully completed and signed Form of Offer.

Tender
Part T1.1: Tendering procedures

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T1.1

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

- Record of Addenda to Tender Documents (where applicable).
- Legal Joint Venture Agreement (in case of a JV).
- In a bid where Consortia / Joint Venture are involved, each party must submit copy of business registration certificate and certified copies of identity document of each partner as well as JV agreement.
- Copy of COIDA (Compensation for Occupational Injuries and Diseases) registration certificate, e.g. Letter of Good Standing issued by Department of Labour.
- Copy of company registration documents from CIPRO.
- Certified Copies of Identity documents of Owners / Directors / Members / Shareholders.
- Fully completed and signed Standard Bidding Documents (SBD 1, SBD 4, SBD 6.1, SBD 6.2 and Annexure C).
- Fully completed original tender document.
- Fully completed Bill of Quantities / Pricing schedule.
- Prove of registration National Treasury Central Supplier Database (CSD).
- Selection and indication of the applicable region for which the bidder is bidding for in the form of offer

Note:

- As mandated by DTI and the South African Bureau of Standards (SABS) only locally, produced goods or locally manufactured goods meeting the minimum stipulated threshold for local production and content will be considered. (See **designated industries, sectors and sub-sectors found under www.thedtic.gov.za**).

5. SPECIAL CONDITION OF CONTRACT

The Special Condition of Contract are supplementary to the General Condition of Contract.

- Bidder shall ensure that bid documents are completed in its entity.
- Alternative offers will not be accepted.
- Bid document must be completed in black ink and signed by authorized signatory.
- Electronic bid documents will not be accepted.
- Persons who signs any alteration must be the same authorized signatory as clause 8.5.
- The use of erasable pen or fluid is prohibited.

6. RESERVATION OF RIGHTS

The Department reserves a right to:

- Verify information and documentation of the respective bidders (s).
- Reject or accept any of the proposals submitted and reserves a right to call for Best and Final Offers from short listed bidders before final selection.
- Call interviews with shortlisted bidders before final selection.
- Negotiate price with the bidder.
- Appoint more than one service provider.
- Not to appoint any bidder whose name appears on the National Treasury Database of Restricted Suppliers will not be considered.

7. TECHNICAL SPECIFICATION

Overview of the works

The work overview comprises of but are not limited to,

- New construction (replacement, additions and upgrades up to the value of R10 Million in line the CIDB Grade requirements)
- Renovations, refurbishment and repairs,
- Maintenance,
- Installations and,
- Related general building works.

The work overview comprises of include, but are not limited to, new construction, replacement, renovation refurbishment, repairs, maintenance, installations and related general building works on Education, Health, and oth. government-owned facilities including offices, schools, clinics, hospitals and staff housing. Contractors will execute work in accordance with project-specific specifications, drawings, and standards issued by the Department, guided by SANS 2001, SANS 10400, the Occupational Health and Safety Act (Act 85 of 1993), and the CIDB Code of Conduct.

Extent of the works

The scope encompasses the execution of new construction, replacement of existing infrastructure, renovations, refurbishments, remedial works, preventative and corrective maintenance, installations, and associated general building works across government-owned facilities. This includes, but is not limited to, educational institutions, health facilities, administrative buildings, staff accommodation, offices, schools, clinics, and hospitals.

8. EVALUATION CRITERIA

EVALUATION METHODOLOGY

The Bid Evaluation Committee (BEC) on the following basis shall conduct the evaluation:

Functionality	100
----------------------	------------

Points for Price and Specific Goals

Price	90
Specific Goals	10

Functionality

The technical overview of the works ranges from simple to complex as it may include new, replacement, upgrading, refurbishment, repair, renovating, general maintenance, improvement and development of various facilities and other immovable government assets, as well as related services in accordance with the specifications that will be provided to the contractor.

The evaluation process will follow a three-stage methodology in accordance with the Preferential Procurement Policy Framework Act (PPPFA, 2000) and its 2022 Regulations.

Stage 1 – Administrative Compliance

Verification of all mandatory documentation set out in clause 4 of the approved specification. Non-compliance will result in automatic disqualification.

Stage 2 – Functionality Evaluation

The following returnable documents are required for tender evaluation purposes. Tenders will not be disqualified for failure submit or complete these returnable documents. However, it will affect the scoring of points during evaluation:

- Appointment letters, practical / final completion certificate and signed reference letters on the completed projects.
- CV's and qualification of all key personnel to this project indicating their experience.
- Certified copies (not older than 3 months) of all qualifications

NB: Failure of the bidder to attach any of the below-mentioned supporting documents will result in zero points during the evaluation process.

Only Bidders, who score **75 points** or more for Functionality, will qualify for further evaluation for PRICE and PREFERENCE, **provided that they meet at least 50% of each of the points allocated for Company Experience, Key Personnel Experience and Key Personnel qualifications in built environment as a pre-requisite.**

The BEC members shall individually evaluate the responses received and /or presentations made against the following criteria. The applicable points to be applied to functionality evaluation are as follows: A maximum of 2 projects with the highest values will be evaluated.

Functionality will include the following:

- Company Experience in Major Building Construction Works **(40 points)**
- Key Personnel Experience **(25 points)**
- Key Personnel Qualifications **(20 points)**
- Operational Responsiveness **(15 points)**

Functionality is evaluated out of 100 points, and the points are allocated for each Criteria listed above. The evaluation of Functionality and allocation of points for Functionality is explained further below:

Functionality criteria	Sub criteria	Maximum number of points
Company Experience in Major	Experience on Similar Scale Projects: Tenderers shall demonstrate proven experience in the general building works. such experience will include new	40

Building Construction Works	<p>construction/additions, replacements, maintenance, renovations, refurbishments, repairs, installations and other related works.</p> <p>Such experience includes building projects involving multistory building types, integrated building services, and functional facilities such as schools, clinics, hospitals, offices, libraries or similar public or institutional buildings.</p> <p>Experience limited to repetitive low-complexity residential housing developments, including mass RDP housing projects, will not on its own be regarded as meeting the requirement for similar scale and scope, as such projects do not demonstrate the level of technical complexity, coordination, and facility integration required for this contract.</p> <p>This requirement is in line with the principles of fairness, competitiveness, transparency and cost-effectiveness as well as the need to ensure contractor capability appropriate to project risk and complexity, as contemplated by the Construction Industry Development Board and procurement prescripts issued by the National Treasury of South Africa. 40 Points for Company Experience Will be allocated on a pro-rata basis for experience in Building construction works calculated for a maximum of two projects of the highest value executed. Each project shall be allocated point as indicated below:</p>									
<table border="1"> <thead> <tr> <th>Building Construction Works -RELEVANT COMPANY EXPERIENCE General Building Works – 7GB (ONLY 2 PROJECTS WITH HIGHEST VALUE WILL BE EVALUATED)</th> <th>POINTS</th> </tr> </thead> <tbody> <tr> <td>Above 30 million up to 50 million</td> <td>20</td> </tr> <tr> <td>20 million up to 30 million</td> <td>15</td> </tr> <tr> <td>Less than 20 million</td> <td>5</td> </tr> </tbody> </table>		Building Construction Works -RELEVANT COMPANY EXPERIENCE General Building Works – 7GB (ONLY 2 PROJECTS WITH HIGHEST VALUE WILL BE EVALUATED)	POINTS	Above 30 million up to 50 million	20	20 million up to 30 million	15	Less than 20 million	5	
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Above 100 million	20																	
60 million up to 100 million	15																	
Less than 60 million	5																	
<p>Key Personnel: Experience in Building Construction</p>	<p>a) Contracts Manager on permanent basis with 10 or more years' experience in major Building construction as a contracts manager (registered with SACPCMP as Pr CM, Pr CPM or with relevant council in the built environment: ECSA in Civil Engineering as Pr Eng or Pr Tech Eng), PrQS, Pr Architrct. 10 points allocated. The bidder must have in its employment one contracts manager with a minimum of 5 years' experience in contracts management in major Building construction. Points will be allocated on a pro-rata basis for experience between 10 and 20 or more years, as indicated below:</p> <table border="1"> <thead> <tr> <th>YEARS RELEVANT EXPERIENCE EQUAL TO OR MORE THAN ... YEARS</th> <th>POINTS</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>5</td> </tr> <tr> <td>15</td> <td>7</td> </tr> <tr> <td>20 and more</td> <td>10</td> </tr> </tbody> </table> <p>b) Site Agent on permanent basis with 10 or more years' experience in major Building construction as a Site Agent, 5 points allocated. A minimum of 5 years' experience in major Building construction as a Site Agent is required. Points will be allocated on a pro-rata basis for experience between 10 and 15 or more years, as indicated below:</p> <table border="1"> <thead> <tr> <th>YEARS RELEVANT EXPERIENCE EQUAL TO OR MORE THAN ... YEARS</th> <th>POINTS</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>5</td> </tr> <tr> <td>15</td> <td>7</td> </tr> <tr> <td>20 and more</td> <td>10</td> </tr> </tbody> </table>	YEARS RELEVANT EXPERIENCE EQUAL TO OR MORE THAN ... YEARS	POINTS	10	5	15	7	20 and more	10	YEARS RELEVANT EXPERIENCE EQUAL TO OR MORE THAN ... YEARS	POINTS	10	5	15	7	20 and more	10	<p>25</p>
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10	5																	
15	7																	
20 and more	10																	

10	3
13	4
15 and more	5

c) **Safety Officer:** on permanent basis with relevant experience of 5 or more years. 5 points will be allocated on a pro-rata basis for relevant experience between 5 and 10 years on major Building construction projects, as indicated below:

YEARS RELEVANT EXPERIENCE EQUAL TO OR MORE THAN ... YEARS	POINTS
5	3
7	4
10	5

d) **General Foreman:** General Foreman on permanent basis with 5 or more years' experience, in general building maintenance and general building construction as general foreman. A minimum of 3 years' experience in general building maintenance and building construction respectively as a General Foremen is required. Points will be allocated on a pro-rata basis for experience between 5 and 10 or more years, as indicated below:

EXPERIENCE OF GENERAL FOREMAN IN MAJOR BUILDING WORKS EQUAL TO OR MORE THAN ... YEARS	POINTS
5	3
7	4
10	5

Key Personnel: Qualifications in the Built Environment	a) Constructions Manager: points will be allocated for bidder with a suitably qualified and professionally registered in the Built Environment (registered with SACPCMP as Pr CM, Pr CPM or with ECSA as Pr Eng or Pr Tech Eng) Points will be allocated on a pro-rata basis between 5 and 10 points as indicated below:	20
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QUALIFICATIONS IN THE BUILT ENVIRONMENT		POINTS
National Diploma		5
BSc, B Eng or BTech		10
<p>b) Site Agent: on a permanent basis: Maximum points will be allocated for a bidder with a suitably qualified site agent in the built environment. Points will be allocated on a pro-rata basis between 3 and 5 points as indicated below:</p>		
QUALIFICATIONS IN THE BUILT ENVIRONMENT		POINTS
National Diploma		3
BSc, B Eng or BTech		4
BSc, B Eng or BTech with Pr. Registration with the relevant council		5
<p>c) Safety Officer: on a permanent basis: Maximum points will be allocated for a bidder with a suitably qualified Safety Officer professionally registered with SACPCMP. Points will be allocated on a pro-rata basis between 3 and 5 points as indicated below:</p>		
QUALIFICATIONS IN THE BUILT ENVIRONMENT		POINTS
Diploma in Safety Management		3
Diploma in Safety Management with SACPCMP registration/ SAIOSH registration		5
<p>Note: Certified Proof of qualifications, professional registration and experience of key personnel must be provided by attaching copies of certificates and CVs, detailing relevant experience and years of experience.</p> <ul style="list-style-type: none"> o Full points will be given to personnel in permanent employment, half points for personnel contracted from outside; proof of agreement should be submitted for a personnel contracted from outside the entity. o Attach SAQA verification for all foreign qualification. 		
Operational Responsiveness	Submission on 1 of the below plans -5 Submission of 2 of the below plans -10 Submission of all 3 plans – 15	15

	<ul style="list-style-type: none"> • Response plan - Appointment letter, site handover certificate, practical / final completion and signed or stamped reference letters • Safety Plan • Quality Management System 	
	TOTAL	100

9. PRICE

Only qualifying bids shall be evaluated further in terms of the 90/10 preference points system, 90 points will be only for the price. A maximum of 90 points is allocated for price on the following basis:

90/10

$$P_s = 90 \times \frac{P_t - P_{min}}{P_t - P_{min}}$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{min} = Comparative price of lowest acceptable bid

9.1 SPECIFIC GOALS

A maximum of 10 points shall be awarded to a bidder(s) in respect of Specific goals as contemplated in the Preferential Procurement Policy Framework Act 2000 (PPPFA) Preferential Regulations 2022, Regulations were gazetted on 4 November 2022 (No. 47552) Vol 689 and effective from 16 January 2023. This bid will be evaluated as per the above mentioned regulations. Bidders are required to submit evidence by which Preference points can be claimed based on the Specific goals determined by the Department. In case of a Joint Venture, the average score of the joint companies will be considered for determining preference point score.

Specific goals	Maximum Preference Points Allocated
Enterprises/ companies owned by people without franchise in the national elections prior to 1994 (Africans, Indians and Coloured)	5

Women	2
Youth	2
Persons with Disabilities	1
TOTAL	10 Points

1. PERFORMANCE GUARANTEE REQUIREMENT

The Mpumalanga Provincial Government has resolved to waive the requirement for a Performance Guarantee for all Projects / Contracts for monetary values ranging from R0.1 up to R5.0 million.

2. This project/contract value exceeds R9.01 million which will require front payment of a Performance Guarantee of 10% from the contractor to the client, or 10% of the contract value will be retained until project reaches Practical Completion which 5% will be released at Practical Completion.

3. RETENTION

The Mpumalanga Provincial Government has further resolved that the deduction of retention monies from progress payment should remain in place as a security against any defaulters or in lieu of poor workmanship:

3.1 BUILDING CONTRACTS IN GENERAL

10% Retention shall be deducted on any progress payment certificate, until the total deducted retention value equal 5% of total contract/project value. The money shall be released at the expiry date of the retention period, which is normally a three-month period.

Annex: Standard Conditions of Tender

STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS

1. Scope

This standard establishes requirements for engineering and construction works contracts aimed at bringing about standardization and uniformity in construction contracts documentation, practices and procedures.

2. Normative references

The following referenced documents are for the application of this standard.

For undated references, the latest edition of the referenced document (including any amendments) applies.

- 2.1 JBCC Series 2000 Principal Building Agreement as published by the Joint Building Contracts Committee.
- 2.2 Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 (as amended).
- 2.3 South African Bureau of Standards, SANS 10845-1, Construction Procurement – Part 1: Processes, methods and procedures.
- 2.4 South African Bureau of Standards, SANS 10845-2, Construction Procurement – Part 2: Formatting and compilation of procurement documentation.
- 2.5 South African Bureau of Standards, SANS 10845-3, Construction procurement – Part 3: Standard conditions of tender.
- 2.6 South African Bureau of Standards, SANS 10845-4, Construction procurement – Part 4: Standard conditions for the calling for expressions of interest

3. Definitions

For purposes of the standard, the following definitions apply:

- 3.1 **black people** means Africans, Coloured and Indians -
- (a) who are citizens of the Republic of South Africa by birth or descent;
or
 - (b) who became citizens of the Republic of South Africa by naturalisation
 - (i) before 27 April 1994; or
 - (ii) on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalisation prior to that date.

- 3.2 **capability** means the abilities necessary to perform at the required level;
- 3.2 **capacity** means the resources (human capital, financial, physical assets, systems, procedures) which a tenderer puts at the disposal of the project to select, fund and execute the work;
- 3.3 **conflict of interest** means any situation in which someone in a position of trust has competing professional or personal interests which make it difficult for him to fulfill his duties impartially, an individual or the tenderer is in a position to exploit a professional or official capacity in some way for his personal or for corporate benefit, or incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee;
- 3.4 **contracting strategy** means strategy that defines the nature of the relationship which the employer wishes to foster with the contractor, which in turn determines the risks and responsibilities between the parties to the contract and the methodology by which the contractor is to be paid;
- 3.5 **contract data** means document that identifies the applicable conditions of a contract and states the associated contract-specific data,
- 3.6 **design and build** means contract in which a contractor designs a project based on a brief provided by the employer and constructs it;
- 3.7 **development and construct** means contract based on a scheme design prepared by the employer under which a contractor produces drawings and constructs it;
- 3.8 **design by employer** means contract under which a contractor undertakes only construction based on full designs issued by the employer;
- 3.9 **employer** means an organ of state entering into a contract with a contractor for the provision of engineering and construction works;
- 3.10 **expression of interest** means a request for respondents to register their interest in undertaking a specific contract or to participate in a project or programme and to submit their credentials, so they may, in terms of the employer's procurement procedures, be invited to submit a tender offer should they qualify or be selected to do so;
- 3.11 **financial offer** means the cost of the procurement in monetary terms;
- 3.12 **form of offer and acceptance** means the document that formalize the legal process of offer and acceptance;

- 3.13 **functionality** means the ability of a tenderer to provide engineering and construction works in accordance with specifications as set out in the tender documents;
- 3.14 **invitation to tender** means formal invitation to qualified tenderers to make a written offer for construction works;
- 3.15 **list of returnable documents** means document that lists everything the employer requires a tenderer to include with the tender submission;
- 3.16 **management contractor** means contract under which a contractor provides consultation during the design stage and is responsible for planning and managing all post contract activities for contractors and the performance of the whole contract;
- 3.17 **notice and invitation to submit an expression of interest** means the document that alerts respondents to submit their credentials in order to be admitted to an electronic database or to be invited to submit tenders should they satisfy the stated criteria;
- 3.18 **potentially emerging enterprise** means an enterprise which is least 50 percent owned, managed and controlled by black people;
- 3.19 **preference** means points awarded for Broad-Based Black Economic Empowerment (B-BBEE) status level of contribution;
- 3.20 **pricing assumptions** means the document that provides the criteria and assumptions which are assumed in the contract and which the tenderer has taken into account when developing his prices, or target in the case of target cost contracts;
- 3.21 **quality** means totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs;
- 3.22 **scope of work** means the documentation that specifies and describes the engineering and construction works which are to be provided and any other requirements and constraints relating to the manner in which the contract work is to be performed;
- 3.23 **services contract** means the contract for the provision of labour or work, including knowledge-based expertise, carried out by hand, or with the assistance of equipment and plant;

- 3.24 **site information** means the document that describes the site as at the time of tender, to enable the tenderer to price tender and to decide upon the method of working and programming;
- 3.25 **submission data** means document that establishes the respondent's obligations in responding to a call for an expression of interest and the employer's undertakings in administering the process of calling for and receiving expressions of interest;
- 3.26 **term contract** means a contract that enables the employer to order work during a prescribed period at agreed rate;
- 3.27 **tender data** means the document that establishes the tenderer's obligations in submitting a tender and the employer's undertakings in administering the tender process and evaluating tender offer;
- 3.28 **tenderer** means a cidb registered sole proprietor, partnership or trust who establishes a company or close corporation in terms of the Companies Act, 1973 or the Close Corporations Act, 1984; submitting a tender offer;
- 3.29 **tender notice** means a formal communication to tenderers to submit competitive tenders;
- 3.30 **tender offer** means a written offer to carry out engineering and construction works under given conditions, usually at a stated price, and which is capable of acceptance and conversion into a binding contract;
- 3.31 **threshold** means a monetary value of a procurement contract established in any legislation governing procurement or by the executive of an institution, below which a procedure must be used.

4. Requirements

4.1 General

Procurement of construction works shall be undertaken in accordance with:

- a) The provisions of legislation regulating procurement;
- b) The cidb Code of Conduct for all parties engaged in Construction Procurement published in terms of section 5(4) of the Construction Industry Development Board Act.

4.2 Solicitation of tender offers

4.2.1 General

- 4.2.1.1 Tender offers shall be solicited using one of the Standard Procurement Procedures and Tender Evaluation Methods described in Table 1.
- 4.2.1.2 As a general rule, engineering and construction works contract shall be solicited using Standard Methods of procuring different categories of engineering and construction works contracts in accordance with the provisions of Table 2.
- 4.2.1.3 The scope of work, terms and conditions and prices that are negotiated in the negotiation procedure, the proposal procedure using the two-stage system or the competitive negotiation procedure shall be in the best interest of the employer.

- 4.2.1.4 Minutes of such negotiations and the reasons for pursuing such procedures shall be kept for record and audit purposes.
- 4.2.1.5 Subject to section 23(2) of the Construction Industry Development Board Act, 38 of 2000, all tender offers above the prescribed tender value published by the Minister shall include a condition that such contracts comply with the cidb best practice standards, published in terms of project assessment scheme.

4.2.2 Activities associated with the solicitation of tender offers

- 4.2.2.1 Preparation of procurement documents
 - a) Procurement documents for engineering and construction works contract shall in general:
 - i) Require tenderers to submit particulars sufficient for the employer to evaluate their tenders and to assess their status, capabilities and capacities to perform the contract;
 - ii) Set out, in a clear and unambiguous manner, the criteria by which tenders are to be evaluated;
 - iii) Define the risks, liabilities and contractual obligations of the parties to the contract;
 - iv) Define the nature and quality of construction works to be provided in the performance of the contract

Table 1: Standard Procurement Procedures and Tender Evaluation Methods

Procedure		Description	
PP1	Negotiation procedure	A tender offer is solicited from a single tenderer.	
PP2	Competitive selection procedure	Any procurement procedure in which the contract is normally awarded to the contractor who submits the lowest financial offer or obtains the highest number of tender evaluation points.	
	PP2A	Nominated procedure	Tenderers that satisfy prescribed criteria are accepted to an electronic data base. Tenderers are invited to submit tender offers based on search criteria and their position on the data base. Tenderers are repositioned on the data base upon appointment or upon the submission of a tender offer.
	PP2B	Open procedure	Tenderers must submit tenderer offers in response to an advertisement by the employer to do so.
	PP2C	Qualified procedure	A call for expressions of interest is advertised and thereafter only those tenderers who have expressed interest, satisfy objective criteria and who are selected to submit tender offers, are invited to do so.
	PP2D	Quotation procedure	Tender offers are solicited from not less than three tenderers in any manner the employer chooses, subject to the procedures being fair, equitable, transparent, competitive and cost-effective.
	PP2E	Proposal procedure using the two-envelope system	Tenderers submit technical and financial proposals in two envelopes. The financial proposal is only opened should the technical proposal be found to be acceptable.
	PP2F	Proposal procedure using the two-stage system	Non-financial proposal are called for. Tender offers are than invited from those tenderers that submit acceptable proposals based on revised procurement documents. Alternatively, a contract is negotiated with the tenderer scoring the highest number of evaluation points.
	PP2G	Shopping procedure	Written or verbal offers are solicited in respect of readily available goods obtained from three source. The goods are purchased from the source providing the lowest price once it is confirmed in writing.
PP3	Competitive negotiation procedure	A procurement procedure which reduces the number of tenderers competing for the contract through a series of negotiations until the remaining tenderers are invited to	

		submit final offers.
PP3A	Restricted competitive negotiations	A call for expressions of interest is advertised and thereafter only those tenderers who have expressed interest, satisfy objective criteria and who are selected to submit tender offers, are invited to do so. The employer evaluates the offers and determines who may enter into competitive negotiations.
PP3B	Open competitive negotiations	Tenderers must submit tender offers in response to an advertisement by the employer to do so. The employer evaluates the offers and determines who may enter into competitive negotiations.

Table 2: Standard methods for procuring different categories of engineering and construction works contracts.

Category of contract	Type of contracting strategies	Definitions	Standard Procurement Procedure
Engineering and construction works	Design by employer	Contract under which a contractor undertakes only construction based on full designs issued by the employer	PP2B Open Procedure
	Design and build	Contract in which a contractor designs a project based on a brief provided by the employer and constructs it	PP2E Proposal Procedure using two-stage system. PP2C Qualified Procedure and eligibility criteria framed around the attainment of a minimum functionality score or requirements.
	Develop and construct	Contract based on a scheme design prepared by the employer under which a contractor produces drawings and constructs	PP3A Restricted Competitive Negotiation Procedure
	Management contractor /	Contract under which a contractor provides	PP3B Open Competitive

	Construction Management	consultation during the design stage and is responsible for planning and management all post contract activities for contractors and the performance of the whole contract	Negotiation Procedure
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4.2.2.2 The employer shall apply the Register of Contractors as a requirement to any contracting strategy in Table 2 above for engineering and construction works contract.

4.2.3 Competitive negotiation procedures

4.2.3.1 The competitive negotiation procedures shall be used to negotiate with a number of responsive and qualified tenderers in order to arrive at the most acceptable offer in terms of one of the methods for evaluation tenders.

4.2.3.2 The employer shall negotiate with responsive and qualified tenderers when using the competitive negotiation procedures through one or more rounds of competitive negotiations, based on their rankings or the number of tender evaluation points, until the remaining tenderers are invited to submit final offers. During such negotiations, the employer:

- a) Shall ensure equal treatment of all tenderers and not provide relative to the negotiations in a discriminatory manner which may give some tenders an advantage over others;
- b) May provide for the negotiated procedure to take place in successive stages in order to reduce the number of tenders to be negotiated with, by applying the evaluation criteria disclosed in the procurement documents that are issued to tenderers;
- c) May not reveal to the other participant's solutions proposed or other confidential information communicated by a tenderer participating in the process without that tenderer's agreement;
- d) May request that tender offers be clarified, specified and fine-tuned provided that such clarification, specification, fine-tuning or additional information does not:
 - i) Involve changes to the basic features of the tender process or the tender data; or
 - ii) Alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect on the tender process; and

- e) Shall close the negotiation with tenderers when solutions which are capable of meeting its needs are identified, inform the tenderers accordingly and call for best and final offers.

4.2.3.3 Tenderers shall be informed of the competitive negotiation process and notified of the evaluation criteria and associated weightings in the tender data. The evaluation criteria associated with each successive round of negotiations shall not be varied. Tenderers shall be notified in advance of the weighting attached to each category or subcategory of evaluation criteria whenever another round of offers is called for.

4.4.3 Contract Data

4.4.3.1 The contract data in respect of prime or main contract must reference one of the following standard industry forms of contract unless the publishers of such forms of contract indicate that such a form of contract is not suited for the intended application:

- a) Engineering and Construction Works Contract –
- i) General Conditions of Contract for Construction Works (GCC);
 - ii) Conditions of Contract for Construction, Conditions of Contract for Plant and Design-Build, Conditions of Contract for FIDIC EPC / Turnkey Projects, Conditions of Contract for Design, Build and Operate Projects or Short Form of Contract;
 - iii) JBCC Series 2000 Principal Building Agreement; or
 - iv) NEC3 Engineering and Construction Short Contract or NEC3 Engineering and Construction Contract.

4.4.3.2 The standard industry forms of contract shall be used with minimal project specific variations and additions which do not change their intended usage.

4.4.3.3 Guarantees required in engineering and construction contracts shall not substantially differ from the samples provided by the drafters of the forms of contract listed in paragraph (4.4.3.1a) or the form as provided in the contract. Such guarantees shall in the case of a fixed guarantee not exceed 10% of the contract price or, in the case of a variable guarantee not exceed 12,5%, and shall be stated in the contract data.

4.4.3.3.1 Forms of Guarantees shall, where the parties otherwise agree, include one or more of the following:

- a) Guarantee issued by an insurance company duly registered in terms of the Insurance Act (Long Term Insurance Act No. 52 of 1998 or Short Term Insurance Act No. 53 of 1998) or a bank duly registered in terms of the Banks Act No. 94 of 1990; or

- b) A cash deposit paid in the name of employer; or
- c) A payment reduction against payment certificates; or
- d) Combination of (a) to (c) above.

4.4.3.4 The deduction of retention monies, as stated in the contract data, shall not exceed 10% of any amount due to a contractor. Where guarantees are provided in terms of 4.4.3.3, the total amount of retention monies held shall not exceed 5% of the contract price.

4.4.4 Submission Data

4.4.4.1 The submission Data shall reference the Standard Conditions for the Calling for Expressions of Interest contained in Annex D.

4.4.5 Subcontracting as a condition of tender

If feasible to subcontract for an engineering and construction works contract, an employer must apply subcontracting to advance designated groups in accordance with the provisions of sections 9 and 12 of the Preferential Regulations, 2017 (as amended).

4.4.6 Scope of Work

4.4.6.1 The scope of work shall, wherever possible be:

- a) Described in terms of performance rather than the design or descriptive characteristics, and
- b) Based on national or international standards, where such exist.

4.4.6.2 Requirements in the form of specifications, plans, drawings, designs, testing and test methods, packaging, marking or labelling or conformity certification shall not create trade barriers. Reference to any particular trademark, name, patent, design, type, specific origin or producer shall not be made unless there is no other sufficiently precise or intelligible way of describing the characteristics of the work. Such reference shall be accompanied by the words "or equivalent".

4.5 Applying the cidb register of contractors to public contracts

4.5.1 Subject to regulation 6 read with regulation 25 of the Construction Industry Development Regulations, 2004 (as amended), contractor grading designations shall, where appropriate, be described in all procurement documents by a three-digit alphanumeric where the first character is a number representing the tender value designation and the next two characters are capital letters representing the designation for the class of engineering and construction works

Annexure C Standard Conditions of Tender

C.1 General

C.1.1 Actions

C1.1.1 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.

C1.1.2 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. Tenderers 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 interest which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

C.1.4 Communication and employer's agent

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

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works 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.

C1.6 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, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which effect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to tender 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, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjustment weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1 Option 1

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

C.1.6.3.2 Option 2

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

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

C.2 Tenderer's obligations

C.2.1 Eligibility

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

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirement 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 of 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

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 tenderers 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 (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 currency

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 of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original copy of the tender offer 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 tenderers or substance of the tender offer is sought, offered, or permitted.

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

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the 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, policies, etc.

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 clarification

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

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

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet 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 it to all tenderers 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 tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

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

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

C.3.5 Two-envelope system

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' 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 tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

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

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

C3.8.1 Determine, on opening and before detailed evaluation, whether each tender offer properly received:

- a) meets 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.

C3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

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

C.3.9 Arithmetical errors, omissions and discrepancies

C.3.9.1 Check responsive tenders for discrepancies between amounts in words and amount 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 items 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 a bill 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 to 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 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

C3.14.1 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
- d) 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 tenderers 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 tenderers or might prejudice fair competition between tenderers.

Annex D

Standard Conditions of Tender

Standard Conditions for the calling for Expressions of Interest

D.1 General

D.1.1 Actions

D.1.1.1 The employer and each respondent submitting an expression of interest shall comply with these conditions of calling for expressions of interest. In their dealings with each other, they shall discharge their duties and obligations as set out in D.2 and D.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anti-competitive practices.

D.1.1.2 The employer and the respondent and all their agents and employees involved in the submission 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. Respondents shall declare any potential conflict of interest in their 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.

D.1.1.3 The respondent shall not make a submission without having a firm intention and the capacity to proceed with the next stage of the procurement process..

D.1.2 Supporting Documents

The documents issued by the employer for the purpose of obtaining expressions of interest are listed in the submission data.

D.1.3 Interpretation

D.1.3.1 The submission data and additional requirements contained in the submission schedules that are included in the returnable documents are deemed to be part of these conditions for the calling for expressions of interest.

D.1.3.2 For the purposes of these conditions for calling for expressions of interest, 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 interest which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- b) **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; and
- c) **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;

D.1.4 Communication and employer's agent

Each communication between the employer and a respondent 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 respondent. The name and contact details of the employer's agent are stated in the submission data.

D.2 Respondent's obligations

D.2.1 Eligibility

Submit an expression of interest only if the respondent complies with the criteria stated in the submission data and the respondent, or any of his/her principals, is not under any restriction to do business with the employer.

D.2.2 Cost of submissions

Accept that the employer will not compensate the respondent for any costs incurred in the preparation and delivery of a submission.

D.2.3 Check documents

Check the submission documents on receipt, including pages within them, and notify the employer of any discrepancy or omission.

D.2.4 Acknowledge addenda

Acknowledge receipt of addenda to the submission documents, which the employer may issue, and if necessary, apply for an extension to the closing time stated in the submission data, in order to take the addenda into account.

D.2.5 Clarification meeting

Attend the clarification meeting(s) at which respondents may familiarize themselves with the proposed work, services or supply (and location, etc) and raise questions. Details of the meeting(s) are stated in the submission data.

D.2.6 Seek clarification

Request clarification of the submission documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the submission data.

D.2.7 Making a submission

D.2.7.1 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.

D.2.7.2 Seal the original copy and it shall state on the outside the employer's address and identification details stated in the submission data, as well as the respondent's name and contact address.

D.2.7.3 Accept that the employer shall not assume any responsibility for the misplacement or premature opening of the submission if the outer package is not sealed and marked as stated.

D.2.8 Information and data to be completed in all respects

Accept that submissions, 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.

D.2.9 Closing time

Ensure that the employer receives the submissions at the address specified in the submission data not later than the closing time stated in the submission data. Proof of posting shall not be accepted as proof of delivery. The employer shall not accept submissions submitted by telegraph, telex, facsimile or e-mail, unless stated otherwise in the submission data.

Accept that, if the employer extends the closing time stated in the submission data for any reason, the requirements of these conditions of expressions of interest apply equally to the extended deadline.

D.2.10 Clarification of submission

Provide clarification of a submission in response to a request to do so from the employer during the evaluation of submissions.

D.3 Employer's undertakings

D.3.1 Respond to clarification

Respond to a request for clarification received up to five (5) working days before the submission closing time stated in the submission data and notify all respondents who attended the clarification meetings, if any, of those responses.

D.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the submission documents to each respondent during the period from the date of the calling for expressions of interest until seven (7) working days before the closing time for submissions stated in the Submission Data. If, as a result, a respondent applies for an extension to the closing time stated in the Submission Data, the Employer may grant such extension and, shall then notify it to all respondents.

D.3.3 Late submissions

Unless otherwise stated in the submissions received after the closing time stated in the submission data, unopened, (unless it is necessary to open a submission to obtain a forwarding address), to the respondent concerned.

D.3.4 Opening of submissions

D.3.4.1 Record the name of each respondent whose submission is opened and acknowledge receipt of each submission.

D.3.4.2 Make available the names of the respondents that made submissions prior to the closing time for submissions to all interested persons upon request.

D.3.5 Non-disclosure

Not disclose to respondents, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of submissions until after the evaluation process is complete.

D.3.6 Grounds for rejection and disqualification

Determine whether there has been any effort by a respondent to influence the processing of submissions and instantly disqualify a respondent if it is established that he/she engaged in corrupt or fraudulent practices.

D.3.7 Test for responsiveness

Determine, on opening and before detailed evaluation, whether each submission received:

- a) meets the requirements of these conditions for the calling for expressions of interest;
- b) has all the substantive provisions properly and fully completed and signed, and
- c) is responsive to the other requirements of the call for expressions of interest.

D.3.8 Non-responsive submissions

Reject all non-responsive submissions.

D.3.9 Evaluation of responsive submissions

D.3.9.1 Appoint an evaluation panel of not less than three persons. Evaluate submissions using the evaluation criteria established in the submission data.

D.3.9.2 Notify the respondents of the outcome of the evaluation process within two (2) weeks of the evaluation report being accepted by the employer.

D.3.10 Provide written reasons for actions taken

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

Annex D: Standard Conditions for the calling for Expression of Interest

(As contained in ADDENDUM F of the CIDB Standard for Uniformity in Construction Procurement)

D.1 General

D.1.1 Actions

D.1.1.1 The employer and each respondent submitting an expression of interest shall comply with these conditions for calling for expressions of interest. In their dealings with each other, they shall discharge their duties and obligations as set out in D.2 and D.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all illegal obligation and not engage in anti-competitive practices.

D.1.1.2 The employer and the respondent and all their agents and employees involved in the submission 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 . Respondents shall declare any potential conflict of interest in their 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 rise 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 results.

2)Conflicts 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 affect any decisions taken.

D1.1.3. The respondent shall make sure a submission without having a firm intention and the capacity to proceed with the next stage of the procurement process.

D.1.2 Supporting Documents

The documents issued by the employer for the purpose of obtaining expressions of interest are listed in the submission data.

D.1.3 Interpretation

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

D.1.3.2 For the purposes of these conditions for the calling for expressions of interest, the following definitions apply

- a) **conflict of interest** means any situation in which
 - i. Someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially
 - ii. an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit.
 - iii. Incompatibility or contradictory interest exist between an employee and the tenderer who employs that employee.
- b) **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; and
- c) **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

D.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Writing 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.

D.2 Respondents 's obligations

D.2.1 Eligibility

Submit an expression of interest only if the respondent complies with the criteria stated in the submission data and the respondent, or any of his principals, is not under any restriction to do business with employer.

D.2.2 Cost of Submission

Accept that the employer will not compensate the respondent for any costs incurred in the preparation and delivery of a submission.

D.2.3 Check documents

Check the tender documents on receipt including pages within them, and notify the employer of any discrepancy or omission.

D.2.4 Acknowledge addenda

Acknowledge receipt of addenda to the submission 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.

D.2.5 Clarification meeting

Attend, where required, a clarification meeting at which tenderers 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.

D.2.6 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.

D.2.7 Making a submission

D.2.7.1. 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.

D.2.7.2 Seal the original document of the submission shall state on the outside the employers address and identification details stated in the submission data, as well as the respondent's name and contact address.

D.2.7.3 Accept that the employer shall not assume any responsibility for the misplacement or premature opening of the submission if the outer package is not sealed and marked as stated.

D.2.8 Information and data to be completed in all aspects

Accept that submissions, 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.

D.2.9 Closing time

Ensure that the employer receives the submissions at the address specified in the submission data not later than the closing time stated in the submission data. Proof of posting shall not be accepted as proof of delivery. The employer shall not accept tender offers submitted by telegraph, telex, facsimile or e-mail, unless stated otherwise in the submission data.

Accept that, if the employer extends the closing time stated in the submission data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

D.2.10 Clarification of submission

Provide clarification of a submission in response to a request to do so from the employer during the evaluation of submissions.

D.3 Employer's undertakings

D.3.1 Respond to clarification

Respond to a request for clarification received up to five (5) working days before the submission closing time stated in the Submission Data and notify all respondents who attended the clarification meetings ,if any, of those responses.

D.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the submission documents to each respondent during the period from the date of the expression of interest until seven days before the tender closing time stated in the Submission Data. If, as a result

a respondent applies for an extension to the closing time stated in the Submission Data, the Employer may grant such extension and, will then notify it to all respondents

D.3.3 Late Submissions

Unless otherwise stated in the submission date , return submission received after the closing time stated in the Submission Data, unopened, (unless it is necessary to open a submission to obtain a forwarding address), to the tenderer concerned.

D.3.4 Opening of submissions

D.3.4.1 Record the name of each respondent whose submission is opened and acknowledge receipt of each submission.

D.3.4.2 Make available the names of the respondents that made submissions prior to the closing time for submissions to all interested persons upon request.

D.3.5 Non-disclosure

Not disclose to respondents, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of submissions until after the evaluation process is complete.

D.3.7 Test for responsiveness

Determine, on opening and before detailed evaluation, whether each tender offer properly received:

- a) meets the requirements of these Conditions for the expression of interest,
- b) has all the substantive provisions properly and fully completed and signed and
- c) is responsive to the other requirements of the call for expressions of interest.

D.3.8 Non-responsive submissions

Reject all non-responsive submissions

D.3.9 Evaluation of responsive submissions

D.3.9.1 Appoint an evaluation panel of not less than three persons. Evaluate submissions using the evaluation criteria established in the submission data.

D.3.9.2 Notify the respondents of the outcome of the evaluation process within two (2) weeks of the evaluation report being accepted by the employer.

D.3.10 Provide written reasons for actions taken

Provide upon request written reason to respondent for any action that is taken in applying these conditions, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interest of respondents or might prejudice fair competition between respondents

Record of Addenda to Tender Documents

The undersigned confirm that the following communications received from the employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed		Date	
Name		Position	
Tenderer			

REFERENCE LETTER
EVALUATION SCHEDULE: EXPERIENCE ON PREVIOUS PROJECTS REFERENCES

This letter serves as confirmation that
 has successfully provided construction contracting services for the following project(s) for our
 organisation. We hereby confirm our level of satisfaction with the quality of work completed.

PROJECT NAME:

Client Name:

Contract Description:

Contract Period:

Contract Value:

Start Date:

Completion Date:

PERFORMANCE EVALUATION OF SERVICE PROVIDER BY CLIENT/EMPLOYER

Performance Criteria	1 - Very Poor	2 - Poor	3 - Fair	4 - Good	5 - Very Good
Time Management					
Cost Control					
Quality of Work					
Resource Management					
Overall Competency					

Client Contact Person:

Client Designation:

Telephone:

Company Name:

.....

Client Signature: **Date:**

OFFICE STAMP

COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, a separate enterprise questionnaire in respect of each partner must be completed and submitted.			
Section 1: Name of enterprise:			
Section 2: VAT registration number, if any:			
Section 3: cidb registration number, if any:			
Section 4: CSD number:			
Section 5: Particulars of sole proprietors and partners in partnerships			
Name*	Identity number*	Personal income tax number*	
* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners			
Section 6: Particulars of companies and close corporations			
Company registration number:			
Close corporation number:			
Tax reference number:			
The undersigned, who warrants that he/she is duly authorized to do so on behalf of the enterprise:			
i) authorizes the employer to verify the tenderers tax clearance status from the South African Revenue Services that it is in order;			
ii) confirms that 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 tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;			
iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.			
Signed		Date	
Name		Position	
Enterprise Name			

CERTIFICATE OF AUTHORITY FOR SIGNATORY

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for the relevant category, **and attach their Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents to the page provided at the end of this form.**

(I) COMPANY	(II) CLOSE CORPORATI ON	(III) PARTNERSHI P	(IV) JOINT VENTURE	(V) SOLE PROPRIETOR

(I) CERTIFICATE FOR COMPANY

I,, Id number chairperson of the Board of Directors of hereby confirm that by resolution of the Board (copy attached) taken on 20....., Mr/Ms acting in the capacity of, was authorized to sign all documents in connection with the tender for Contract No and any contract resulting from it, on behalf of the company.

Chairman:

As Witnesses: 1.

2.

Date:

(II) CERTIFICATE FOR CLOSE CORPORATION

We, the undersigned, being the key members in the business trading as hereby authorize Mr/Ms, acting in the capacity of, to sign all documents in connection with the tender for Contract No and any contract resulting from it, on our behalf.

NAME	ADDRESS	SIGNATURE	DATE
.....			
.....			
.....			
.....			

Note: This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.

(III). CERTIFICATE FOR PARTNERSHIP

We, the undersigned, being the key partners in the business trading as,.....
..... hereby authorize Mr/Ms
acting in the capacity of, to sign all documents
in connection with the tender for Contract No and any contract resulting
from it, on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Note: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

(IV) CERTIFICATE FOR JOINT VENTURE

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize

Mr/Ms..... , authorized signatory of the company, .. acting in the capacity

of lead partner, to sign all documents in connection with the tender offer for Contract No .. and any contract

resulting from it, on our behalf. We accept that, as parties to the Joint Venture, we are jointly and severally responsible to the client.

This authorization is evidenced by the attached power of attorney signed by legally authorized signatories of all the partners to the Joint Venture.

NAME OF FIRM	ADDRESS	AUTHORISING SIGNATURE, NAME AND CAPACITY
Lead partner		

Note: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

(V) CERTIFICATE FOR SOLE PROPRIETOR

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

Signature of Sole owner:

As Witnesses:

1.

2.

Date:

SCHEDULE OF PLANT AND EQUIPMENT

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

(a) Details of major equipment owned by me / us and immediately available for this contract.

DESCRIPTION (<i>type, size, capacity etc</i>)	QUANTITY	YEAR OF MANUFACTURE

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 tender is accepted

DESCRIPTION (<i>type, size, capacity etc</i>)	QUANTITY	HOW ACQUIRED	
		HIRE/BUY	SOURCE

Attach additional pages if more space is required

The Tenderer undertakes to bring onto site without additional cost to the Employer any additional plant not listed but which may be necessary to complete the contract within the specified contract period.

Failure to complete this form properly and correctly, will lead to the conclusion that the tenderer does not have the necessary plant and equipment resources at his disposal, which will prejudice his tender.

SIGNATURE: IDENTITY NUMBER:

(of person authorised to sign on behalf of the Tenderer) DATE:.....

EXPERIENCE OF TENDERER

The following is a statement of work of similar nature recently successfully executed by myself / ourselves (at least 3 (three) TRACEABLE references required):

EMPLOYER: CONTACT PERSON AND TELEPHONE NUMBER	CONSULTING ENGINEER: CONTACT PERSON AND TELEPHONE NUMBER	NATURE OF WORK	VALUE OF WORK (inclusive of VAT)	DATE COMPLETED OR EXPECTED TO BE COMPLETED

SIGNATURE:

IDENTITY NUMBER:.....

(of person authorised to sign on behalf of the Tenderer)

DATE:.....

JOINT VENTURE AGREEMENT BETWEEN PARTIES

Attached hereto is my / our duly signed, notarised Joint Venture Agreement. My / our failure to submit the agreement with my / our tender document will lead to the conclusion that the joint venture has not been formally formed and all parties were not involved in the tender process.

Tender
Part T1.1: Tendering procedures

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T1.1

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

**CONTRACTOR'S COPY OF REGISTRATION OF INCORPORATION OR COMPANY
REGISTRATION DOCUMENTS**

Attached hereto is a certified copy of my / our company registration of incorporation or company registration documents. My failure to submit the copy with my / our tender document will lead to the conclusion that I am / we are not registered as claimed.

VALID VAT CERTIFICATE (where applicable)

Attached hereto is my / our certified copy of my / our VAT registration certificate. My / our failure to submit the certificate with my / our tender document will lead to the conclusion that my / our company is not registered for VAT.

TAX CLEARANCE CERTIFICATE

South African Revenue services (SARS) has implemented a new tax compliance status (TCS) system in terms of which a taxpayer is now able to authorise any 3rd party to verify its compliance status in one of two ways: either through the use of electronic access PIN or through the use of tax clearance Certificate obtained from the new TCS system

Bidders are required to provide the following to the department in order to verify their tax compliance status:

Tax reference number.....

Tax clearance certificate & T CC number.....

And PIN.....

.....
SIGNATURE OF THE INCUMBENT IN THE SCHEDULE DATE

.....
INCUMBENT IDENTITY NUMBER

COPY OF COIDA REGISTRATION CERTIFICATE

Attached hereto is my / our certified copy of registration certificate with the Compensation for Occupational Injuries and Diseases, eg letter of good standing. My / our failure to submit the certificate with my / our tender document will lead to the conclusion that my / our company is not registered with COIDA.

CIDB REGISTRATION

Attached hereto is my / our registration number with the Construction Industry Development Board. My / our failure to submit the registration number with my / our tender document will lead to the conclusion that my / our company is not registered with CIDB.

NOTE: The CIDB can be contacted or visited on www.cidb.org.za for more information on registration. Obtain a "Code of Conduct for all parties engaged in construction procurement" for you information.

CONTRACTOR'S HEALTH AND SAFETY DECLARATION

In terms of Clause 4(4) of the OHS Act 1993 Construction Regulations 2003 (referred to as "the Regulations" hereafter), a Contractor may only be appointed to perform construction work if the Employer is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the OHS Act 1993 Construction Regulations 2003.

To that effect a person duly authorized by the tenderer must complete and sign the declaration hereafter in detail.

Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the OHS Act 1993 Construction Regulations 2003.
2. I hereby declare that my company / enterprise has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide a sufficiently documented Health and Safety Plan in accordance with Regulation 5(1) of the Construction Regulations, approved by the Employer or his representative, before I will be allowed to commence with construction work under the contract. I hereby agree that my company/enterprise will not have a claim for compensation for delay or extension of time because of my failure to obtain the necessary approval for the said safety plan.
4. I confirm that copies of my company's approved Health and Safety Plan, the Employer's Safety Specifications as well as the OHS Act 1993 Construction Regulations 2003 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Employer's personnel, the Engineer, visitors, and officials and inspectors of the Department of Labour.
5. I hereby confirm that adequate provision has been made in my tendered rates and prices in the bill of quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the OHS Act 1993 Construction Regulations 2003, including the cost for specific items that may be scheduled in the bill of quantities.

6. I hereby confirm that I will be liable for any penalties that may be applied by the Employer in terms of the said Regulations for failure on my part to comply with the provisions of the Act and the Regulations as set out in Regulation 30 of the Regulations.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the OHSA 1993 Construction Regulations 2003, and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer.
8. I am aware of the fact that, should I be awarded the contract, I must submit the notification required in terms of Regulation 3 of the OHSA 1993 Construction Regulations 2003 (*example attached hereafter*) before I will be allowed to proceed with any work under the contract.

SIGNATURE: IDENTITY NUMBER:

(of person authorised to sign on behalf of the Tenderer)

DATE:.....

**PRO FORMA NOTIFICATION FORM IN TERMS OF THE OCCUPATIONAL HEALTH
AND
SAFETY ACT 1993, CONSTRUCTION REGULATIONS 2003**

[In terms of Regulation 3 of the Construction Regulations 2003, the successful Tenderer must complete and forward this form prior to commencement of work to the office of the Department of Labour.]

1. (a) Name and postal address of Contractor:
- (b) Name of Contractor's contact person:
 Telephone number:
2. Contractor's compensation registration number:
3. (a) Name and postal address of client:
- (b) Name of client's contact person or agent:.....
 Telephone number.....
4. (a) Name and postal address of designer(s) for the project:
- (b) Name of designer's contact person:
 Telephone number.....
5. Name of Contractor's construction supervisor on site appointed in terms of Regulation 6(1):
- Telephone number:
6. Name/s of Contractor's sub-ordinate supervisors on site appointed in terms of regulation 6(2).

7. Exact physical address of the construction site or site office:.....

8. Nature of the construction work:
-
9. Expected commencement date:
10. Expected completion date:
11. Estimated maximum number of persons on the construction site:

12. Planned number of subcontractors on the construction site accountable to Contractor:

13. Name(s) of subcontractors already chosen:
.....

SIGNED BY:

CONTRACTOR:.....
DATE:.....

IDENTITY NUMBER:.....

CLIENT:.....
DATE:.....

..

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

Full Name	Identity Number	Name of institution	State

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.

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:

.....
.....

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.

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.

- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

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

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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	90
SPECIFIC GOALS	10
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:

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

Where

- Ps = Points scored for price of tender under consideration
 Pt = Price of tender under consideration
 Pmin = 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:

$$Ps = 80 \left(1 + \frac{Pt - Pmax}{Pmax} \right) \text{ or } Ps = 90 \left(1 + \frac{Pt - Pmax}{Pmax} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = 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)
Enterprises/ companies owned by people without franchise in the national elections prior to 1994 (Africans, Indians and Coloured)	5			
Women	2			
Youth	2			
Persons with Disabilities	1			

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]

Tender
Part T1.1: Tendering procedures

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T1.1

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

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:

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, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) 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 B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub- contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

x is the imported content in Rand

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

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

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/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>
_____	_____ %
_____	_____ %
_____	_____ %

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 at 12:00 on the date of advertisement of the bid.

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

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

3. 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.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. 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 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 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 4.1 above and the information contained in Declaration D and E.

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

SIGNATURE: _____ **DATE:** _____

WITNESS No. 1 _____ **DATE:** _____

WITNESS No. 2 _____ **DATE:** _____

MPUMALANGA PROVINCIAL GOVERNMENT

The general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – GRADE 7GB OR HIGHER (with an option to extend)

C1.1 Form of Offer and Acceptance

Tick in the box provided to select district tendered for (select one district only, selection of more than one will result in a disqualification of the bid)

EHLANZENI	BOHLABELA	GERT SIBANDE	NKANGALA
-----------	-----------	-----------------	----------

C1.1 Form of Offer and Acceptance

*Note: 1. This form of offer and acceptance is identical to that contained in Annex F of SANS 10845 – 1: Construction Procurement Processes, Procedures and Methods.
2. SAICE's Practice Manual # 1, The use of South African National Standards in Construction Procurement, provides guidance on the formulation of the wording for the actual offer where it is not based on the offered total of prices.*

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of the general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – GRADE 7GB OR HIGHER (with an option to extend)

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

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

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

.....Rand (in words);R
..... (in figures) (or other suitable wording)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature Date

Name Identity number

Capacity

for the tenderer

Tender 95 T1.1
Part T1.1: Tendering procedures

(Name and address of organization)

.....

Name and signature of witness

NOTE: Failure of a tenderer to sign this part of the tender form (offer) will invalidate the tender

Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer'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 tenderer's offer shall form an agreement between the employer and the tenderer 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 tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any 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 fulfill any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within 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 Date

Name Identity number

Capacity

**for the
Employer
Boulevard**

Department of Public Works, Roads and Transport; Building 7, Government
Riverside Park, Nelspruit 1200

Name and
signature
of witness

.....

Date

.....

1 As an alternative the following wording may be used:

Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-courier delivery / counter-to-counter delivery / door-to-counter delivery / door-to-door delivery / courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven working days of the date of such submission notifies the employer in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Schedule of Deviations

Notes:

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

1 Subject

Details

2 Subject

Details

3 Subject

Details

4 Subject

Details

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

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

MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT
THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER
IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA
DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO
EXTEND)

C1.2 Contract Data for Contract number PWRT//2615/26/MP

The Conditions of Contract are the JBCC Series 2000 Principal Building Agreement inclusive of the Contract Data Addenda EC and CE (Edition 5.0 (reprint 1) of July 2007) prepared by the Joint Building Contracts Committee Inc.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057-3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312003;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.

Each item of data given below is cross-referenced to the clause in the JBCC Principal Building Agreement to which it mainly applies.

The additions, deletions and alterations to the JBCC Principal Agreement are:

Clause Additions, deletions and alterations

- 1.1 ADD the following definitions in **DEFINITIONS AND INTERPRETATIONS** with the following wording:
CORRUPT PRACTICE means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution
FRAUDULENT PRACTICE means a mis presentation 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.

INTEREST means the interest rates applicable to 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).

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.

1.6 Any notice given may be delivered by hand, sent by prepaid registered post or email. Notice shall be presumed to have been duly given when:
Delete sub-clause 1.6.4

3.5 Delete sub-clause 3.5

3.6 Delete sub-clause 3.6.

3.7 Add to 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 at all times.

3.9 Delete sub-clause 3.9

3.10 Replace the second reference to "**principal agent**" with the word "**employer**".

4.3 No clause

5.1 Alter to read as follows: the **employer** shall retain its authority and not give a mandate to the **principal agent** and in terms of which the **employer** shall sign all documents.

5.3 Alter To read as follows: The principal Agent shall Not have authority to bind the employer

9 Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights

in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the **contractor**, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

10.5 Add the following as 10.5:

Damage to the works

(a) Without 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 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 expected 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 negligence 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 or to any moveable, or immovable property 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 negligence 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 therefore 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**.

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 which might result in catastrophic ground movement evident by sinkhole or dolomite 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 hold 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, 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 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 construction.

- 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 subsequent 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 Clause 14.0 subclauses with "Security shall be applied as per treasury regulations"
- 15.1.3 Add 15.1.3 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 date of acceptance of the tender.
- 15.2.1 Under 41: Amend to read as follows:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1
- 16.4 Delete clause 16.4
- 20.0 Alter clause 20.0 to read as following: "The principal agent shall assist the employer to "
- 20.1.3 No clause.
- 21 Replace sub-clauses 21.1.2 to 21.1.4 and 21.2 to 21.6 with the following:
The **contractor** and **principal agent** shall appoint a **selected subcontractor** in accordance with the provisions of the Scope of Work.

29 Clause 29.0 is amended by:-

- i) The addition of the following clauses:-

Clause 29.9

“Revision to the date for **practical completion** shall only be considered when work on the critical path of the agreed programme for the works is delayed.”

- ii) Clause 29.10 – Acceleration

Clause 29.10.1

Irrespective of whether or not the **principal agent** rules that the **contractor** is entitled to an extension of time or a revision of the date for **practical completion**, the **principal agent** shall nevertheless, at any time, be entitled to instruct the **contractor** in writing to accelerate the progress of the remaining **works** to ensure that the **works** are completed by the original date for **practical completion** or revised date as the case may be.

Clause 29.10.2

Upon receipt of such instruction, the **contractor** shall take all necessary steps to ensure that the **works** are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The **contractor** shall prove that such steps are being taken if called upon to do so.

Clause 29.10.3

The **contractor's** entitlement to compensation arising out of or in respect of any revision to the date for **practical completion** that may have been granted by the **principal agent** or alternatively where the **principal agent** has instructed the **contractor** to accelerate, shall be adjudicated strictly in terms of clause 32.

31.9 Replace “seven (7) **calendar days**” with “thirty (30) **calendar days**”

- 36.1 Add the following clauses 36.1.3 to 36.1.5 under 36.1 to read as follows:
- 36.1.3 The **contractor's** refusal or neglect to comply strictly with any of the conditions of contract.
- 36.1.4 The **contractor's** estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.

The additions to the JBCC Principal Agreement are:

Clause	Additions
A1	<p>A Labour intensive component of the works</p> <p>1.0</p> <p>A Payment of labour-intensive component of the works.</p> <p>1.1 Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.</p> <p>A Applicable labour laws</p> <p>1.2 The Ministerial Determination, Special Public Works Programme, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice No R63 of 25 January 2002, as reproduced below, shall apply to works described in the Scope of Work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.</p> <p>1 Introduction</p> <p>1.1 This document contains the standard terms and conditions for workers employed in elementary occupations on a Special Public Works Programme (SPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP.</p> <p>1.2 In this document –</p> <p>(a) “department” means any department of the State, implementing agent or contractor;</p>

	<ul style="list-style-type: none"> (b) “employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a SPWP; (c) “worker” means any person working in an elementary occupation on a SPWP; (d) “elementary occupation” means any occupation involving unskilled or semi-skilled work; (e) “management” means any person employed by a department or implementing agency to administer or execute an SPWP; (f) “task” means a fixed quantity of work; (g) “task-based work” means work in which a worker is paid a fixed rate for performing a task; (h) “task-rated worker” means a worker paid on the basis of the number of tasks completed (i) “time-rated worker” means a worker paid on the basis of the length of time worked. <p>2 Terms of Work</p> <p>2.1 Workers on a SPWP are employed on a temporary basis.</p> <p>2.2 A worker may NOT be employed for longer than 24 months in any five-year cycle on a SPWP.</p> <p>2.3 Employment on a SPWP does not qualify as employment as a contributor for the purposes of the Unemployment Insurance Act 30 of 1966.</p> <p>3 Normal Hours of Work</p> <p>3.1 An employer may not set tasks or hours of work that require a worker to work–</p> <ul style="list-style-type: none"> (a) more than forty hours in any week; (b) on more than five days in any week; and (c) for more than eight hours on any day. <p>3.2 An employer and worker may agree that a worker will work four days per week.</p> <p>The worker may then work up to ten hours per day.</p>
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	<p>3.3 A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.</p> <p>4 Meal Breaks</p> <p>4.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.</p> <p>4.2 An employer and worker may agree on longer meal breaks.</p> <p>4.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.</p> <p>4.4 A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.</p> <p>5 Special Conditions for Security Guards</p> <p>5.1 A security guard may work up to 55 hours per week and up to eleven hours per day.</p> <p>5.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.</p> <p>6 Daily Rest Period</p> <p>Every worker is entitled to a daily rest period of at least eight consecutive hours.</p> <p>The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.</p> <p>7 Weekly Rest Period</p> <p>Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").</p> <p>8 Work on Sundays and Public Holidays</p> <p>8.1 A worker may only work on a Sunday or public holiday to perform emergency or security work.</p>
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	<p>8.2 Work on Sundays is paid at the ordinary rate of pay.</p> <p>8.3 A task-rated worker who works on a public holiday must be paid –</p> <ul style="list-style-type: none"> (a) the worker's daily task rate, if the worker works for less than four hours; (b) double the worker's daily task rate, if the worker works for more than four hours. <p>8.4 A time-rated worker who works on a public holiday must be paid –</p> <ul style="list-style-type: none"> (a) the worker's daily rate of pay, if the worker works for less than four hours on the public holiday; (b) double the worker's daily rate of pay, if the worker works for more than four hours on the public holiday <p>9 Sick Leave</p> <p>9.1 Only workers who work four or more days per week have the right to claim sick-pay in terms of this clause.</p> <p>9.2 A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.</p> <p>9.3 A worker may accumulate a maximum of twelve days' sick leave in a year.</p> <p>9.4 Accumulated sick-leave may not be transferred from one contract to another contract.</p> <p>9.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.</p> <p>9.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.</p> <p>9.7 An employer must pay a worker sick pay on the worker's usual payday.</p> <p>9.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –</p> <ul style="list-style-type: none"> (a) absent from work for more than two consecutive days; or (b) absent from work on more than two occasions in any eight-week period.
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	<p>9.9 A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.</p> <p>9.1 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.</p> <p>10 Maternity Leave</p> <p>10.1 A worker may take up to four consecutive months' unpaid maternity leave.</p> <p>10.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.</p> <p>10.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.</p> <p>10.4 A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.</p> <p>10.5 A worker may begin maternity leave –</p> <ul style="list-style-type: none"> (a) four weeks before the expected date of birth; or (b) on an earlier date – <ul style="list-style-type: none"> (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or (ii) if agreed to between employer and worker; or (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health. <p>10.6 A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.</p> <p>10.7 A worker, who returns to work after maternity leave, has the right to start a new cycle of twenty-four months employment, unless the SPWP on which she was employed has ended.</p>
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11 Family responsibility leave

11.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances -

- (a) when the employee's child is born;
- (b) when the employee's child is sick;
- (c) in the event of a death of –
 - (i) the employee's spouse or life partner;
 - (ii) employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

12 Statement of Conditions

12.1 An employer must give a worker a statement containing the following details at the start of employment –

- (a) the employer's name and address and the name of the SPWP;
- (b) the tasks or job that the worker is to perform; and
- (c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract;
- (d) the worker's rate of pay and how this is to be calculated;
- (e) the training that the worker will receive during the SPWP.

12.2 An employer must ensure that these terms are explained in a suitable language

to any employee who is unable to read the statement.

12.3 An employer must supply each worker with a copy of these conditions of employment.

13 Keeping records

13.1 Every employer must keep a written record of at least the following –

- (a) the worker's name and position;
- (b) in the case of a task-rated worker, the number of tasks completed by the worker;
- (c) in the case of a time-rated worker, the time worked by the worker;

	<p>(d) payments made to each worker.</p> <p>13.2 The employer must keep this record for a period of at least three years after the completion of the SPWP.</p> <p>14 Payment</p> <p>14.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.</p> <p>14.2 A task-rated worker will only be paid for tasks that have been completed.</p> <p>14.3 An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.</p> <p>14.4 A time-rated worker will be paid at the end of each month.</p> <p>14.5 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.</p> <p>14.6 Payment in cash or by cheque must take place –</p> <ul style="list-style-type: none"> (a) at the workplace or at a place agreed to by the worker; (b) during the worker's working hours or within fifteen minutes of the start or finish of work; (c) in a sealed envelope which becomes the property of the worker. <p>14.7 An employer must give a worker the following information in writing –</p> <ul style="list-style-type: none"> (a) the period for which payment is made; (b) the numbers of tasks completed or hours worked; (c) the worker's earnings; (d) any money deducted from the payment; (e) the actual amount paid to the worker. <p>14.8 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.</p> <p>14.9 If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.</p>
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	<p>15 Deductions</p> <p>15.1 An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.</p> <p>15.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.</p> <p>15.3 An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.</p> <p>15.4 An employer may not require or allow a worker to –</p> <ul style="list-style-type: none"> (a) repay any payment except an overpayment previously made by the employer by mistake; (b) state that the worker received a greater amount of money than the employer actually paid to the worker; or (c) pay the employer or any other person for having been employed. <p>16 Health and Safety</p> <p>16.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.</p> <p>16.2 A worker must –</p> <ul style="list-style-type: none"> (a) work in a way that does not endanger his/her health and safety or that of any other person; (b) obey any health and safety instruction; (c) obey all health and safety rules of the SPWP; (d) use any personal protective equipment or clothing issued by the employer; (e) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager. <p>17 Compensation for Injuries and Diseases</p> <p>17.1 It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a SPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.</p> <p>17.2 A worker must report any work-related injury or occupational disease to their employer or manager.</p>
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17.3 The employer must report the accident or disease to the Compensation Commissioner.

17.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months.

The employer will be refunded this amount by the Compensation Commissioner.

This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

18 Termination

18.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.

18.2 A worker will not receive severance pay on termination.

18.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

18.4 A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.

A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.

19 Certificate of Service

- (a) the worker's full name;
- (b) the name and address of the employer;
- (c) the SPWP on which the worker worked;
- (d) the work performed by the worker;
- (e) any training received by the worker as part of the SPWP;
- (f) the period for which the worker worked on the SPWP;
- (g) any other information agreed on by the employer and worker.

A2	<p>A2.0 Expanded Public Works Programme</p> <p>A2.1 The Contractor will be required to employ staff which satisfy the EPWP requirements as per the Guidelines for the implementation of labour-intensive infrastructure projects under the EPWP and as stipulated in this Contract.</p>
A3	<p>A3.0 Mandatory Training</p> <p>A3.1 The Contractor will be required to provide training to sub-contractors. An allowance for this has been made in the final summary of the bills of quantities, which will be treated as a budgetary allowance which the Contractor can use for training and which may be deducted in part or in whole from the project should it not be used.</p>

Part 1: Contract Data Completed by the Employer

Clause Item and data

1.2 The Employer is the Department of Public Works, Roads and Transport, Mpumalanga Provincial Government

The address of the Employer is: Rhino Building, Government Boulevard, Riverside Park, Nelspruit 1200

Contact name: Ms. Joyce Madiba/ Mr. Phumudzo Sinugo

Address (postal): Private Bag X11302, Nelspruit, 1200

5.1 The Principal Agent is:

Tender
Part T1.1: Tendering procedures

T1.1

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

- 1.1 The Works comprise of the general building maintenance of Education, Health Facilities and other Immovable Government Assets
- 1.1 The Site comprises (Refer to document C4 – Site Information)
- 1.1 The **Works** or installations to be undertaken by **direct contractors** comprises
22.2 NONE
- 41.0 The Employer is an organ of **State**
- 31.11.2
- 11.2
 - 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.
- 31.4.2
- 26.1.2
 - Lateral support insurance is to be effected by the **contractor**
 - Payment will be made for materials and goods
 - Extended **defects** liability period will apply to the following elements:
NOT APPLICABLE
- 15.2.1 Possession of the **site** is to be given on a date within 24 hours after notification of the contractor to commence work, provided the **employer has been furnished with construction guarantees** in accordance with the provisions of 14.0.
- 15.3 The period for the commencement of the **works** after the **contractor** takes possession of the site is ten (10) **working days**.

If the deadline for possession of site and / or commencement of the works is not complied with, the Employer will assign another contractor to the project without prior notification to the defaulting contractor.

For the **works** as a whole: **Contract Period – 3 YEARS**

The date for **practical completion** is to be agreed prior to possession of the site.

The **penalty** per **calendar day** is 0.05% of the contract value

- 1.2 The law applicable to the agreement shall be that of the Republic of South Africa.
- 10.1; 10.2 Contract insurance is to be effected by the **contractor**.
and 12.1
- 10.1 Contract works insurance is to be effected by the **contractor** for a sum not
10.2 less than the **contract sum** plus 10% with a deductible in an amount that
12.1 the **contractor** deems appropriate.
- 10.1 Supplementary insurance is required. Such insurance shall comprise a
10.2 Coupon Policy for Special Risks issued by the South African Special Risk
12.1 Insurance Association. NOT APPLICABLE
- 11.1 , 12.1 Public liability insurance to be effected by the **contractor** for an amount of
R10,000,000.00 with a deductible in an amount as determined by the
contractor's insurance company.
- 11.2 , 12.1 Support insurance to be effected by the **contractor** for the sum of *NOT
APPLICABLE* with a deductible in an amount that the **contractor** deems
appropriate.
- 3.3, A waiver of the **contractor's** lien or right of continuing possession is not
15.1.3, required.
31.16.2
- 3.7 Three copies of the construction document are to be supplied to the
contractor free of charge.
- 3.4 JBCC Engineering General Conditions are not to be included in the contract
document.
- 31.5.3 The contract value is to be adjusted using the Contract Price Adjustment
Provisions (CPAP) indices published by the Joint Building Contracts
Committee. CPAP after 12 months, the base month being the closing date
of the tender.
- 14.5 The employer will not provide advanced payments against an advanced
payment guarantee.

Part 2: Contract Data completed by the Contractor

Clause Item and data

1.2 The name of the Contractor is.

.....

The address of the contractor is:

Telephone:

Facsimile:

Address (physical):

.....

.....

Address (postal):

.....

.....

Signature

Date

Name

Identity number

**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

**THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER
IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND
NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH
AN OPTION TO EXTEND)**

C1.3 Construction Guarantee

GUARANTOR DETAILS AND DEFINITIONS

Guarantor means

Physical address

Guarantor's signatory 1 Capacity

Guarantor's signatory 1 Capacity

Employer means **The Department of Public Works, Roads and Transport,
Mpumalanga Provincial Government**

Contractor means

Agent means

Works means **PWRT/2615/26/MP** – the general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – Grade 7 or Higher (with an option to extend)

Tender 120 T1.1
Part T1.1: Tendering procedures

PWRT/2615/26/MP: General Building Maintenance for Education, Health Facilities and Other Immovable Government Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

Site means Mpumalanga Province.

Agreement means **The JBCC Series 2000 Principal Agreement**

Contract Sum i.e. the total of prices in the Form of Offer and Acceptance inclusive of VAT

Amount in figures R

Amount in words (Rand)

Guaranteed Sum means the maximum aggregate amount of R

Amount in words(Rand)

1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY	PERIOD OF LIABILITY
Maximum Guaranteed Sum (not exceeding 10 % of the contract sum) in the amount of: (Rands) (R))	From and including the date of issue of this Construction Guarantee and up to and including the date of the only practical completion certificate or the last practical completion certificate where there are sections, upon which this Construction Guarantee shall expire.

2 The Guarantor hereby acknowledges that:

2.1 Any reference in this Guarantee to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.

2.2 Its obligation under this Guarantee is restricted to the payment of money.

3 Subject to the Guarantor's maximum liability referred to in clauses 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in sub-clauses 3.1 to 3.3:

- 3.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an interim or final payment certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of sub-clause 3.2
 - 3.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the first written demand in terms of sub-clause 4.1 and that the sum certified has still not been paid therefore the Employer calls up this Guarantee and demands payment of the sum certified from the Guarantor.
 - 3.3 A copy of the said payment certificate, which entitles the Employer to receive payment in terms of the Agreement of the sum certified in clause 3.
- 4 Subject to the Guarantor's maximum liability referred to in clause 1, the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Guarantee stating that:
- 4.1 The Agreement has been cancelled due to the Contractor's default and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the notice of cancellation; or
 - 4.2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the court order.
- 5 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of clauses 3 and 4 shall not exceed the Guarantor's maximum liability in terms of clause 1.
- 6 Where the Guarantor is a registered insurer and has made payment in terms of clause 4, the Employer shall upon the date of issue of the final payment certificate submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 7 Payment by the Guarantor in terms of clause 3 or 4 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.

- 8 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 from this Guarantee on account of any conduct alleged to be prejudicial to the Guarantor
- 9 The Guarantor chooses the physical address as stated above for all purposes in connection herewith.
- 10 This Guarantee is neither negotiable nor transferable and shall expire in terms of clause 1, or payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired
- 11 This Guarantee, with the required demand notices in terms of clauses 3 or 4, shall be regarded as a liquid document for the purpose of obtaining a court order.
- 12 Where this Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at Date

Guarantor's Signatory 1 Guarantor's Signatory 2

Identity number Identity number

Witness 1 Witness 2

Guarantor's seal or stamp

**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

**THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER
IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND
NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH
AN OPTION TO EXTEND)**

ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:.....
..... (name of company / organisation)
of.....(address)
and
.....(name of company / organisation)
of.....(address)
(the Parties) and.....(name)
of.....(address)
(the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated and known as.
and these disputes or differences shall be/have been* referred to adjudication in accordance with the JBCC 2000 Adjudication Rules, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the JBCC 2000 Adjudication Rules
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the JBCC 2000 Adjudication Rules..
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses as set out in the Contract Data.

- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

<p>SIGNED</p> <p>by: _____</p> <p>Name: _____</p> <p>Id: _____</p> <p>who warrants that he / she is duly authorized to sign for and on behalf of the first Party in the presence of</p>	<p>SIGNED</p> <p>by: _____</p> <p>Name: _____</p> <p>Id: _____</p> <p>who warrants that he / she is duly authorized to sign for and behalf of the second Party in the presence of</p>	<p>SIGNED</p> <p>by: _____</p> <p>Name: _____</p> <p>Id: _____</p> <p>the Adjudicator in the presence of</p>
<p>Witness</p> <p>Name: _____</p> <p>Address: _____</p>	<p>Witness:</p> <p>Name _____</p> <p>Address: _____</p>	<p>Witness:</p> <p>Name: _____</p> <p>Address: _____</p>
<p>Date: _____</p>	<p>Date: _____</p>	<p>Date: _____</p>

Contract Data

1	The Adjudicator shall be paid at the hourly rate of R.....in respect of all time spent upon, or in connection with, the adjudication including time spent traveling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. (c) Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. (e) Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R..... This fee shall become payable in equal amounts by each Party within 14 days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due 7 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.

* Delete as necessary

**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

**TENDER DOCUMENT FOR THE GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI,
BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS
– GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)**

C2.1 Pricing Assumptions

(Provides the criteria and assumptions which it is assumed (in the contract) that the tenderer has taken into account when developing the prices, or target in the case of target and cost-reimbursable contracts).

- 1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
 - b) mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
 - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- 2 The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 5.0 (reprint 1), July 2007. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
- 3 Preliminary and general requirements are based on the various parts of the JBCC Series 2000 Preliminaries as prepared by the Joint Building Contracts Committee, Edition 5.0 (reprint 1), July 2007. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

- 4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 5 The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of total payment and payment for additional work that may have to be carried out.
- 6 The drawings listed in the Scope of Works and used for the setting up of these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.
- 7 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted with the written approval of the Employer's representative.
- 8 The rates contained in the Bills of Quantities will apply irrespective of the final quantities of the different classes and kinds of work actually executed. Note that the quantities in the schedule of rates are nominal quantities. Actual quantities will be measured by the employer's quantity surveyor per specific building when it is identified for general maintenance work.
- 9 Rates for work of similar description occurring in different sections of the Bills of Quantities shall be identical.
- 10 An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. However, this is to be avoided and all items in the bill of quantities / schedule of rates must be priced. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- 11 Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")
- 12 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities

- 13 The Bills of Quantities are not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities is at the Contractor's risk.
- 14 The 'Value Related' amount of the Preliminary and General Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.
- 15 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 14 but taking into account the revised period for completing the works.
- 16 The amount or items of the Preliminary and General Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities / Schedule of Rates:
- a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
- 17 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:
- a) 10 percent is Fixed;
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related.
- 18 The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

- 19 All work is to be constructed using labour-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract
- 20 Payment for items, which are designated to be constructed under labour-intensive methods, will not be made unless they are constructed using labour-intensive methods. Any unauthorized 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.
- 21 The tenderer is to acquaint himself/herself as to the specific requirements of this tender as contained in additional clauses A1 to A2 to the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the tenderer to allow for these requirements

MPUMALANGA PROVINCIAL GOVERNMENT

TENDER DOCUMENT FOR THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

C2.2 Pricing Schedule / Activity Schedule / Bills of Quantities

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER**

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>			
	Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

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		R
Brought Forward		
Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles		
The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles		
<u>PRICING OF PRELIMINARIES</u>		
Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)		
<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>		
1 PRELIMINARIES AT 13.0%	Item	
<u>Definitions</u>		
2 Clause 1.0 - Definitions and interpretation		
F:..... V:..... T:.....	Item	
<u>Objective and preparations</u>		
3 Clause 2.0 - Offer acceptance and performance obligations		
F:..... V:..... T:.....	Item	
4 Clause 3.0 - Documents		
F:..... V:..... T:.....	Item	
5 Clause 4.0 - Design responsibility		
F:..... V:..... T:.....	Item	
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries		
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**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward		R
6	<p>Clause 5.0 - Employer's agents</p> <p>F:..... V:..... T:.....</p>	Item
7	<p>Clause 6.0 - Contractor's site representative</p> <p>F:..... V:..... T:.....</p>	Item
8	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>F:..... V:..... T:.....</p> <p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications</p>	Item
9	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item
10	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item
11	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item
12	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item
13	<p>Clause 12.0 - Effecting insurances</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

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	Brought Forward		R
14	Clause 13.0 - Assignment F:..... V:..... T:.....	Item	
15	Clause 14.0 - Security F:..... V:..... T:.....	Item	
	<u>Execution</u>		
16	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item	
17	Clause 16.0 - Site and access Clause 16.7 - <i>Known services</i> Clause 16.8 - <i>Protection of trees</i> (All trees must be protected and preserved) F:..... V:..... T:.....	Item	
18	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
19	Clause 18.0 - Setting out of the works The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments. F:..... V:..... T:.....	Item	
20	Clause 19.0 - Temporary works and plant Subclause 19.1.1 - <i>Enclosure of the works</i> Subclause 19.1.2 - <i>Office accommodation</i> Clause 19.2 - <i>Notice boards</i> F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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		Brought Forward		R
21	Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....		Item	
22	Clause 21.0 - Selected subcontractors F:..... V:..... T:.....		Item	
23	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....		Item	
24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:.....		Item	
<u>Completion</u>				
25	Clause 24.0 - Practical completion The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims of loss of profit shall not be entertained F:..... V:..... T:.....		Item	
26	Clause 25.0 - Works completion F:..... V:..... T:.....		Item	
27	Clause 26.0 - Final completion F:..... V:..... T:.....		Item	
28	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....		Item	
29	Clause 28.0 - Sectional completion F:..... V:..... T:.....		Item	
		Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,				

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	Brought Forward		R
30	<p>Clause 29.0 - Revision of date for practical completion</p> <p>The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)</p> <p>F:..... V:..... T:.....</p>	Item	
31	<p>Clause 30.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Payment</u>		
32	<p>Clause 31.0 - Interim payment</p> <p>The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p> <p>PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

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Brought Forward		R
33	<p>Clause 32.0 - Adjustment to the contract value</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p>	Item
<u>Termination</u>		
37	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>F:..... V:..... T:.....</p>	Item
38	<p>Clause 37.0 - Termination by employer - loss and damage</p> <p>F:..... V:..... T:.....</p>	Item
39	<p>Clause 38.0 - Termination by contractor - employer's default</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

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		Brought Forward	R
40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item	
<u>Dispute</u>			
41	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item	
<u>Contract agreement</u>			
42	Clause 41.0 - Post tender provisions The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item	
43	Clause 42.0 - Contractual agreement The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item	
		Carried Forward	R
Section No. 1 Bill No. 1 Preliminaries PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward		R
<u>SECTION B - PRELIMINARIES</u>		
<u>Definitions and interpretation</u>		
44	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item
<u>Documents</u>		
45	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item
46	Clause 2.2 - Provisional bills of quantities These bills of quantities are in "trades" format i.e - foundations, concretework, masonry, waterproofing, roof coverings, carpentry and joinery, ceilings and partitions, ironmongery, metalworks, plastering, tiling, glazing, painting and are provisional schedule of rates F:..... V:..... T:.....	Item
47	Clause 2.3 - Availability of construction documentation F:..... V:..... T:.....	Item
<u>Previous work and adjoining properties</u>		
48	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item
49	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item
50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item
Carried Forward		R
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	Brought Forward		R
	<u>Samples, shop drawings and manufacturer's instructions</u>		
51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item	
54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
	<u>Deposits and fees</u>		
55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
	<u>Temporary services</u>		
56	Clause 6.1 - Water F:..... V:..... T:.....	Item	
57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
59	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	
	Carried Forward		R
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Brought Forward		R
<u>Prime cost amounts</u>		
60	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item
<u>Special attendance on n/s subcontractors</u>		
61	Clause 8.1 - Special attendance <i>General attendance is defined in the n/s subcontract agreement</i> F:..... V:..... T:.....	Item
<u>General</u>		
62	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item
63	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item
64	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item
65	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item
66	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item
67	Clause 9.6 - Environmental disturbance Where the employer has prepared an environmental management plan, a copy of the plan will be attached as an annexure. The contractor shall then price opposite this item for compliance with all the requirements of such environmental management plan F:..... V:..... T:.....	Item
Carried Forward		R
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	Brought Forward		R
68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item	
70	Clause 9.9 - Overhand work F:..... V:..... T:.....	Item	
	<u>Schedule of variables</u>		
	Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract		
	10.1 - Provisional bills of quantities [clause 2.2] The quantities are provisional Yes		
	10.2 - Availability of construction documentation [clause 2.3] Construction documentation is complete No		
	10.3 - Previous work - dimensional accuracy [clause 3.1]		
	10.4 - Previous work - defects [clause 3.2]		
	10.5 - Inspection of adjoining properties [clause 3.3]		
	Carried Forward		R
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Brought Forward	R
10.6 - Water [clause 7.2]	
Option A (by contractor)	
yes	
Option B (by employer - free of charge)	
no	
Option C (by employer - metered)	
no	
10.7 - Electricity [clause 7.3]	
Option A (by contractor)	
yes	
Option B (by employer - free of charge)	
no	
Option C (by employer - metered)	
no	
10.8 - Telecommunications [clause 7.4]	
Telephone	
yes	
Facsimile	
yes	
E-mail	
yes	
10.9 - Ablution facilities [clause 7.5]	
Option A (by contractor)	
yes	
Option B (by employer)	
no	
10.10 - Protection of the works [clause 9.1]	
Carried Forward	R
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	Brought Forward		R
10.11 - Protection/isolation of existing/sectionally occupied works [clause 9.2] Protection/isolation is require			
Yes			
10.12 - Disturbance [clause 9.5]			
10.13 - Environmental disturbance [clause 9.6]			
Carried Forward			R
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<u>SECTION C - SPECIFIC PRELIMINARIES</u>		
71	<p>Site instructions</p> <p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p>	Item
72	<p>Warranties for material and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>	Item
73	<p>Co-operation of contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
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74	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
75	<p>Testing of windows for watertightness</p> <p>Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means</p> <p>F:..... V:..... T:.....</p>	Item	
76	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p>	Item	
<u>SUMMARY OF CATEGORIES</u>			
Category : Fixed R.....			
Category : Value R.....			
Category : Time R.....			
Carried to Final Summary			R
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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are advised to study the "Specifications of materials and methods to be used" (PW371/OCTOBER 1993) before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p>			
	Carried Forward		R	
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Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.

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

The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.

Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.

Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.

Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.

Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.

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Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.

Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.

Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.

Allow for watering the works sufficiently to prevent nuisance from dust.

OLD MATERIALS TO BE CARTED AWAY:
Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

OLD MATERIALS NOT TO BE RE-USED:
None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:
Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.

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Brought Forward			R
<p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p>			
<u>DEMOLITIONS ETC</u>			
<u>Breaking up and removing</u>			
1	200mm Thick concrete surface beds, paving, etc	m2	1
2	200mm Thick mesh reinforced concrete surface beds, paving, etc	m2	1
3	Brick paving with mortar joints	m2	1
4	Concrete kerbs	m	1
5	Brick kerbs with mortar joints	m	1
<u>Taking down and removing</u>			
6	Diamond mesh fence 2.5m high with steel posts and droppers	m	1
7	Half brick boundary or yard wall 2.5m high	m	1
<u>Demolishing and removing</u>			
8	Single storey building with pitched roof 10 x 10m on plan and 1.5m high at eaves comprising concrete surface bed, 220mm external walls, 220mm internal walls and steel roof covering on timber trusses	No	1
<u>REMOVAL OF EXISTING WORK</u>			
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Brought Forward			R
<u>Breaking up and removing mass concrete</u>			
9	Steps	m3	1
10	100mm Thick surface bed	m2	1
<u>Breaking up and removing reinforced concrete including cutting off and removing reinforcement</u>			
11	Stairs and landings	m3	1
12	Beams	m3	1
13	Columns	m3	1
14	200mm Thick slabs	m2	1
<u>Breaking down and removing brickwork etc</u>			
15	Mass Brickwork	m3	1
16	Half brick wall	m2	1
17	One brick wall	m2	1
<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
18	Timber single door and frame not exceeding 2,5m2	No	1
19	Timber single door and frame 813 x 2032mm high	No	1
20	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No	1
21	Timber double door and frame 1626 x 2032mm high	No	1
22	Timber single door and steel frame not exceeding 2,5m2	No	1
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc (building up openings elsewhere)</u>			
23	Timber single door and frame not exceeding 2,5m2	No	1
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			Brought Forward		R	
24	Timber single door and frame 813 x 2032mm high	No		1		
25	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No		1		
26	Timber double door and frame 1626 x 2032mm high	No		1		
27	Timber single door and steel frame not exceeding 2,5m2	No		1		
<u>Taking out doors, windows, etc including thresholds, sills, etc and handing to employer (building up openings elsewhere)</u>						
28	Timber single door and frame not exceeding 2,5m2	No		1		
29	Timber single door and frame 813 x 2032mm high	No		1		
30	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No		1		
31	Timber double door and frame 1626 x 2032mm high	No		1		
32	Timber single door and steel frame not exceeding 2,5m2	No		1		
<u>Taking out doors, windows, etc including thresholds, sills, etc and setting aside for re-use (refixing and building up openings elsewhere)</u>						
33	Timber single door and frame not exceeding 2,5m2	No		1		
34	Timber single door and frame 813 x 2032mm high	No		1		
35	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No		1		
36	Timber double door and frame 1626 x 2032mm high	No		1		
37	Timber single door and steel frame not exceeding 2,5m2	No		1		
Carried Forward						R
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<u>Taking out and removing doors, windows, etc including thresholds, sills, etc and building up openings in brick walls including making good cement plaster on both sides (making good paintwork elsewhere)</u>			
38	Timber single door and frame not exceeding 2,5m2	No	1
39	Timber single door and frame 813 x 2032mm high	No	1
40	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No	1
41	Timber double door and frame 1626 x 2032mm high	No	1
42	Timber single door and steel frame not exceeding 2,5m2	No	1
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc and building up openings in brick walls including making good face brickwork on one side and cement plaster on other side (making good paintwork elsewhere)</u>			
43	Timber single door and frame not exceeding 2,5m2	No	1
44	Timber single door and frame 813 x 2032mm high	No	1
45	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No	1
46	Timber double door and frame 1626 x 2032mm high	No	1
47	Timber single door and steel frame not exceeding 2,5m2	No	1
<u>Refixing of existing doors, windows, etc (removal and setting aside elsewhere)</u>			
48	Setting up and building in timber door frame in brickwork, rehangng single door on new 100mm brass hinges and replacing lock with mortice lock (mortice lock elsewhere measured)	No	1
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49	Setting up steel window 1000 x 1000mm high in brickwork and replacing any broken glass panes with 3mm clear float glass	No	1
<u>Taking out/off and removing sundry metalwork</u>			
50	Steel pipe handrail from walls including making good plaster finish	m	1
51	Steel balustrade 900mm high from concrete stairs including making good granolithic/tile finish	m	1
52	Cut and remove rusted / damaged sections of balustrade not exceeding 3mm in thickness (between 0,1 to 0.5m in length) and replace with new, welded or bolted as the case may be prepare and paint to match existing	No	1
53	Cut and remove rusted / damaged sections of balustrade not exceeding 3mm in thickness (between 0,5 to 1,0m in length) and replace with new, welded or bolted as the case may be prepare and paint to match existing	No	1
54	Cut and remove rusted / damaged sections of balustrade exceeding 3mm but not exceeding 6mm in thickness (between 0,1 to 0.5m in length) and replace with new, welded or bolted as the case may be prepare and paint to match existing	No	1
<u>Taking out and removing sundry joinery work</u>			
55	Timber cornices from brickwork	m	1
56	Timber skirtings from brickwork	m	1
57	Timber sills from brickwork	m	1
<u>Taking out and removing joinery fittings etc</u>			
58	Timber wall cupboard 1000 x 1000 x 1000mm high	No	1
59	Timber floor cupboard 1000 x 1000 x 1000mm high	No	1
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60	Timber sink cupboard 1000 x 1000 x 1000mm high including disconnecting waste pipe (new trap and connecting to new waste pipe elsewhere)	No	1
61	Timber counter 1000 x 1000 x 1000mm high	No	1
<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>			
62	Vinyl tile floor covering including preparing screed for new floor covering	m2	1
<u>Taking out and removing ironmongery</u>			
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
63	Existing door hinges	No	1
64	Existing single action floor spring hinges	No	1
65	Existing double action floor spring hinges	No	1
66	Existing barrel bolt with keep fixed to metal/concrete	No	1
67	Existing flush bolt with keep fixed to metal/concrete	No	1
68	Existing WC indicator bolt with keep fixed to metal/concrete	No	1
69	Existing panic bolt for single door with one keep let into concrete	No	1
70	Existing panic bolt for double door with one keep let into concrete	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
71	Existig ball catch	No	1
72	Existing Single roller catch	No	1
73	Existing Double roller catch	No	1
74	Existing Fanlight catch	No	1
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Brought Forward			R
75	Existing Fanlight stay	No	1
76	Existing Fanlight friction sliding arm	No	1
77	Existing Fanlight opener with cord and cleat	No	1
78	Existing cabin hook and eye	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
79	Existing Padlock	No	1
80	Existing night latch	No	1
81	Existing bathroom lockset	No	1
82	Existing bathroom lockset with striking plate fixed to metal/timber	No	1
83	Existing three lever deadlock	No	1
84	Existing three lever rebated deadlock	No	1
85	Existing four lever deadlock	No	1
86	Existing four lever rebated deadlock	No	1
87	Existing two lever lockset	No	1
88	Existing two lever lockset with striking plate fixed to metal/timber	No	1
89	Existing two lever rebated lockset	No	1
90	Existing three lever lockset	No	1
91	Existing three lever lockset with striking plate fixed to metal/timber	No	1
92	Existing three lever rebated lockset	No	1
93	Existing four lever lockset	No	1
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Brought Forward			R
94	Existing four lever lockset with striking plate fixed to metal/timber	No	1
95	Existing four lever rebated lockset	No	1
96	Existing three lever sliding door lock	No	1
97	Existing four lever sliding door lock	No	1
98	Existing single cylinder deadlock	No	1
99	Existing single cylinder rebated deadlock	No	1
100	Existing double cylinder deadlock	No	1
101	Existing double cylinder rebated deadlock	No	1
102	Existing single cylinder lockset	No	1
103	Existing single cylinder lockset with striking plate fixed to metal/timber	No	1
104	Existing single cylinder rebated lockset	No	1
105	Existing double cylinder lockset	No	1
106	Existing double cylinder lockset with striking plate fixed to metal/timber	No	1
107	Existing double cylinder rebated lockset	No	1
108	Existing single cylinder sliding door lock	No	1
109	Existing double cylinder sliding door lock	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
110	Existing flush handle	No	1
111	Existing knob	No	1
112	Existing pull handle	No	1
113	Existing Set of two pull handles fixed back to back	No	1
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Brought Forward			R
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
114	Existing aluminium plates not exceeding 0,1m2	No	1
115	Existing aluminium plates exceeding 0,1m2 but not exceeding 0,3m2	No	1
116	Existing aluminium plates exceeding 0,3m2 but not exceeding 0,5m2	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
117	Existing door closer	No	1
118	Existing door closer with bracket	No	1
119	Existing concealed door closer	No	1
120	Existing concealed door closer with bracket	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
121	Existing Brass or plastic letters/numerals	No	1
122	Existing perspex plate with engraved and painted letters/numerals/symbols not exceeding 0,1m2	No	1
123	Existing aluminium plate with engraved or painted letters/numerals/symbols exceeding 0,1m2	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
124	Existing plugged pressed steel pelmet with single or double curtain tracks including gliders, hangers and brackets	m	1
125	Existing plastic soffit fixing single or double curtain tracks including gliders, hangers and brackets	m	1
126	Existing face fixing plastic single or double curtain tracks including gliders, hangers and brackets and make good all works disturbed	m	1
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Brought Forward			R
127	Existing hospital cubicle curtain track including gliders, hangers, and brackets	m	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
128	Existing chromium plated curtain or hanging rail not exceeding 1,0m long	No	1
129	Existing chromium plated curtain or hanging rail exceeding 1,0m but not exceeding 2,0m long	No	1
130	Existing chromium plated towel rail not exceeding 1,0m long	No	1
131	Existing toilet roll holder	No	1
132	Existing Lockable toilet roll holder plugged	No	1
133	Existing soap holder	No	1
134	Existing back grab rail not exceeding 1,0m long	No	1
135	Existing side grab rail not exceeding 1,0m girth	No	1
136	Existing bathroom cabinet	No	1
137	Existing soap dispenser	No	1
138	Existing electric hand-drier	No	1
<u>Carefully take out and remove from site the following including making good all works disturbed</u>			
139	Existing rubber door stop	No	1
<u>Taking out/off and removing sundry metalwork</u>			
140	Steel pipe handrail from walls including making good plaster finish	m	1
141	Steel balustrade 900mm high from concrete stairs including making good granolithic finish to kerb	m	1
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Brought Forward			R
142	Steel wire mesh burglar proofing with framing 1000 x 1000mm high bolted to brickwork and making good face brickwork	No	1
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>			
143	30mm Granolithic from floors	m2	1
144	30mm Granolithic from treads and risers of stairs	m2	1
145	Granolithic skirting 15mm high	m	1
146	25mm Screed from floors	m2	1
147	Internal plaster from walls and columns	m2	1
148	Internal plaster from ceilings and beams	m2	1
149	External plaster from walls, columns and beams	m2	1
<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
150	Tiles to floors	m2	1
151	Tiles to walls	m2	1
152	Tile skirting 20mm high	m	1
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
153	Stainless steel wash hand basin	No	1
154	Stainless steel sink and drainer	No	1
155	Wash hand basin	No	1
156	Wash hand basin on pedestal.	No	1
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Brought Forward			R
157	Pedestal only	No	1
158	WC pan only	No	1
159	WC pan with cistern	No	1
160	WC pan with flush valve	No	1
161	Cistern and internal flushing mechanism	No	1
162	Cistern only	No	1
163	Cistern internal flushing mechanism only	No	1
164	WC seat and cover	No	1
165	WC pan connector	No	1
166	Wall hung urinal with flush valve	No	1
167	Wall hung urinal only	No	1
168	Urinal flush valve	No	1
<u>Taking out and removing glass and mirrors</u>			
169	Carefully remove cracked or broken glazing in panes not exceeding 0,1m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
170	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
171	Carefully remove cracked or broken glazing in panes exceeding 0,5m2 and not exceeding 2m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
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Brought Forward			R
172	Carefully remove cracked or broken glazing in panes exceeding 2m2 and not exceeding 4m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
173	Carefully remove cracked or broken glazing in panes not exceeding 0,1m2 in existing metal windows and doors including removal of steel beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
174	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including removal of steel beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
175	Carefully remove cracked or broken glazing in panes exceeding 0,5m2 and not exceeding 2m2 in existing metal windows and doors including removal of steel beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
176	Carefully remove cracked or broken glazing in panes exceeding 2m2 and not exceeding 4m2 in existing metal windows and doors including removal of steel beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
177	Carefully remove cracked or broken glazing in panes not exceeding 0,1m2 in existing timber windows and doors including removal of timber beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
178	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing timber windows and doors including removal of timber beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
179	Carefully remove cracked or broken glazing in panes exceeding 0,5m2 and not exceeding 2m2 in existing timber windows and doors including removal of timber beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
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Brought Forward			R
180	Carefully remove cracked or broken glazing in panes exceeding 2m2 and not exceeding 4m2 in existing timber windows and doors including removal of timber beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	No	1
181	Carefully remove cracked or broken mirrors not exceeding 0,5m2 including making good painted or tiled backing and prepare surface to receive new mirrors (New mirrors elsewhere measured)	No	1
182	Carefully remove cracked or broken mirrors exceeding 0,5m2 and not exceeding 1,0m2 including making good painted or tiled backing and prepare surface to receive new mirrors (New mirrors elsewhere measured)	No	1
183	Carefully remove cracked or broken mirrors exceeding 1m2 and not exceeding 2m2 including making good painted or tiled backing and prepare surface to receive new mirrors (New mirrors elsewhere measured)	No	1
184	Carefully remove cracked or broken mirrors exceeding 2m2 and not exceeding 4m2 including making good painted or tiled backing and prepare surface to receive new mirrors (New mirrors elsewhere measured)	No	1
<u>Taking down and removing roofs, e.t.c</u>			
185	Carefully remove and dispose by specialist existing Corrugated Asbestors Cement roof covering	m2	1
186	Carefully take out and remove damaged existing corrugated / concrete tiles / IBR roofing sheet	m2	1
187	Carefully take out and remove damaged existing timber roof trusses and make good brickwork to receive new roof trusses (New roof trusses elsewhere measured)	m2	1
188	Carefully take out and remove existing corrugated roofing sheet and make good trusses to receive new roof covering	m2	1
189	Carefully take out and remove existing concrete roof tiles and make good trusses to receive new roof covering	m2	1
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Brought Forward			R
190	Carefully take out and remove existing IBR roofing sheet and make good trusses to receive new roof covering	m2	1
191	Inspect Concrete tiled roof not exceeding 50m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
192	Inspect Concrete tiled roof exceeding 50m2 but not exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
193	Inspect Concrete tiled roof exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
194	Remove broken or damaged concrete roof tiles and replace with matching profile, make water tight and paint to match existing colour	m2	1
195	Remove broken or damaged concrete ridge tiles and replace with matching profile, make water tight and paint to match existing colour	m	1
196	Remove broken or damaged concrete verge tiles and replace with matching profile, make water tight and paint to match existing colour	m	1
197	Remove broken or damaged concrete fascia tiles and replace with matching profile, make water tight and paint to match existing colour	m	1
198	Inspect Corrugated roofing sheets not exceeding 50m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
199	Inspect Corrugated roofing sheets exceeding 50m2 but not exceeding 100m2 area for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
200	Inspect Corrugated roofing sheets exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
201	Repair leaks and make water-tight Corrugated roofing sheets and paint to match existing colour	m2	1
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Brought Forward			R
202	Cut out and remove broken or damaged corrugated roofing sheets and replace with matching profile, make water tight and paint to match existing colour	m2	1
203	Inspect IBR roofing sheets not exceeding 50m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
204	Inspect IBR roofing sheets exceeding 50m2 but not exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
205	Inspect IBR roofing sheets exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1
206	Repair leaks and make water-tight IBR roofing sheets and paint to match existing colour	m2	1
207	Cut out and remove broken or damaged IBR roofing sheets and replace with matching profile, make water tight and paint to match existing colour.	m2	1
208	Strip off existing roof covering, cut into and replace damaged sections of 38 x 38mm sawn timber branderings/purlins including firmly securing to existing truss with fasteners/hurricane clips/bolts and replace roof covering	m	1
209	Strip off existing roof covering, cut into and replace damaged sections of 38 x 52mm sawn timber purlins/trusses including firmly securing to existing truss with fasteners/hurricane clips/bolts and replace roof covering	m	1
210	Strip off existing roof covering, cut into and replace damaged sections of 38 x 114mm sawn timber trusses including firmly securing to existing truss with fasteners/hurricane clips/bolts and replace roof covering	m	1
211	Strip off existing roof covering, cut into and replace damaged sections of 38 x 152mm sawn timber branderings/purlins including firmly securing to existing truss with fasteners/hurricane clips/bolts and replace roof covering	m	1
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Brought Forward			R
212	Carefully cut and remove broken or damaged fibre fascia/bargeboards not exceeding 300mm wide and make good works disturbed (replacement elsewhere measured)	m	1
213	Carefully cut and remove broken or damaged timber fascia/bargeboards not exceeding 300mm wide and make good all works disturbed (replacement elsewhere measured)	m	1
214	Carefully cut and remove rusted steel head wall/parapet/undertile flashing/counterflashing not exceeding 450mm girth, and make good all works disturbed (replacement elsewhere measured)	m	1
215	Carefully remove broken or damaged fibre fascia/bargeboards not exceeding 300mm wide, replace with new and paint to match existng	m	1
216	Carefully remove broken or damaged timber fascia/bargeboards not exceeding 300mm wide, replace with new and paint to match existng	m	1
217	Carefully remove rusted steel head wall/parapet/undertile flashing/counterflashing not exceeding 450mm girth, replace with new and paint to match existng	m	1
218	Carefully cut and remove broken or damaged metal roof valley/gutter not exceeding 600mm wide and replace with matching profile, make water tight and paint to match existing	m	1
<u>Taking down and removing ceilings, e.t.c</u>			
219	Allow provision for scaffold for 1 day to cover 10 m2 to fix ceiling exceeding 3,5m but not exceeding 5m high.		Item
220	Make good cracks not more than 5mm wide on plastered ceiling with poly-filler to flush and match existing	m	1
221	Make good cracks more than 5mm wide on plastered ceiling by hacking out and removing plaster 150mm wide on both sides of cracks and make good with wired chicken mesh and cover with new plaster	m	1
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Brought Forward			R
222	Carefully hack out and remove damp, loose and flaking plaster to ceilings, prepare surface and re-plaster in patches not exceeding 0,3m2 to flush and match existing	No	1
223	Carefully hack out and remove damp, loose and flaking plaster to ceilings prepare surface and re-plaster in patches exceeding 0,3m2 but not exceeding 0,6m2 to flush and match existing	No	1
224	Carefully hack out and remove damp, loose and flaking plaster to ceilings prepare surface and re-plaster in patches exceeding 0,6m2 but not exceeding 1,0m2 to flush and match existing	No	1
225	Carefully hack out and remove damp, loose and flaking plaster to ceilings exceeding 1,0m2 and prepare soffit of ceiling to receive new plaster (New plaster elsewhere measured)	m2	1
226	Patch cracks in gypsum cement ceiling board not exceeding 5mm wide with gypsum plaster and mesh	m	1
227	Patch holes in gypsum ceiling board not exceeding 50mm diameter with gypsum plaster and mesh	No	1
228	Patch holes in gypsum ceiling board exceeding 50mm but not exceeding 100mm diameter with gypsum plaster and mesh	No	1
229	Carefully remove damaged portions of existing gypsum ceiling boards including removal of damaged bandering and cornices and prepare existing to receive new (New boards elsewhere measured)	m2	1
230	Patch cracks in gypsum cement ceiling board not exceeding 5mm wide with gypsum plaster and mesh	m	1
231	Patch holes in gypsum ceiling board not exceeding 50mm diameter with gypsum plaster and mesh	No	1
232	Patch holes in gypsum ceiling board exceeding 50mm but not exceeding 100mm diameter with gypsum plaster and mesh	No	1
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Brought Forward			R
233	Carefully remove damaged sections of existing gypsum ceiling boards including removal of damaged brandering and prepare existing to receive new (New boards elsewhere measured)	m2	1
234	Patch cracks in fibre cement ceiling boards not exceeding 5mm wide	m	1
235	Patch holes in fibre cement ceiling boards not exceeding 50mm diameter	No	1
236	Patch holes in fibre cement ceiling boards exceeding 50mm but not exceeding 100mm diameter	No	1
237	Carefully remove damaged portions of existing fibre cement ceiling boards including removal of damaged brandering and prepare existing to receive new (New boards elsewhere measured)	m2	1
238	Carefully remove damaged sections of existing gypsum cornices in lengths not exceeding 3,0m and make good walls and ceilings to receive new (New cornice elsewhere measured)	m	1
239	Carefully remove damaged sections of existing gypsum cornices in lengths exceeding 3,0m and make good walls and ceilings to receive new	m	1
240	Mirror, size 600 x 600mm	No	1
<u>SERVICING EXISTING ITEMS</u>			
<u>Service existing sanitary fittings, accessories, etc.</u>			
241	Carefully examine hydroboil, for any leaks, worn parts, etc repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No	1
242	Carefully examine wash hand basins, taps, traps and piping for any leaks, worn parts, etc. repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No	1
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Brought Forward			R
243	Carefully examine sinks, taps, traps and piping for any leaks, worn parts, etc. repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No	1
244	Carefully examine bath tub, taps, traps and piping for any leaks, worn parts, etc. repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No	1
245	Carefully examine laundry sinks, size 1300 x 500 x 900mm high, taps, traps and piping for any leaks, worn parts, etc. repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No	1
<u>Servicing existing windows</u>			
246	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	1
247	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 400mm high	No	1
248	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 500 x 500mm high	No	1
249	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 500 x 600mm high	No	1
250	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 600 x 800mm high	No	1
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251	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 600 x 1200mm high	No	1
252	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 600 x 1500mm high	No	1
253	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 700 x 1400mm high	No	1
254	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 800 x 600mm high	No	1
255	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 800 x 2000mm high	No	1
256	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1000 x 600mm high	No	1
257	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1000 x 2000mm high	No	1
258	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1200 x 500mm high	No	1
Carried Forward			R
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Brought Forward			R
259	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1450 x 700mm high	No	1
260	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1500 x 1000mm high	No	1
261	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1500 x 2000mm high	No	1
262	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2000 x 300mm high	No	1
263	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2000 x 600mm high	No	1
264	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2000 x 1500mm high	No	1
265	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2000 x 2000mm high	No	1
266	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2500 x 1000mm high	No	1
Carried Forward			R
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Brought Forward			R
267	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2500 x 1500mm high	No	1
268	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 3000 x 1500mm high	No	1
269	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 3200 x 1500mm high	No	1
270	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 3200 x 2000mm high	No	1
271	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 3500 x 1500mm high	No	1
272	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 3500 x 2000mm high	No	1
<u>CUTTING THROUGH FLOORS AND CEILINGS</u>			
273	50 x 50mm chase formed for plumbing pipework	m	1
274	110 x 110mm chase formed for plumbing pipework	m	1
275	Cutting through 100mm thick concrete surface bed for 500mm wide concrete wall footing including making good concrete on both sides of new 220mm brick wall	m	1
Carried Forward			R
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Brought Forward			R
<u>BUILDING UP OPENINGS</u>			
<u>Brickwork in NFP bricks in class II mortar in building up openings</u>			
276	Half brick walls	m2	1
277	One brick walls	m2	1
<u>Sundries</u>			
278	Cutting toothings and bonding new brickwork to existing	m2	1
<u>220mm face bricks pointed with flush horizontal and vertical joints</u>			
279	Extra over brickwork for face brickwork in patches	m2	1
280	1000mm Wide brick-on-edge header course sill set sloping and slightly projecting	m	1
281	Cutting toothings and bonding new face brickwork to existing	m	1
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Scabble existing surface of plastered wall and prepare surface to receive new tiling (new tiling elsewhere measured)</u>			
282	On walls	m2	1
<u>Scabble existing surface of fair faced wall and prepare surface to receive new plaster (new plaster elsewhere measured)</u>			
283	On walls	m2	1
<u>SCREEDS</u>			
284	Make good cracks not more than 5mm wide with cement grout (1:3) on steel or wood floated screed, flush and match existing floor texture	m	1
Carried Forward			R
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Brought Forward			R
285	Make good cracks on steel or wood floated screed more than 5mm thick by hacking out 150mm wide and 25mm deep minimum on both sides of cracks, prepare the surface and lay new screed to flush and match existing	m	1
286	Make good holes not exceeding 0,1m2 in existing steel or wood floated floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
287	Make good holes exceeding 0,1m2 but not exceeding 0,3m2 in existing steel or wood floated floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
288	Make good holes exceeding 0,3m2 but not exceeding 0,5m2 in existing steel or wood floated floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
289	Make good holes exceeding 0,5m2 but not exceeding 1,0m2 in existing steel or wood floated floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
290	Hack off and remove damaged steel or wood floated floor screed exceeding 1,0m2 and prepare surface to receive new floor screed (New floor screed measured elsewhere)	m2	1
<u>GRANOLITHIC</u>			
291	Make good cracks not more than 5mm wide with with cement grout on granolithic floor screed, flush and match existing floor texture	m	1
292	Make good cracks on granolithic floor screed more than 5mm thick by hacking out 150mm wide and minimum 25mm deep on both sides of cracks, prepare the surface and lay new screed to flush and match existing	m	1
293	Make good holes not exceeding 0,1m2 in existing granolithic floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
Carried Forward			R
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Brought Forward			R
294	Make good holes exceeding 0,1m2 but not exceeding 0,3m2 in existing granolithic floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
295	Make good holes exceeding 0,3m2 but not exceeding 0,5m2 in existing granolithic floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
296	Make good holes exceeding 0,5m2 but not exceeding 1,0m2 in existing granolithic floor screed including removing damaged sections and patching with new screed to flush and match existing	No	1
297	Hack off and remove damaged granolithic floor screed exceeding 1,0m2 and prepare surface to receive new floor screed (New granolithic screed measured elsewhere)	m2	1
<u>INTERNAL PLASTER</u>			
298	Fill cracks not more than 5mm wide with poly-filler and touch-up paint to match existing colour	m	1
299	Make good holes, chips, dents and cracks not exceeding 0,1m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
300	Make good cracks more than 5mm wide by hacking out and removing existing plaster 150mm wide on both sides of cracks, prepare surface and repair with chicken mesh covered with new plaster and paint to match existing paint	m	1
301	Make good holes, chips, dents and cracks exceeding 0,1m2 but not exceeding 0,3m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
302	Make good holes, chips, dents and cracks exceeding 0,3m2 but not exceeding 0,5m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
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Brought Forward			R
303	Make good holes, chips, dents and cracks exceeding 0,5m2 but not exceeding 1,0m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
304	Carefully hack out and remove damp, loose, flaking or cracked plaster to walls exceeding 1,0m2 and prepare surface of wall to receive new plaster (New plaster elsewhere measured)	m2	1
<u>EXTERNAL PLASTER</u>			
305	Fill cracks not more than 5mm wide with poly-filler and touch-up paint to match existing colour	m	1
306	Make good cracks more than 5mm wide by hacking out and removing existing plaster 150mm wide on both sides of cracks, prepare surface and repair with chicken mesh covered with new plaster and paint to match existing paint	m	1
307	Make good holes, chips, dents and cracks not exceeding 0,1m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
308	Make good holes, chips, dents and cracks exceeding 0,1m2 but not exceeding 0,3m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
309	Make good holes, chips, dents and cracks exceeding 0,3m2 but not exceeding 0,5m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
310	Make good holes, chips, dents and cracks exceeding 0,5m2 but not exceeding 1,0m2 in existing plaster including removing damaged sections and patching with new plaster to flush and match existing	No	1
311	Carefully hack out and remove damp, loose, flaking or cracked plaster to walls exceeding 1,0m2 and prepare surface of wall to receive new plaster (New plaster elsewhere measured)	m2	1
Carried Forward			R
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Brought Forward			R
312	Cutting out joints of existing brickwork to receive plaster	m2	1
313	Hacking face of existing concrete columns, beams, etc to receive plaster	m2	1
314	Hacking face of existing face brickwork to receive plaster	m2	1
315	Making good defects in existing screeded floors with "Pavelite"	m2	1
<u>Damp proof treatment</u>			
316	Hack-off plaster, apply damp repellent and re-plaster and paint to match existing	m2	1
<u>Making good rainwater pipes.</u>			
317	Carefully cut out and remove damaged sections of existing galvanised 125 x 100mm gutter in lengths not exceeding 0,5m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
318	Carefully cut out and remove damaged sections of existing galvanised 125 x 100mm gutter in lengths exceeding 0,5m but not exceeding 1,0m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
319	Carefully cut and remove damaged sections of existing galvanised 125 x 100mm gutter in lengths exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	m	1
320	Carefully cut out and remove damaged sections of existing galvanised 100 x 85mm gutter in lengths not exceeding 0,5m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
Carried Forward			R
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Brought Forward			R
321	Carefully cut and remove damaged sections of existing galvanised 100 x 85mm gutter in lengths exceeding 0,5m but not exceeding 1,0m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
322	Carefully cut out and remove damaged sections of existing galvanised 100 x 85mm gutter in lengths exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	m	1
323	Carefully cut out and remove damaged sections of existing galvanised 100 x 75mm downpipes in lengths not exceeding 0,5m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
324	Carefully cut and remove damaged sections of existing galvanised 100 x 75mm downpipes in lengths exceeding 0,5m but not exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
325	Carefully cut out and remove damaged sections of existing galvanised 100 x 75mm downpipes in lengths exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	m	1
326	Carefully cut out and remove damaged sections of existing galvanised 100mm diameter downpipes in lengths not exceeding 0,5m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
327	Carefully cut out and remove damaged sections of existing galvanised 100mm diameter downpipes in lengths exceeding 0,5 but not exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
328	Carefully cut out and remove damaged sections of existing galvanised 100mm diameter downpipes in lengths exceeding 1m and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	m	1
Carried Forward			R
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Brought Forward			R
329	Carefully cut and remove damaged existing galvanised eaves offset and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
330	Carefully cut and remove damaged existing galvanised shoe and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
331	Carefully cut and remove damaged galvanised bends / elbow and replace with new to match existing profile, make water-tight at joining, prepare and paint to match existing	No	1
332	Carefully cut and remove damaged galvanised box head and replace with new to match existing profile, make good flashing and counter flashing and make water-tight at joining, prepare and paint to match existing	No	1
<u>Repair leaking water supply pipes</u>			
<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths not exceeding 0.5m and replace with new including all necessary fittings.</u>			
333	15mm Copper pipes	No	1
334	22mm Copper pipes	No	1
335	28mm Copper pipes	No	1
336	32mm Copper pipes	No	1
337	50mm Copper pipes	No	1
<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 0.5m but not exceeding 1m and replace with new including all necessary fittings.</u>			
338	15mm Copper pipes	No	1
339	22mm Copper pipes	No	1
Carried Forward			R
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		Brought Forward		R
340	28mm Copper pipes	No	1	
341	32mm Copper pipes	No	1	
342	50mm Copper pipes	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 1m and replace with new including all necessary fittings.</u>			
343	15mm Copper pipes	m	1	
344	22mm Copper pipes	m	1	
345	28mm Copper pipes	m	1	
346	32mm Copper pipes	m	1	
347	50mm Copper pipes	m	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged fittings to existing pipes and replace with new including making good all works disturbed.</u>			
348	15mm Copper fittings	No	1	
349	22mm Copper fittings	No	1	
350	28mm Copper fittings	No	1	
351	32mm Copper fittings	No	1	
352	50mm Copper fittings	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths not exceeding 0,5m and replace with new including all necessary fittings.</u>			
353	15mm Galvanised pipes	No	1	
354	22mm Galvanised pipes	No	1	
355	28mm Galvanised pipes	No	1	
	Carried Forward			R
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Brought Forward				R
356	32mm Galvanised pipes	No	1	
357	50mm Galvanised pipes	No	1	
358	65mm Galvanised pipes	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 0.5m but not exceeding 1m and replace with new including all necessary fittings.</u>			
359	15mm Galvanised pipes	No	1	
360	22mm Galvanised pipes	No	1	
361	28mm Galvanised pipes	No	1	
362	32mm Galvanised pipes	No	1	
363	50mm Galvanised pipes	No	1	
364	65mm Galvanised pipes	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 1m and replace with new including all necessary fittings.</u>			
365	15mm Galvanised pipes	m	1	
366	22mm Galvanised pipes	m	1	
367	28mm Galvanised pipes	m	1	
368	32mm Galvanised pipes	m	1	
369	50mm Galvanised pipes	m	1	
370	65mm Galvanised pipes	m	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged fittings to existing pipes and replace with new including making good all works disturbed.</u>			
371	15mm Galvanised fittings	No	1	
Carried Forward				R
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		Brought Forward		R
372	22mm Galvanised fittings	No	1	
373	28mm Galvanised fittings	No	1	
374	32mm Galvanised fittings	No	1	
375	50mm Galvanised fittings	No	1	
376	65mm Galvanised fittings	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths not exceeding 0,5m and replace with new including all necessary fittings.</u>			
377	15mm uPVC pipes	No	1	
378	22mm uPVC pipes	No	1	
379	28mm uPVC pipes	No	1	
380	32mm uPVC pipes	No	1	
381	50mm uPVC pipes	No	1	
382	65mm uPVC pipes	No	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 0,5m but not exceeding 1m and replace with new including all necessary fittings.</u>			
383	15mm uPVC pipes	No	1	
384	22mm uPVC pipes	No	1	
385	28mm uPVC pipes	No	1	
386	32mm uPVC pipes	No	1	
387	50mm uPVC pipes	No	1	
388	65mm uPVC pipes	No	1	
	Carried Forward			R
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Brought Forward				R
	<u>Shut off water supply to affected pipes, cut out and remove damaged sections of existing pipes in lengths exceeding 1m and replace with new including all necessary fittings.</u>			
389	15mm uPVC pipes	m	1	
390	22mm uPVC pipes	m	1	
391	28mm uPVC pipes	m	1	
392	32mm uPVC pipes	m	1	
393	50mm uPVC pipes	m	1	
394	65mm uPVC pipes	m	1	
	<u>Shut off water supply to affected pipes, cut out and remove damaged fittings to existing pipes and replace with new including making good all works disturbed.</u>			
395	15mm uPVC fittings	No	1	
396	22mm uPVC fittings	No	1	
397	28mm uPVC fittings	No	1	
398	32mm uPVC fittings	No	1	
399	50mm uPVC fittings	No	1	
400	65mm uPVC fittings	No	1	
	<u>Cut out and remove damaged sections of existing pipes in lengths not exceeding 0.5m and replace with new including all necessary joining fittings.</u>			
401	50mm diameter uPVC pipes	No	1	
402	100mm diameter uPVC pipes	No	1	
	<u>Cut out and remove damaged sections of existing pipes in lengths exceeding 0.5m but not exceeding 1m and replace with new including all necessary joining fittings.</u>			
403	50mm diameter uPVC pipes	No	1	
Carried Forward				R
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			Brought Forward		R
404	100mm diameter uPVC pipes	No		1	
	<u>Cut out and remove damaged sections of existing pipes in lengths exceeding 1m and replace with new including all necessary joining fittings.</u>				
405	50mm diameter uPVC pipes	m		1	
406	100mm diameter uPVC pipes	m		1	
	<u>Cut out and remove damaged fittings on existing pipes and replace with new including making good all works disturbed.</u>				
407	50mm diameter uPVC fittings	No		1	
408	100mm diameter uPVC fittings	No		1	
	<u>Cut out and remove damaged sections of existing pipes in lengths not exceeding 0.5m and replace with new including all necessary joining fittings.</u>				
409	50mm diameter cast iron pipes	No		1	
410	100mm diameter cast iron pipes	No		1	
	<u>Cut out and remove damaged sections of existing pipes in lengths exceeding 0.5m but not exceeding 1m and replace with new including all necessary joining fittings.</u>				
411	50mm diameter cast iron pipes	No		1	
412	100mm diameter cast iron pipes	No		1	
	<u>Cut out and remove damaged sections of existing pipes in lengths exceeding 1m and replace with new including all necessary joining fittings.</u>				
413	50mm diameter cast iron pipes	m		1	
414	100mm diameter cast iron pipes	m		1	
	<u>Cut out and remove damaged fittings on existing pipes and replace with new including making good all works disturbed.</u>				
415	50mm diameter cast iron fittings	No		1	
			Carried Forward		R
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Brought Forward			R
416	100mm diameter cast iron fittings	No	1
	<u>Locate and unblock blocked waste and sewer pipes and make good all works disturbed.</u>		
417	50mm diameter uPVC or cast iron pipes	m	1
418	100mm diameter uPVC or cast iron pipes	m	1
	<u>Fix firmly into position loose/shaking sanitary fittings, etc</u>		
419	Stainless steel wash hand basin	No	1
420	Stainless steel sink and drainer	No	1
421	Wash hand basin	No	1
422	Wash hand basin on pedestal	No	1
423	Pedestal only	No	1
424	WC pan only	No	1
425	WC pan with cistern	No	1
426	WC pan with flush valve	No	1
427	Cistern and internal flushing mechanism	No	1
428	Cistern only	No	1
429	Cistern internal flushing mechanism only	No	1
430	WC seat and cover	No	1
431	WC pan connector	No	1
432	Wall hung urinal with flush valve	No	1
433	Wall hung urinal only	No	1
434	Urinal flush valve	No	1
	<u>TRAPS ETC</u>		
	Carried Forward		
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Brought Forward				R
<u>Carefully remove the following traps, make water tight and make good all works disturbed</u>				
<u>"Marley" or Similar approved</u>				
435	32mm Reseal "P" or "S" trap	No	1	
436	40mm Bath trap complete with overflow outlet and pipe	No	1	
437	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	1	
<u>"Vulcathene" or Similar approved</u>				
438	40mm Anti-vac bottle trap	No	1	
<u>"Approved" Chromium plated</u>				
439	40mm Chrome plated Bottle trap	No	1	
<u>"Cobra Watertech" or Similar approved</u>				
440	75mm Chrome Plated hinged urinal domical grating	No	1	
<u>TAPS, VALVES, ETC</u>				
<u>Shut off water supply and carefully remove the following existing taps, valves, e.t.c. not exceeding 50mm diameter</u>				
<u>Brass</u>				
441	Stopcock	No	1	
442	Fullway gate valve	No	1	
443	Bibcock with hose union	No	1	
444	Non-return valve	No	1	
<u>"Cobra Watertech" or Similar</u>				
445	Chrome Plated angle regulating valve	No	1	
446	Chrome Plated stopcock	No	1	
Carried Forward				R
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Brought Forward			R
447	Chrome Plated "Star" underwall pattern stopcock	No	1
448	Fullway gate valve	No	1
449	Bibcock	No	1
450	Bibcock with hose union	No	1
451	Chrome Plated bibcock	No	1
452	Chrome Plated pillarcock	No	1
453	Chrome Plated single taphole basin mixer	No	1
454	Chrome Plated sink mixer	No	1
455	Chrome Plated bath mixer	No	1
456	Chrome Plated bath mixer with hand shower	No	1
457	Chrome Plated shower mixer	No	1
458	Chrome Plated bath spout	No	1
459	Chrome Plated shower rose	No	1
460	Chrome Plated overhead shower arm	No	1
461	In-line strainer	No	1
462	Chrome Plated fullway ballcock	No	1
463	Fullway ballcock	No	1
464	PB1.10RB vacuum breaker	No	1
465	PA1.1RB "Kwikflo" 400 kPa pressure reducing valve	No	1
466	"Flushmaster Junior" toilet flush valve	No	1
467	"Flushmaster Junior" urinal flush valve	No	1
468	"Flushmaster" toilet flush valve	No	1
Carried Forward			R
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Brought Forward			R
<u>Fix firmly into position existing loose/shaking taps, valves, etc not exceeding 50mm diameter</u>			
<u>Brass</u>			
469	Stopcock	No	1
470	Fullway gate valve	No	1
471	Bibcock with hose union	No	1
472	Non-return valve	No	1
<u>"Cobra Watertech" or Similar</u>			
473	Chrome Plated angle regulating valve	No	1
474	Chrome Plated stopcock	No	1
475	Chrome Plated "Star" underwall pattern stopcock	No	1
476	Fullway gate valve	No	1
477	Bibcock	No	1
478	Bibcock with hose union	No	1
479	Chrome Plated bibcock	No	1
480	Chrome Plated pillarcock	No	1
481	Chrome Plated single taphole basin mixer	No	1
482	Chrome Plated sink mixer	No	1
483	Chrome Plated bath mixer	No	1
484	Chrome Plated bath mixer with hand shower	No	1
485	Chrome Plated shower mixer	No	1
486	Chrome Plated bath spout	No	1
487	Chrome Plated shower rose	No	1
Carried Forward			R
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Brought Forward			R
488	Chrome Plated overhead shower arm	No	1
489	In-line strainer	No	1
490	Chrome Plated fullway ballcock	No	1
491	Fullway ballcock	No	1
492	PB1.10RB vacuum breaker	No	1
493	PA1.1RB "Kwikflo" 400 kPa pressure reducing valve	No	1
494	"Flushmaster Junior" toilet flush valve	No	1
495	"Flushmaster Junior" urinal flush valve	No	1
496	"Flushmaster" toilet flush valve	No	1
<u>Fix firmly into position existing loose/shaking fire appliances</u>			
497	"Everyway" hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	1
498	4.5kg Dry chemical fire extinguisher	No	1
499	9kg Dry chemical fire extinguisher	No	1
<u>Carefully remove the following fire appliances</u>			
500	"Everyway" hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	1
501	4.5kg Dry chemical fire extinguisher	No	1
502	9kg Dry chemical fire extinguisher	No	1
<u>Service the following appliances and leave in perfect working order including making good all works disturbed</u>			
503	"Everyway" hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	1
Carried Forward			R
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		Brought Forward		R
504	4.5kg Dry chemical fire extinguisher	No	1	
505	9kg Dry chemical fire extinguisher	No	1	
<u>MAKING GOOD OF FINISHES ETC</u>				
<u>TILING</u>				
506	Carefully hack out and remove damaged sections of existing ceramic wall tiles not exceeding 0,3m2 and replace with new (PC Sum R60.00 /m2) pointed neat to match existing	No	1	
507	Carefully hack out and remove damaged sections of existing ceramic wall tiles exceeding 0,3m2 but not exceeding 0,6m2 and replace with new (PC Sum R60.00 /m2) pointed neat to match existing	No	1	
508	Carefully hack out and remove damaged sections of existing ceramic wall tiles exceeding 0,6m2 but not exceeding 1,0m2 and replace with new (PC Sum R60.00 /m2) pointed neat to match existing	No	1	
509	Carefully hack out and remove damaged sections of existing ceramic wall tiles exceeding 1,0m2 and prepare surface to receive new wall tiles (New wall tiles elsewhere measured)	m2	1	
510	Carefully hack out and remove damaged sections of existing ceramic floor tiles not exceeding 0,3m2 and replace with new (PC Sum R75.00 /m2) pointed neat to match existing	No	1	
511	Carefully hack out and remove damaged sections of existing ceramic floor tiles exceeding 0,3m2 but not exceeding 0,6m2 and replace with new (PC Sum R75,00 /m2) pointed neat to match existing	No	1	
512	Carefully hack out and remove damaged sections of existing ceramic floor tiles exceeding 0,6m2 but not exceeding 1,0m2 and replace with new (PC Sum R75,00/m2) pointed neat to match existing	No	1	
		Carried Forward		R
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Brought Forward			R
513	Carefully hack out and remove damaged sections of existing ceramic floor tiles exceeding 1,0m2 and prepare surface to receive new floor tiles (New floor tiles elsewhere measured)	m2	1
514	Carefully hack out and remove damaged sections of existing terrazzo floor tiles not exceeding 0,3m2 and replace with new (PC Sum R150.00 /m2) pointed neat to match existing	No	1
515	Carefully hack out and remove damaged sections of terrazzo floor tiles exceeding 0,3m2 but not exceeding 0,6m2 and replace with new (PC Sum R150.00 /m2) pointed neat to match existing	No	1
516	Carefully hack out and remove damaged sections of existing terrazzo floor tiles exceeding 0,6m2 but not exceeding 1,0m2 and replace with new (PC Sum R150.00/m2) pointed neat to match existing	No	1
517	Carefully hack out and remove damaged sections of existing terrazzo floor tiles exceeding 1,0m2 and prepare surface to receive new floor tiles (New terrazzo floor tiles elsewhere measured)	m2	1
<u>FACE BRICKWORK IN REPAIRS</u>			
<u>External facings in approved face bricks (FBS) with a PC Amount of R3 000.00 (Three thousand rand) per thousand bricks delivered to site (excluding VAT) pointed with square recessed horizontal and vertical joints.</u>			
518	Half brick wall in facings in patchwork including all bonding to existing facebrickwork (full value item)	m2	1
<u>Examination and repair of existing roof covering</u>			
519	Carefully examine/check existing sheet metal roof covering, replace/make good any defective sheets and check roof screws/bolts and replace where necessary (to ensure watertightness of roofs)	m2	1
520	Carefully examine/check existing vertical sheet metal cladding, replace/make good any defective sheets and check roof screws/bolts and replace where necessary (to ensure watertightness of roofs)	m2	1
Carried Forward			R
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		Brought Forward		R
521	Carefully examine/check/clean existing gutters, replace/make good any defective gutters and check roof joints and replace where necessary (to ensure watertightness of gutters)	m	1	
	<u>Cut off and remove damaged timbers at eaves</u>			
522	Cut off 38 x 114mm roof trusses in repairs	m	1	
523	Cut off 38 x 152mm roof trusses in repairs	m	1	
524	Cut off 50 x 76mm Purlins	m	1	
	<u>Supply and installation of new sawn SAP Grade 6 timbers in repair works at eaves including all necessary propping, insertion of new timbers, all cutting, bolting, etc required in executing repair works</u>			
525	38 x 114mm Bolted roof truss members in length not exceeding 2400mm	m	1	
526	38 x 152mm Bolted roof truss members in lengths not exceeding 2400mm	m	1	
527	38 x 152mm Bolted roof truss members in lengths exceeding 2400mm and not exceeding 3900mm	m	1	
528	50 x 70mm Purlins	m	1	
	<u>Cut off and remove damaged timbers in roof space</u>			
529	Cut off 38 x 114mm roof trusses in repairs	m	1	
530	Cut off 38 x 152mm roof trusses in repairs	m	1	
531	Cut off 50 x 76mm Purlins	m	1	
	<u>Supply and installation of new sawn SAP Grade 6 timbers in repair works in roof space including all necessary propping, insertion of new roof timbers, all cutting, bolting, etc required in executing repair works</u>			
532	38 x 114mm Bolted roof truss members in length not exceeding 2400mm	m	1	
	Carried Forward			R
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			R
Brought Forward			
533	38 x 114mm Bolted roof truss members in length exceeding 2400mm and not exceeding 3900mm	m	1
534	38 x 152mm Bolted roof truss members in lengths not exceeding 2400mm	m	1
535	38 x 152mm Bolted roof truss members in lengths exceeding 2400mm and not exceeding 3900mm	m	1
536	50 x 76mm Purlins	m	1
<u>Walls</u>			
<u>Clean down by hand with an approved cleaning agent and wash down</u>			
537	Existing facebrick walls	m2	1
<u>Wash down with high pressure low volume water jet</u>			
538	On existing external facebrick walls	m2	1
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>			
<u>Altering openings</u>			
539	Altering opening in 220mm brick wall where 1000 x 1000mm high steel window removed to form opening for new double door and frame 1624 x 2032mm high overall by breaking out brickwork on both sides and bottom including necessary precast concrete lintel and making good plaster on one side and into reveals and face brickwork on other side and into reveals with concrete with quarry tile finish to threshold (new door and frame and making good paintwork elsewhere)	No	1
<u>Breaking out for and forming plain openings through brick walls including necessary precast concrete lintels and making good plaster on both sides and into reveals with concrete thresholds with steel trowelled finish (making good paintwork elsewhere)</u>			
540	Opening 1000 x 1000mm high through 220 brick wall	No	1
Carried Forward			R
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Brought Forward			R
541	Opening for door with timber frame 813 x 2032mm high overall through 220mm brick wall	No	1
	<u>Breaking out for and forming openings through brick walls for new doors and frames including necessary precast concrete lintels and making good plaster on both sides and into reveals with concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere)</u>		
542	Opening 1000 x 1000mm high through 220 brick wall	No	1
543	Opening for door with timber frame 813 x 2032mm high overall through 220mm brick wall	No	1
	<u>Breaking out for and forming openings through brick walls for new doors and frames including necessary precast concrete lintels and making good plaster on one side and into reveals and face brickwork on other side and into reveals with concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere)</u>		
544	Opening 1000 x 1000mm high through 220 brick wall	No	1
545	Opening for door with timber frame 813 x 2032mm high overall through 220mm brick wall	No	1
	<u>Breaking out for and forming openings through brick walls for new windows including necessary precast concrete lintels and making good plaster on both sides and into reveals (new windows and making good paintwork elsewhere)</u>		
546	Opening for window 1000 x 1000mm high through 220mm brick wall	No	1
	<u>Breaking out for and forming openings through brick walls for new windows including necessary precast concrete lintels and making good plaster on one side and into reveals and face brickwork on other side and into reveals (new windows and making good paintwork elsewhere)</u>		
547	Opening for window 1000 x 1000mm high through 220mm brick wall	No	1
Carried Forward to Summary of Section No. 2			R
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes			
	<u>Nature of ground</u>			
	A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured			
	<u>Carting away of excavated material</u>			
	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			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	1	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	1	
	<u>REMOVAL OF TREES ETC</u>			
	Carried Forward			R
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Brought Forward			R
<u>Taking out and removing, grubbing up roots and filling in holes</u>			
3	Tree stump exceeding 200mm and not exceeding 500mm girth	No	1
4	Tree stump exceeding 500mm and not exceeding 1000mm girth	No	1
<u>Cutting down and removing, grubbing up roots and filling in holes</u>			
5	Hedge not exceeding 1000mm high	m	1
6	Hedge exceeding 1000mm and not exceeding 2000mm high	m	1
7	Tree exceeding 200mm and not exceeding 500mm girth	No	1
8	Tree exceeding 500mm and not exceeding 1000mm girth	No	1
<u>BULK EXCAVATION, FILLING, ETC</u>			
<u>User Note:</u>			
This section is given as an alternative option and in the event of it being exercised the excavation, filling, etc other than bulk is to be given under the later section			
<u>Open face excavation in earth over sloping site</u>			
9	Open face excavation	m3	1
<u>Extra over bulk excavation in earth for excavation in</u>			
10	Soft rock	m3	1
11	Hard rock	m3	1
<u>Extra over all excavations for carting away</u>			
12	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1
Carried Forward			R
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Brought Forward			R
13	Surplus material from excavations and/or stock piles on site to a dumping site situated approximately 3km from the building site	m3	1
<u>Risk of collapse of excavations</u>			
14	Sides of bulk excavations not exceeding 1,5m deep	m2	1
15	Sides of bulk excavations exceeding 1,5m deep	m2	1
<u>Keeping excavations free of water</u>			
16	Keeping excavations free of all water other than subterranean water	Item	
<u>FILLING ETC</u>			
<u>Earth filling obtained from the excavations (not compacted)</u>			
17	In prescribed stock piles on site	m3	1
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
18	Over site	m3	1
<u>Selected material supplied by the contractor and compacted to 95% Mod AASHTO maximum density</u>			
19	Over site	m3	1
<u>Compaction of surfaces</u>			
20	Compaction of ground surface under floors etc including scarifying for a depth of 150mm and compacting to 98% Mod AASHTO Density	m3	1
<u>Prescribed density tests on filling</u>			
21	"Modified AASHTO Density" test	No	1
<u>EXCAVATION, FILLING, ETC</u>			
Carried Forward			R
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Brought Forward			R
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
22	Trenches	m3	1
23	Holes	m3	1
24	Trenches and holes for thickening under surface beds etc	m3	1
<u>Extra over bulk excavation in earth for excavation in</u>			
25	Soft rock	m3	1
26	Hard rock	m3	1
<u>Extra over bulk excavation in earth for breaking up and removing</u>			
27	Brickwork	m3	1
28	Unreinforced concrete	m3	1
29	Reinforced concrete	m3	1
<u>Extra over trench and hole excavations in earth for excavation in</u>			
30	Soft rock	m3	1
31	Hard rock	m3	1
<u>Extra over all excavations for carting away</u>			
32	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1
<u>Risk of collapse of excavations</u>			
33	Sides of trench and hole excavations not exceeding 1,5m deep	m2	1
34	Sides of trench and hole excavations exceeding 1,5m deep	m2	1
Carried Forward			R
Section No. 2			
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Brought Forward			R
<u>Keeping excavations free of water</u>			
35	Keeping excavations free of all water other than subterranean water	Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
36	Under floors, steps, pavings, etc	m3	1
37	Backfilling to trenches, holes, etc	m3	1
<u>Earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u>			
38	Under floors, steps, pavings, etc	m3	1
<u>Coarse river sand filling supplied by the contractor</u>			
39	Under floors etc	m3	1
<u>Garden soil filling obtained from the excavations and/or prescribed stockpiles on site (not compacted)</u>			
40	Over site	m3	1
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
41	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1
42	To bottoms and sides of trenches	m2	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Earthworks (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER**

Item
No

SECTION NO. 2

BILL NO. 3

**CONCRETE, FORMWORK AND
REINFORCEMENT**

NOTE : Tenderers are advised to study the Model Preambles for Trades before pricing this bill

NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 110 for JBCC CPAP purposes

SUPPLEMENTARY PREAMBLES

Cost of tests

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 Representative/Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Engineer. (Test cubes are measured separately)

Formwork

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 re-conditioning as necessary before re-use.

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.

Carried Forward

Section No. 2
Bill No. 3
Concrete, Formwork and Reinforcement
**PWRT/2615/26/MP: GENERAL BUILDING
MAINTENANCE FOR EDUCATION,**

Quantity

Rate

Amount

R

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
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Brought Forward			R
Formwork to soffits of solid slabs, etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			

<u>UNREINFORCED CONCRETE</u>			
<u>15MPa/19mm concrete</u>			
1	Surfaces blinding under footings and bases	m3	1
<u>20MPa/19mm concrete</u>			
2	Strip footings	m3	1
3	Surface beds on waterproofing	m3	1
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
4	Surface blinding under footings and bases	m3	1
5	Strip footings	m3	1
6	Surface beds	m3	1
7	Surface beds on waterproofing	m3	1
8	Surface beds cast in panels	m3	1
9	Surface beds cast in panels on waterproofing	m3	1
10	Ramps	m3	1
<u>REINFORCED CONCRETE</u>			
<u>30MPa/19mm concrete</u>			
11	Strip footings	m3	1
Carried Forward			R
Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
12	Bases	m3	1
13	Foundation beams	m3	1
14	Surface beds on waterproofing	m3	1
15	Surface beds cast in panels	m3	1
16	Surface beds cast in panels on waterproofing	m3	1
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>30MPa/19mm concrete</u>			
17	Slabs including beams and inverted beams	m3	1
18	Isolated beams	m3	1
19	Stairs including landings, beams and inverted beams	m3	1
20	Columns in foundations (Provisional)	m3	1
21	Columns	m3	1
<u>TEST BLOCKS</u>			
22	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
23	Surface beds, slabs, etc	m2	1
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>			
24	Surface beds, slabs, etc	m2	1
Carried Forward			R
Section No. 2			
Bill No. 3			
Concrete, Formwork and Reinforcement			
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Brought Forward			R
<u>Finishing top surfaces of concrete smooth with a power float</u>			
25	Surface beds, slabs, etc	m2	1
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough formwork to sides</u>			
26	Foundation beams (Provisional)	m2	1
27	Rectangular stub columns in foundations (Provisional)	m2	1
28	Rectangular columns in foundations (Provisional)	m2	1
29	Rectangular columns	m2	1
30	Beams	m2	1
<u>Smooth formwork to circular columns</u>			
31	500mm Diameter column 3000m high	No	1
<u>Rough formwork to soffits</u>			
32	Slabs propped up not exceeding 1.5m high	m2	1
<u>Rough formwork to sides and soffits</u>			
33	Beams propped up not exceeding 1.5m high	m2	1
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Smooth formwork to sides</u>			
34	Rectangular columns with total height exceeding 1,5m and not exceeding 3,5m above bearing level	m2	1
35	Inverted beams above concrete	m2	1
36	Edges, risers, ends and reveals not exceeding 300mm high or wide circular to exceeding 1m radius	m	1
<u>MOVEMENT JOINTS ETC</u>			
Carried Forward			R
Section No. 2			
Bill No. 3			
Concrete, Formwork and Reinforcement			
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Brought Forward			R
	<u>Saw cut, etc</u>		
37	5mm Saw cut joints in top of concrete	m	1
	<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces</u>		
38	10mm Joints not exceeding 300mm high	m	1
	<u>REINFORCEMENT</u>		
	<u>REINFORCEMENT (PROVISIONAL)</u>		
	<u>Mild steel reinforcement to structural concrete work</u>		
39	40mm Diameter bars	t	1,00
40	32mm Diameter bars	t	1,00
41	25mm Diameter bars	t	1,00
42	20mm Diameter bars	t	1,00
43	16mm Diameter bars	t	1,00
44	12mm Diameter bars	t	1,00
45	10mm Diameter bars	t	1,00
46	8mm Diameter bars	t	1,00
	<u>Fabric reinforcement</u>		
47	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	1
48	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	1
49	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	1
	Carried Forward		R
	Section No. 2		
	Bill No. 3		
	Concrete, Formwork and Reinforcement		
	PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 4</u>			
<u>MASONRY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>BRICKWORK</u>			
<u>Sizes in descriptions</u>			
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
<u>Hollow walls etc</u>			
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixal" bitumen emulsion waterproofing coating.			
<u>Face bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>BLOCKWORK</u>			
Carried Forward		R	
Section No. 2 Bill No. 4 Masonry PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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<p align="center">Brought Forward</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> <p><u>Wall ties for blockwork</u></p> <p>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</p> <p><u>Blockwork</u></p> <p>Blockwork shall comply with SABS 0145 "Concrete Masonry Construction"</p> <p>Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. 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</p> <p><u>Standard complementary blocks</u></p> <p>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</p> <p><u>DECORATIVE BLOCKS</u></p> <p>Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour</p> <p align="center">Carried Forward</p> <p>Section No. 2 Bill No. 4 Masonry PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>	<p align="center">R</p>	

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Brought Forward			R
<u>SAMPLES</u>			
Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site			
<u>FOUNDATIONS</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
1	Piers	m3	1
2	Half brick walls	m2	1
3	Half brick walls in beamfilling	m2	1
4	One brick walls	m2	1
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
5	Piers	m3	1
6	Mass brick walls	m3	1
7	Half brick walls	m2	1
8	Half brick walls circular on plan	m2	1
9	Half brick walls against existing surfaces	m2	1
10	Half brick walls against waterproofing	m2	1
11	Half brick walls against waterproofing circular on plan	m2	1
12	Half brick walls in beamfilling	m2	1
13	Half brick walls in beamfilling circular on plan	m2	1
14	One brick walls	m2	1
Carried Forward			R
Section No. 2 Bill No. 4 Masonry PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
15	One brick walls circular on plan	m2	1
16	One brick walls against existing surfaces	m2	1
17	One brick walls in beamfilling	m2	1
18	One brick walls in beamfilling circular on plan	m2	1
19	One and half brick walls	m2	1
20	One and half brick walls circular on plan	m2	1
21	One and half brick walls against existing surfaces	m2	1
22	Brick-on-edge header course sill laid sloping and slightly projecting	m	1
<u>BRICKWORK SUNDRIES</u>			
<u>Joint forming material in movement joints</u>			
23	10mm Bitumen impregnated soft board built in vertically between / through brick skins	m2	1
<u>Brickwork reinforcement</u>			
24	75mm Wide reinforcement built in horizontally	m	1
25	75mm Wide reinforcement built in horizontally circular on plan	m	1
26	150mm Wide reinforcement built in horizontally	m	1
27	150mm Wide reinforcement built in horizontally circular on plan	m	1
28	230mm Wide reinforcement built in horizontally	m	1
<u>Galvanised hoop iron cramps, ties, etc</u>			
29	30 x 1,6mm Wall tie 500mm long with one end shot pinned to concrete and other end built into brickwork	No	1
<u>FACE BRICKWORK</u>			
Carried Forward			R
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Bill No. 4			
Masonry			
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Brought Forward			R
<u>Face bricks pointed with recessed horizontal and vertical joints to match existing (PC Sum R5 500.00/1000 delivered to site)</u>			
30	Extra over brickwork for face brickwork	m2	1
31	Extra over brickwork for face brickwork circular on plan.	m2	1
32	Extra over brick-on-edge header course sill laid sloping and slightly projecting	m	1
33	Extra over brick-on-edge header course lintel	m	1
34	Cutting toothings and bonding new face brickwork to existing	m2	1
<u>QUARRY TILES</u>			
<u>15mm x 150mm wide quarry tiles on brickwork with continuous joints in both directions and pointed on all exposed surfaces</u>			
35	Carefully remove and set aside for re-use quarry tiles sill and prepare surface to receive new (New quarry tiles elsewhere measured)	m	1
36	Carefully cut out and remove damaged quarry tiles sill and prepare surface to receive new (New quarry tiles elsewhere measured)	m	1
37	150mm Wide sill tiles set flat and slightly projecting	m	1
38	Fix only removed 150mm Wide sill tiles set flat and slightly projecting	m	1
<u>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class 1 mortar including metal fixing lugs etc</u>			
39	Carefully cut out and remove damaged sections of fibre cement sill and prepare surface to receive new (New fibre cement tiles elsewhere measured)	m	1
40	15mm x150mm Wide sills set flat and slightly projecting	m	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 4			
Masonry			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u>			
1	110mm In walls	m	1	
2	230mm In walls	m	1	
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
3	Under surface beds, ramps, pavings, steps e.t.c	m2	1	
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>Two layers 4mm "Derbigum SP" fully bonded waterproofing including turn-ups and turn-downs at edges well jointed to existing.</u>			
4	On flat floors	m2	1	
5	On walls	m2	1	
6	On bottoms and sides of floor ducts, channels, etc	m2	1	
	Carried Forward			R
	Section No. 2 Bill No. 5 Waterproofing PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
7	On bottoms and sides of box gutters	m2	1
8	On bottoms and sides of planter boxes	m2	1
9	Flashing strip not exceeding 300mm girth at turn-ups including sealing top edge into groove with mastic	m	1
<u>PROTECTIVE STONE DRESSING</u>			
<u>25mm Crushed stone dressing evenly spread with larger stones around outlets</u>			
10	50mm Thick on waterproofing to flat roofs	m2	1
<u>20mm River stone pebble dressing evenly spread with larger stones around outlets</u>			
11	50mm Thick on waterproofing to flat roofs	m2	1
<u>PROTECTIVE ROOFING PAINT</u>			
<u>Two coats "Silvakote" bituminous aluminium paint</u>			
12	On waterproofing to roofs	m2	1
13	On waterproofing to box gutters	m2	1
<u>JOINT SEALANTS ETC</u>			
<u>Fosroc Thioflex 600 two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
14	10 x 10mm in vertical/horizontal expansion joints in concrete work/brickwork	m	1
15	10 x 10mm in vertical/horizontal expansion joints in concrete work/brickwork including raking out existing expansion joint filler as necessary	m	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Waterproofing			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>ROOF COVERINGS ETC</u>			
	<u>Sundries</u>			
	<u>Galvanised hoop iron cramps, ties, etc</u>			
1	30 x 1,6mm Metal perforated strip roof tie 1500mm long with one end shot pinned to concrete work / brickwork and other end nailed around roof timber trusses	No	1	
2	1,6mm Truss hangers nailed to fasten timber trusses	No	1	
3	1,6mm Hurricane clips nailed to fasten timber trusses	No	1	
4	150 x 100 x 1,6mm Fasteners nailed to fasten roof timber trusses at joints	No	1	
5	10mm diameter bolt and nut	No	1	
	<u>TILES</u>			
	<u>330 x 420mm "Marley Monarch Designer Range - Verona" or similar to match existing concrete tiles laid on and including underlay of 150 micron "Yellow polyethene" plastic sheeting with 75mm lapped and sealed joints and nailed through underlay with non-corrosive tile nails and/or fixed with suitable non-corrosive clips as required nailed through underlay to 38 x 38mm sawn softwood battens at 300mm centres</u>			
6	Roof covering with pitch not exceeding 25 degrees	m2	1	
7	Ridge tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	1	
8	Hip tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	1	
	Carried Forward			R
	Section No. 2 Bill No. 6 Roof Coverings PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
9	Verge capping tiles to match roofing tiles fixed with non-corrosive fixing accessories	m	1
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0,6mm Corrugated Z275 spelter galvanised sheet steel or similar to match existing profile fixed to timber/steel purlins or rails</u>			
10	Roof covering with pitch not exceeding 25 degrees	m2	1
11	Side cladding	m2	1
12	Ridge capping 450mm girth	m	1
13	Hip capping 450mm girth	m	1
14	Side wall flashing 450mm girth	m	1
15	Head wall flashing 450mm girth	m	1
16	Gable trim 250mm girth	m	1
17	Apex flashing 450mm girth	m	1
<u>0,6mm "zincalume" or similar to match existing Z275 spelter galvanised ribbed sheet steel in single lengths fixed to timber/steel purlins or rails.</u>			
18	Roof covering with pitch not exceeding 25 degrees	m2	1
19	Side cladding	m2	1
20	Ridge capping 450mm girth	m	1
21	Hip capping 450mm girth	m	1
22	Side wall flashing 450mm girth	m	1
23	Head wall flashing 450mm girth	m	1
24	Gable trim 250mm girth	m	1
25	Apex flashing 450mm girth	m	1
Carried Forward			R
Section No. 2			
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Roof Coverings			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
<p><u>0,58mm "Brownbuilt Kliplok 406" spelter galvanised sheet steel with "Globalcoat" finish on one side in single lengths fixed to timber purlins or rails and 0,8mm galvanised sheet steel accessories with "Globalcoat" finish on one side including covering the roof screws with patent plastic covers</u></p>			
26	Roof covering with pitch not exceeding 25 degrees	m2	1
27	Ridge capping 550mm girth	m	1
28	Side wall flashing 408mm girth	m	1
29	Head wall flashing 375mm girth	m	1
30	Apex flashing 550mm girth	m	1
31	Counter flashing 185mm girth	m	1
<p><u>ROOF AND WALL INSULATION</u></p>			
<p><u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u></p>			
32	Insulation laid taut over purlins (at approximately 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	1
<p><u>"Super Sisalation 420" or similar approved heavy duty industrial grade aluminium foil based insulation</u></p>			
33	Insulation laid taut over rafters (at approximately 1100mm centres) and fixed concurrent with purlins, etc	m2	1
<p><u>"Sisalation FR430" fire retardant aluminium foil insulation</u></p>			
34	Insulation laid taut over purlins (at approximately 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	1
Carried Forward			R
<p>Section No. 2 Bill No. 6 Roof Coverings PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER

	Brought Forward		R
35	<p><u>"Isoboard" high density 32-36kg/m3 rigid extruded polystyrene 100% closed cell insulation boarding and tight butt joints</u></p> <p>70mm Thick insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires</p>	m2	1
Carried Forward to Summary of Section No. 2			R
<p>Section No. 2 Bill No. 6 Roof Coverings PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>EAVES , VERGES , ETC</u></p> <p><u>"Everite" pressed nutec-cement</u></p>			
1	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	1	
	Carried Forward			R
	<p>Section No. 2 Bill No. 7 Carpentry and Joinery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

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Brought Forward			R
<u>SKIRTINGS</u>			
<u>Wrought meranti</u>			
2	19 x 76mm Skirting including 19mm quadrant bead nailed	m	1
<u>DOORS ETC</u>			
<u>Wrought meranti</u>			
3	Meranti framed batten external single door (PC R 2200.00/No)	No	1
4	Meranti framed batten external double door (PC R4 250.00/No)	No	1
5	Approved timber framed glazed single door (PC R4650.00/No)	No	1
6	Approved timber framed glazed double door (PC R7250.00/No)	No	1
7	Approved solid core flush single door (PC R2650.00/No)	No	1
8	Approved solid core flush double door (PC R4850.00/No)	No	1
9	Approved semi-solid core flush single door (PC R1 650.00/No)	No	1
10	Approved semi-solid core flush double door (PC R3800.00/No)	No	1
11	Approved Hollow core flush single door (PC R650.00/No)	No	1
12	Approved hollow core flush double door (PC R1550.00/No)	No	1
<u>FITTINGS</u>			
Carried Forward			R
Section No. 2 Bill No. 7 Carpentry and Joinery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
<u>General</u>			
The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc (refer Architect's drawings as attached to the back of these Bills of Quantities)			
<u>Fittings to Classroom Store</u>			
13	Shelving 350mm wide made up of 25mm thick hardwood top and 250 x 250mm high triangular mild steel brackets bolted to wall complete with paint and varnish	m	1
<u>ROOFS ETC</u>			
<u>Plate nailed timber roof truss construction</u>			
14	Truss construction to double pitched roof with hipped or gable ends and 2100mm high extreme including wall plates, trusses, jack rafters, permanent bracing including 38 x 38mm purlins/battens at not exceeding 300mm centres for concrete roof tile covering	m2	1
15	Truss construction to double pitched roof with hipped or gable ends and 2100mm high extreme including wall plates, trusses, jack rafters, permanent bracing including 38 x 52mm purlins/battens at not exceeding 900mm centres for corrugated roofing sheets	m2	1
16	Truss construction to double pitched roof with hipped or gable ends and 2100mm high extreme including wall plates, trusses, jack rafters, permanent bracing including 38 x 52mm purlins/battens at not exceeding 1500mm centres for IBR roofing sheets	m2	1
<u>Sawn softwood</u>			
17	38 x 76mm Wall plates	m	1
18	38 x 114mm Wall plates	m	1
Carried Forward			R
Section No. 2 Bill No. 7 Carpentry and Joinery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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			Brought Forward	R
<u>Sawn softwood grade 4</u>				
19	38 x 76mm Runners (Provisional)	m	1	
20	50 x 76mm Runners (Provisional)	m	1	
21	38 x 114mm Cross bracing (Provisional)	m	1	
22	50 x 152mm Geyser bearers on truss tie beams	m	1	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 7				
Carpentry and Joinery				
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	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 elsewhere			
	<u>CEILINGS ETC</u>			
	<u>"Aerolite" insulation</u>			
1	75mm Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	1	
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>			
2	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres	m2	1	
3	Sloping ceilings including 38 x 38mm sawn softwood branderling at 400mm centres	m2	1	
4	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1	
	Carried Forward			R
	Section No. 2 Bill No. 8 Ceilings, Partitions and Access Flooring PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
<u>"Rhino" gypsum plasterboard cornices</u>			
5	75mm Coved cornices	m	1
<u>SUSPENDED CEILINGS</u>			
<u>Proprietary suspended ceilings</u>			
<p>NOTE: Electrical light fittings, diffusers, panels, etc. generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognizance thereof).</p>			
<u>600 x 600 x 12.5mm "BPB Gyprex White" vinyl clad ceiling panels on "Donn T38" pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc.</u>			
6	Ceilings suspended not exceeding 1m below timber purlins at 1 200mm centres (trusses at 1 177mm centres)	m2	1
<u>1 200 x 600 x 12.5mm "BPB Gyprex White" vinyl clad ceiling panels on "Donn T38" pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc.</u>			
7	Ceilings suspended not exceeding 1m below timber purlins at 1 200mm centres (trusses at 1 177mm centres)	m2	1
<u>600 x 1200mm "AMF Topiq Prime Hygena" ceiling panels on "Donn T38" pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc.</u>			
8	Ceilings suspended not exceeding 1m below timber purlins at 1 200mm centres (trusses at 1 177mm centres)	m2	1
9	Sloping ceilings suspended not exceeding 1m below steel purlins at 1 200mm centres (trusses at 1 200mm centres)	m2	1
Carried Forward			R
<p>Section No. 2 Bill No. 8 Ceilings, Partitions and Access Flooring PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

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Brought Forward			R
	<u>600 x 600mm "AMF Topiq Prime Hygena" ceiling panels on "Donn T38" pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc.</u>		
10	Ceilings suspended not exceeding 1m below timber purlins at 1 200mm centres (trusses at 1 200mm centres)	m2	1
	<u>600 x 1200mm "AMF Thermatex Hygena" acoustic ceiling panels on "Donn T38" pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc.</u>		
11	Ceilings suspended not exceeding 1m below timber purlins at 1 200mm centres (trusses at 1 200mm centres)	m2	1
	<u>Sundries to suspended ceilings (Provisional)</u>		
12	Extra over ceiling for opening for 150mm diameter downlighter	No	1
13	Extra over ceiling for opening for 600 x 600mm opening for light fitting	No	1
14	Extra over ceiling for opening for 600 x 1 200mm opening for light fitting	No	1
	<u>"Donn" cornices to suspended ceilings</u>		
15	"LSM25" pre-painted cornices plugged	m	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
Ceilings, Partitions and Access Flooring			
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 9</u>			
	<u>FLOOR COVERINGS</u>			
	<u>2.5mm "Marley Superflex" or similar to match existing fully flexible vinyl sheeting (with welded joints)</u>			
1	New Vinyl sheeting to match existing where damaged sections of Vinyl floor sheetings had been removed and well bonded to existing	m2	1	
2	New Vinyl sheeting	m2	1	
	<u>300 x 300 x 2.0mm "Marley Superflex" or similar to match existing semi-flexible vinyl tiles</u>			
3	New Vinyl sheeting to match existing where damaged sections of Vinyl floor sheetings had been removed and well bonded to existing	m2	1	
4	New Vinyl sheeting	m2	1	
	<u>SKIRTINGS, NOSING, ETC.</u>			
5	45mm Wide natural anodised aluminium clip-in type floor expansion joint cover	m	1	
6	Fold vinyl 200mm horizontally and turn up against wall for a height of 200mm onto Polyflor PC20 Black coving fillet	m	1	
7	Fold Safe floor vinyl 200mm horizontally and turn up against wall for a height of 200mm onto Polyflor PC20 Black coving fillet	m	1	
	<u>POLISH, SEALERS, ETC</u>			
8	Three coats wax polish on vinyl flooring	m2	1	
9	Scrub with detergent, apply three coats water emulsion floor dressing and buff after	m2	1	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 9			
	Floor Coverings			
	PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 10</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH 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			
	<u>IRONMONGERY</u>			
	<u>HINGES, BOLTS, ETC</u>			
	<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
1	150mm Stainless steel hinges	No	1	
2	Bathroom WC indicator (Red and White) and turnkno. Code: DWC-005	No	1	
3	WC indicator bolt with keep fixed to metal/concrete	No	1	
4	Disabled WC indicator (Red & White) and turnknob for physically impaired. Code: DWC-006	No	1	
5	153mm Flush Bolt With heel (Satin Chrome) CODE : DFB-SC-180	No	1	
6	305mm Flush Bolt With heel (Satin Chrome) CODE : DFB-SC-181	No	1	
7	Adjustable Roller Bolt . Code: DBC-SS-022	No	1	
	Carried Forward			R
	Section No. 2 Bill No. 10 Ironmongery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
8	Single action floor spring hinges	No	1
9	Double action floor spring hinges	No	1
10	Barrel bolt with keep fixed to metal/concrete	No	1
11	Panic bolt for single door with one keep let into concrete	No	1
12	Panic bolt for double door with one keep let into concrete	No	1
<u>CATCHES, CABIN HOOKS, ETC</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
13	Cabin hook 150mm- Code CH 150	No	1
14	Hat and Coat Hook with rubber buffer. Code:DHC-SS-031B	m	1
15	Ball catch	No	1
16	Single roller catch	No	1
17	Double roller catch	No	1
18	Fanlight catch	No	1
19	Fanlight stay	No	1
20	Fanlight friction sliding arm	No	1
21	Fanlight opener with cord and cleat	No	1
<u>LOCKS</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
22	Padlock	No	1
23	Night latch	No	1
24	Bathroom lockset	No	1
Carried Forward			R
Section No. 2 Bill No. 10 Ironmongery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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			Brought Forward		R
25	Three lever deadlock	No	1		
26	Three lever rebated deadlock	No	1		
27	Four lever deadlock	No	1		
28	Four lever rebated deadlock	No	1		
29	Two lever lockset	No	1		
30	Two lever lockset with striking plate fixed to metal/timber	No	1		
31	Two lever rebated lockset	No	1		
32	Three lever lockset	No	1		
33	Three lever lockset with striking plate fixed to metal/timber	No	1		
34	Three lever rebated lockset	No	1		
35	Four lever lockset	No	1		
36	Four lever lockset with striking plate fixed to metal/timber	No	1		
37	Four lever rebated lockset	No	1		
38	Three lever sliding door lock	No	1		
39	Four lever sliding door lock	No	1		
40	Single cylinder deadlock	No	1		
41	Single cylinder rebated deadlock	No	1		
42	Double cylinder deadlock	No	1		
43	Double cylinder rebated deadlock	No	1		
44	Single cylinder lockset	No	1		
45	Single cylinder lockset with striking plate fixed to metal/timber	No	1		
			Carried Forward		R
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Brought Forward			R
46	Single cylinder rebated lockset	No	1
47	Double cylinder lockset	No	1
48	Double cylinder lockset with striking plate fixed to metal/timber	No	1
49	Double cylinder rebated lockset	No	1
50	Single cylinder sliding door lock	No	1
51	Double cylinder sliding door lock	No	1
52	50mm Anvilock waterproof padlock	No	1
53	Stainless steel narrow Stile Sash Lock Operating with European Profile Cylinder. Case dimentions (mm) 174H x 52D. Forend dimentions (mm) 238H x 22W. Backset 35mm. 20mm Throw. Code: D02635 SS	No	1
54	Stainless steel Narrow Stile Dead Lock Operating with European Profile Cylinder. Case dimentions (mm) 174H x 52D. Forend dimentions (mm) 238H x 22W. Backset 35mm. 20mm Throw. Code: D02735 SS	No	1
55	Stainless steel Bathroom Sash Lock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 155H x 22W. Backset 57mm. Centres 57mm. Code: D035S SS	No	1
56	Bathroom Deadlock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 155H x 22W. Backset 57mm. Code: D032D SS	No	1
57	Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm. Code: D036S SS	No	1
58	Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Code:D037D SS	No	1
59	63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keye.: Code: DDC206301 MK	No	1
Carried Forward			R
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Brought Forward			R
60	63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Key.: Code: DKC206301 MK	No	1
61	Narrow Stile Cylinder escutcheon. Code: DCE-105 S.S	No	1
62	Rebate conversion kit for Euro Profile locks D036S, D037D - Code: D038R NP	No	1
63	BTS75 Adjustable size EN 1-4 HOLD OPEN, certified to EN1154, CF 127. DOUBLE ACTION accessories, for 120kg door leaf weight. Adjustable closing and latching speeds, backcheck. [FOR TIMBER DOOR] Components - [Mech/Spindle/7510SS/7421/8062. Code: BTS75 DAT-HO	No	1
<u>HANDLES</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
64	Door flush handle	No	1
65	Door knob	No	1
66	Door pull handle	No	1
67	Set of two door pull handles fixed back to back	No	1
68	Lever handle on a narrow stile rose - latch only code TH120 NS Latch S.S	Sets	1
69	Lever handle on rose - Latch - Code: TH120 Latch S.S	Sets	1
70	Lever handle on 170x170 plate with Cylinder cutout. Code:TH120 BP Cyl S.S	Sets	1
71	Lever handle on 170x170 plate with Bathroom/WC Furniture LH	Sets	1
72	382x32mm D Shaped Offset Tubular Pull Handle BTB (BTB Fixing Sets included) - Code: DPH215 BTB	No	1
73	325x25mm Straight Tubular Pull Handle Flange Fixing. Code: DPH301B	No	1
Carried Forward			R
Section No. 2			
Bill No. 10			
Ironmongery			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
74	Three point locking panic bar - Double door - Door leaf 1000mm wide x 2270mm high (2101. 2104. 2104. 2201. PHX02. PHX04) - Code: PHA3 S DD	No	1
75	75x170x1.2mm thick Grade 430 stainless steel plate. Stainless Steel Plate to have 4 countersunk holes for screw fixing.	No	1
76	150x300x1.2mm thick Grade 430 stainless steel plate. Stainless Steel Plate to have 6 countersunk holes for screw fixing. (Special Order) - Code: DPP-430-BL-SF 150X300	No	1
77	150x300x1.2mm thick Grade 430 stainless steel plate with cylinder cutout right. Stainless Steel Plate to have 6 countersunk holes for screw fixing.(Special Order) - Code: DPP-430-CR-SF 150X300	No	1
78	DPH301C Pull Handle BT fixed on a 75x170x1.2mm thick Grade 430 stainless steel plate with no cylinder cutout. Stainless Steel Plate to have 4 countersunk holes for screw fixing.Code:DHP-430-BL-SF 75X170	No	1
79	DPH301C Pull Handle BT fixed on a 150x300x1.2mm thick Grade 430 stainless steel plate with no cylinder cutout. Stainless Steel Plate to have 6 countersunk holes for screw fixing.(Specaial Order) - Code : DHP-430-BL-SF 150X300	No	1
80	DPH301C Pull Handle BT fixed on a 150x300x1.2mm thick Grade 430 stainless steel plate with cylinder cutout right. Stainless Steel Plate to have 6 countersunk holes for screw fixing. (Special Order) - Code : DHP-430-CR-SF 150X300	No	1
81	62x44mm Ring Flush Pull Handle. Code: DRP-SS-023	m	1
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
82	Aluminium plates not exceeding 0,1m2	No	1
83	Aluminium plates exceeding 0,1m2 but not exceeding 0,3m2	No	1
Carried Forward			R
Section No. 2 Bill No. 10 Ironmongery PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
84	Aluminium plates exceeding 0,3m2 but not exceeding 0,5m2	No	1
85	200x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door) - Code: DKP-430-SF 200	No	1
<u>DOOR CLOSERS</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
86	Door closer	No	1
87	Door closer with bracket	No	1
88	Concealed door closer	No	1
89	Concealed door closer with bracket	No	1
90	EN 3/4 Cam action door closer with standard HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control and backcheck. Standard pull side fixing, transom push-side fixing. EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors) - Code TS90 HO - SL	No	1
91	EN 3/4 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control and backcheck. Standard pull side fixing, transom push-side fixing. EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Not certified on push face). Code: TS90 - SL	No	1
Carried Forward			R
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Brought Forward			R
92	EN 1-4 Rack and pinion door closer with standard NON HOLD OPEN scissor arm and parallel arm bracket. EN1154, certified to ISO 9001. Hydraulic speed control, backcheck and DELAYED ACTION. Standard push side fixing. EN 1 suitable for door width <850mm, EN2 suitable for door width 750-850mm, EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated. Approved to AS1905 Part 1.Code:TS73V DC PA SL	No	1
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
93	Brass or plastic letters/numerals	No	1
94	Perspex plate with engraved or painted letters/numerals/symbols not exceeding 0,1m2	No	1
95	Aluminium plate with engraved or painted letters/numerals/symbols not exceeding 0,1m2	No	1
<u>PELMETS AND CURTAIN TRACKS</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
96	Pressed steel pelmet with single or double curtain tracks including gliders, hangers and brackets	m	1
97	Soffit fixing plastic single or double curtain tracks including gliders, hangers and brackets	m	1
98	Face fixing plastic single or double curtain tracks including gliders, hangers and brackets and make good all works disturbed	m	1
99	Hospital cubicle curtain track including gliders, hangers and brackets	m	1
100	Curtains including track approximately 3m high fixed to ceilings	m	1
101	Extra for end plugged	No	1
Carried Forward			R
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Brought Forward			R
102	Extra for radius bend	No	1
103	Extra for corner	No	1
<u>BATHROOM FITTINGS</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
104	Chromium plated curtain or hanging rail not exceeding 1,0m long	No	1
105	Chromium plated curtain or hanging rail exceeding 1,0m but not exceeding 2,0m long	No	1
106	Chromium plated towel rail not exceeding 1,0m long	No	1
107	Toilet roll holder	No	1
108	Lockable toilet roll holder	No	1
109	Soap holder	No	1
110	Bathroom cabinet	No	1
111	Electric hand-drier	No	1
112	Soap dispenser with bottle code 2120125	No	1
113	Roll paper towel dispenser, dispozer plugged	No	1
114	32mm Type 8 stainless steel side grab rail 900mm girth, plugged	No	1
115	32mm Type 9 stainless back grab rail 800mm long, plugged	No	1
116	Toilet roll holder code 405597, fixed in position	No	1
<u>SUNDRIES</u>			
<u>New Ironmongery fittings, supply and install to be similar and or approved</u>			
117	"AL8730AS" door stop plugged	No	1
Carried Forward			R
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Brought Forward			R
118	Dust Proof Strike- code:DPS-SS-032	No	1
119	Rubber door stop	No	1
<u>STEEL LOCKERS</u>			
<u>"Greenfield Baseline Guardsman" Steel lockers with standard baked enamel finish</u>			
120	"GB002" locker 300 x 450 x 1800mm high	No	1
<u>WRITING BOARDS, PINNING BOARD, ETC</u>			
<u>"Vitrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u>			
121	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2 400 x 1 140mm high complete with aluminium chalk rail, etc, plugged	No	1
122	Vitrex system 1000 folding type white board with wall mounted centre board 4800 x 1140mm high with one centre board 2400 x 1140mm high, two side board 1200 x 1140mm high and two swing leaves each 1200 x 1140mm high plugged	No	1
<u>"Parrot products"</u>			
123	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	1
124	Pinning board type PNBD 1500 x 1200mm overall of 9mm "	No	1
Carried Forward to Summary of Section No. 2			R
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	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>WELDED SCREENS, GATES, ETC</u>			
	<u>Steel gates and frames</u>			
1	Single gate and frame 965 x 2 067mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 813 x 2 032mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrelbolt and padlock	No	1	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1.2mm Double rebated frames suitable for half brick walls</u>			
2	Frame for door 813 x 2 032mm high	No	1	
	Carried Forward			R
	Section No. 2 Bill No. 11 Metalwork PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
<u>1,2mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2 032mm high	No	1
<u>STEEL WINDOWS, DOORS, ETC</u>			
<u>Standard residential windows with type "B2" burglar bars to opening sashes</u>			
4	Window type E7, 1 022 x 654mm high	No	1
5	Window type E4, 1 511 x 654mm high	No	1
<u>Standard industrial windows with type "B1" burglar bars to opening sashes</u>			
6	Window type SS53, 1 616 x 1 445mm high	No	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 12</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Cement plaster screeds wood floated on concrete</u>			
1	25mm Thick Average on floors and landings	m2	1	
	<u>Cement plaster screeds steel trowelled on concrete</u>			
2	25mm Thick Average on floors and landings	m2	1	
	<u>Levelit self leveling screed on concrete</u>			
3	5mm thick on floors and landings	m2	1	
	<u>Moisture barrier</u>			
4	Prepare and apply two coats of "VAPORITE+Plus or similar approved" Moisture barrier to screed	m2	1	
	<u>Epoxy flooring</u>			
5	Sika Sikafloor-261, 2mm Thick colour :RAL 7035 Light Grey application: High-performance, seamless epoxy resin flooring system applied as a smooth, self-levelling coating. Applied in accordance with manufacturer's instructions by an approved contractor using a suitable primer and substrate preparation method compatible with the concrete or screed base. Ensure a uniform finish with no bubbles or imperfections. Surface to be slip-resistant with a light texture finish. Installation to follow traffic flow direction for aesthetic consistency.	m2	1	
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete</u>			
6	25mm Thick Average on floors and landings	m2	1	
	Carried Forward			R
	Section No. 2 Bill No. 12 Plastering			
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Brought Forward			R
<u>Tinted granolithic on concrete</u>			
7	25mm Thick Average on floors and landings	m2	1
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brickwork/concrete</u>			
8	One coat cement plaster on walls or concrete	m2	1
9	On narrow widths	m2	1
<u>EXTERNAL PLASTER</u>			
<u>Cement plaster on brickwork / concrete</u>			
10	One coat cement plaster on walls or concrete	m2	1
11	On narrow widths	m2	1
<u>SUNDRIES</u>			
12	Apply one coat rhinolite plaster to smoothen rough surfaces of plaster and prepare surface to receive painting. (Painting elsewhere measured)	m2	1
13	Apply one coat poly-filler to smoothen rough surfaces of plaster and prepare surface to receive painting. (Painting elsewhere measured)	m2	1
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
14	3 x 25mm Flat section brass weather bar between different floor finishes	m	1
15	3 x 75mm Flat section brass weather bar between different floor finishes	m	1
Carried Forward to Summary of Section No. 2			R
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Bill No. 12			
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>TILING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	<u>WALL TILING</u>			
	<u>200 x 250 x 4.7mm "Johnson" or equal approved glazed ceramic tiles fixed to plastered surfaces with an approved tile adhesive and finish all joints with "ivory 328 t" or equal approved epoxy grout, all strictly to manufacturer's specification (at a purchase price of R150.00/m2 excluding VAT and waste allowance but including delivery to site</u>			
1	On walls	m2	1	
2	On walls in isolated panels, splashbacks, etc	m2	1	
3	On narrow widths	m2	1	
	<u>FLOOR TILING</u>			
	Carried Forward			R
	Section No. 2 Bill No. 13 Tiling PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
	<p><u>Grade 1 acid resisting 600mm x 600mm anti-slip full bodied porceline tile, 8mm thick and of load group 4, but of sizes available in the market and of approved colour by architect, all bedded to a true and even surface in 3:1 cement mortar and with joints not exceeding 8mm wide. PATTERN:Lay at 90 degree angle as per detail drawings. Please note: Polysulphide joints every 9m². GROUTING:TAL Wall & floor grout Colour:Dove Grey for floor tiles and skirting. (at a purchase price of R250.00/m2 excluding VAT and waste allowance but including delivery to site</u></p>		
4	On floors and landings	m2	1
5	100mm High skirting	m	1
	<p><u>300 x 300mm x 10mm Ceramic tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u></p>		
6	On floors and landings	m2	1
7	Skirting 100mm high	m	1
	<p><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></p>		
8	White PVC round edge trims	m	1
	<p>Carried Forward to Summary of Section No. 2</p>		R
	<p>Section No. 2 Bill No. 13 Tiling</p>		
	<p>PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 14</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>"Polycop" polypropylene pipes:</u>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<u>"Polylink" polypropylene pipes:</u>			
Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints			
Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured			
Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers			
Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers			
Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same			
Carried Forward			R
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All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions

All pipe diameters are nominal external

Concrete pipes:

Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings

Vitrified clay pipes:

Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

uPVC pipes and fittings:

Soil, waste and vent pipes and fittings shall be solvent weld jointed

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

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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

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

Lead pipes and fittings

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

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

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

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<p style="text-align: center;">Brought Forward</p> <p><u>Septic tanks</u></p> <p>Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions</p> <p><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>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 clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p>	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>	R	

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<u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u>			
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable			
<u>Waste unions</u>			
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings			
<u>Steel sectional water tanks</u>			
Tanks shall comply with SABS CKS 114			
<u>"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.</u>			
Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described			
Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc			
<u>RAINWATER DISPOSAL</u>			
<u>0.6mm Galvanised sheet iron with chromadek finish</u>			
1	100 x 125mm Galvanised gutter fixed to rafter feet	m	1
2	Extra on 100 x 125mm square gutter for stop ends	No	1
3	Extra on 100 x 125mm square gutter for outlet to 60mm diameter downpipe	No	1
4	60mm diameter rainwater downpipe	m	1
5	Extra on 60mm rainwater downpipe for shoe	No	1
6	Extra over 60mm rainwater pipe for eaves offset	No	1
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		Brought Forward		R
		<u>"Fullbore" cast iron outlets</u>		
7	76mm diameter 90 Degree side outlet	No	1	
		<u>Sundries</u>		
8	50mm diameter x 300mm long galvanised mild steel spout	No	1	
		<u>SANITARY FITTINGS (to be similar or approved)</u>		
		<u>New sanitary fittings, to be similar or approved, etc including connecting pipes to fittings and making good floor and wall finishes</u>		
9	Vaal or similar approved 610 x 400mm wash hand basin (product code 703800) bolted to wall 900mm from finished floor level with two 10mm bolts (product code 8448ZO)	No	1	
10	Vaal or similar approved 510 x 405mm rounder Hibiscus wash hand basin colour: white vitreous china rounded basin with two tapholes; integrated overflow (product code 7050). No chainstay hole. Bolted to the wall with two 10mm bolts (product code 8448ZO) @ 840mm to the top of the back of the basin from the slab UFFL	No	1	
11	Vaal Sanitaryware Hibiscus Washdown suite white vitreous china close coupled comprising 90 degrees outlet rim washdown pan (Product code 772654) complete with 6/3 litre cirsten with top dual flushing system (Product code 772656) including lid and fitments, also including heavy duty seat Jazz thermostat toilet seat (code 8531ZO)	No	1	
12	Pearl 'Paraplegic' semi close couple suite (Product code 7300SC) white vitreous china 90 degrees outlet pan (Product code 7300SC) with 9 Litre cirsten complete with lid, fitments and purpose Chrome plated side-flush lever complete with purpose made urea seat and cover plate	No	1	
		Carried Forward		R
Section No. 2				
Bill No. 14				
Plumbing and Drainage (Provisional)				
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,				

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Brought Forward			R
13	Urinal VAAL LAVATERA code 705427 - white vitreous china wall hung urinal – 600x385x380mm - with concealed back inlet supplied complete with 38mm c.p. domical grating (code 8787), c.p. back inlet spreader (code 7042Z0) & two hangar brackets (code 8127Z0). Lip of urinal to be installed at 650mm height.	No	1
14	Urinal Separator 150x320x630 white-Lecico	No	1
15	Pedestal only	No	1
16	WC pan only	No	1
17	WC pan with cistern	No	1
18	WC pan with flush valve	No	1
19	Cistern and internal flushing mechanism	No	1
20	Cistern only	No	1
21	Cistern internal flushing mechanism only	No	1
22	WC seat and cover	No	1
23	WC pan connector	No	1
24	Wall hung urinal with flush valve	No	1
25	Urinal flush valve	No	1
<u>Grade 304 (18/10) stainless steel 1.6mm thick</u>			
26	Franke single end bowl stainless steel 18/10 inset sink (product code Curvline CVN611) size 860 x 435mm wide fitted onto worktop complete	No	1
27	Franke Rondo preparatory basin 405 diameter x 145mm Deep. Code: 820062	No	1
Carried Forward			R
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Brought Forward			R
28	Franke Citimetal Stainless steel wash hand basin (product code WB001) – 520 x 432mm; one piece pressed; manufactured from Grade 18/10 stainless steel without splash-back and tiling key mounted at 900mm above finished floor level. Please note: basin installed to brick wall on 19mm square galvanized gallow brackets welded to basin as supplied by Franke Kitchen Systems	No	1
29	Franke Luxtub stainless steel (grade 304 18/100 drop-on washtrough (Product code Model LDL) 500 x 600mm fitted to wall on one pair of Frake Falcon brackets	No	1
30	Fanke Model EC 6 or equal approved Combination bedpan and wash up sink size 244 x 685mm with double bowl complete with the cobra FM 1.00 flush valve, CP 171/041 pillar mixer with over-arm swivel spout, CP297 pillar mixer with retractable hand spray and 2No. 15mm quarter turn elbow action valves	No	1
31	Franke Model CH or equal approved slop hopper (Code 351350), size 540 x 540 x 415mm, 100mm high integral splashback, 110mm waste outlet connect to S or P Cobra FM 1,00 flush valve connected to 35mm water supply, hinge bucket grid fitted over funnel, fixed to wall with 2No. 40 x 40mm square stainless steel gallow brackets bolted with 4No. anchor bolts 600mm from finished floor level.	No	1
<u>"Bath"</u>			
32	"SKU 002178" Plumblik Plexicor 1800 x 750mm President Bath & handles colour to be white or match existng	No	1
<u>WASTE UNIONS ETC</u>			
33	32mm Bath overflow	No	1
34	32mm Basin waste	No	1
35	32mm waste	No	1
36	38mm Bath or sink waste	No	1
<u>TRAPS ETC</u>			
Carried Forward			R
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Brought Forward			R
	<u>"Marley" or Similar approved</u>		
37	32mm Reseal "P" or "S" trap	No	1
38	40mm Bath trap complete with overflow outlet and pipe	No	1
39	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	1
	<u>"Vulcathene" or Similar approved</u>		
40	40mm Anti-vac bottle trap	No	1
	<u>"Approved" Chromium plated</u>		
41	40mm Chrome plated Bottle trap	No	1
	<u>"Cobra Watertech" or Similar approved</u>		
42	75mm Chrome Plated hinged urinal domical grating	No	1
<u>TAPS, VALVES, ETC</u>			
	<u>Brass</u>		
43	Stopcock	No	1
44	Fullway gate valve	No	1
	<u>"Cobra Watertech" or Similar approved</u>		
45	Cobra watertech medical mixer (product code: 515/055-21 wall mounted OR 515-21 Pillar mixer) & P-WS/6 water saving aerator: chrome plated 15mm Elbow action wall type with ¼ turn ceramic disk head parts, bent inlet connections at 178mm fixed centers, wall flanges and swan nek outlet (product code S-044). The underside of spout to be installed 300mm above rim of basin.	No	1
Carried Forward			R
Section No. 2			
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Brought Forward			R
46	Cobra watertech Medical (product code 505-21B) pillar taps (hot & cold water) – square pattern – elbow action; with ¼ turn ceramic disk head part and Blue indicator for cold water applications and flanged backnut; chrome plated. Provide P-WS/6 water-saving aerator/tap. 2x 832/350F angle regulating valve, including 350mm flexi hose. NOTE: The cold water should be closest to the toilet.	No	1
47	Cobra watertech Chrome Plated star hose bibtap (Product code 107EC-15)	No	1
48	Cobra watertech chrom plated carina sink mixer wall type (Product code 166/041CA) with S-041 overarm swivel outlet, adjustable wall flanges and exposed connections adjustable from 123mm to 232mm centres	No	1
49	Cobra Watertech NOKA Basin Mixer Tap NA-952 and and P-Water saving aerator complete with chrome plated basin waste	No	1
50	Angle regulating valve 832/350F and 350mm flexi hose	No	1
51	Cobra Watertech chrome plated Anti-theft plug (Product Code 309-40)	No	1
52	Cobra watertech chrome plated FJ6000 Junior flushmaster exposed type with ball-o-stop and wall flange complete with FJT 5.4 Urinal connection pipe and head	No	1
53	Cobra hose bibtap code: 209/1-15x3/4	No	1
54	Chrome Plated angle regulating valve	No	1
55	Chrome Plated stopcock	No	1
56	Chrome Plated "Star" underwall pattern stopcock	No	1
57	Fullway gate valve	No	1
58	Bibcock	No	1
59	Bibcock with hose union	No	1
60	Chrome Plated bibcock	No	1
Carried Forward			R
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			Brought Forward		R
61	Chrome Plated pillarcock	No		1	
62	Chrome Plated single taphole basin mixer	No		1	
63	Chrome Plated bath mixer	No		1	
64	Chrome Plated bath mixer with hand shower	No		1	
65	Chrome Plated shower mixer	No		1	
66	Chrome Plated bath spout	No		1	
67	Chrome Plated shower rose	No		1	
68	Chrome Plated overhead shower arm	No		1	
69	In-line strainer	No		1	
70	Chrome Plated fullway ballcock	No		1	
71	Fullway ballcock	No		1	
72	PB1.10RB vacuum breaker	No		1	
73	PA1.1RB "Kwikflo" 400 kPa pressure reducing valve	No		1	
74	"Flushmaster" toilet flush valve	No		1	
<u>SANITARY PLUMBING</u>					
<u>uPVC Pipes</u>					
75	40mm Diameter pipes	m		1	
76	50mm Diameter pipes	m		1	
77	110mm Diameter pipes	m		1	
<u>Extra over for uPVC for fittings</u>					
78	40mm Bend	No		1	
79	50mm Bend	No		1	
			Carried Forward		R
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Brought Forward			R
80	110mm Bend	No	1
81	40mm Junction	No	1
82	50mm Junction	No	1
83	110mm Junction	No	1
84	40mm Inspection junction	No	1
85	50mm Inspection junction	No	1
86	110mm Inspection junction	No	1
87	50mm Reducing junction	No	1
88	110mm Reducing junction	No	1
89	110mm Pan connector	No	1
90	110mm "GI Two way" vent valve	No	1
91	50mm "GI Two way" vent valve	No	1
<u>HOT AND COLD WATER SERVICES</u>			
<u>Class 1 copper (hard drawn) pipes</u>			
92	15mm Pipes to walls, etc	m	1
93	22mm Pipes to walls, etc	m	1
94	28mm Pipes to walls, etc	m	1
95	35mm Pipes to walls, etc	m	1
<u>Extra over class 1 copper (hard drawn) pipes for capillary fittings</u>			
96	15mm Fittings	No	1
97	22mm Fittings	No	1
98	28mm Fittings	No	1
Carried Forward			R
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				R
Brought Forward				
99	35mm Reducer	No	1	
100	35mm Elbow	No	1	
101	35mm Tee	No	1	
<u>Precast concrete</u>				
102	Precast concrete gulley, overall size 430 x 440mm, bedded and jointed in Class II motar and pointed on all exposed faces.	No	1	
<u>TESTING-</u>				
103	Testing water pipe system		Item	
104	Testing sewer/waste pipe system		Item	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 15</u>			
	<u>GLAZING</u>			
	<u>GLAZING TO METAL / WOOD WITH PUTTY OR BEADS</u>			
	<u>4mm Clear float glass</u>			
1	Panes not exceeding 0,1 m2	m2	1	
2	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1	
3	Panes exceeding 0,5m2 and not exceeding 2m2	m2	1	
4	Panes exceeding 2m2 and not exceeding 4m2	m2	1	
	<u>4mm Patterned glass</u>			
5	Panes not exceeding 0,1 m2	m2	1	
6	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1	
7	Panes exceeding 0,5m2 and not exceeding 2m2	m2	1	
8	Panes exceeding 2m2 and not exceeding 4m2	m2	1	
	<u>6mm Georgian wired rough cast glass</u>			
9	Panes not exceeding 0,1 m2	m2	1	
10	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1	
11	Panes exceeding 0,5m2 and not exceeding 2m2	m2	1	
12	Panes exceeding 2m2 and not exceeding 4m2	m2	1	
	<u>6mm Clear toughened safety glass</u>			
13	Panes not exceeding 0,1 m2	m2	1	
	Carried Forward		R	
	Section No. 2			
	Bill No. 15			
	Glazing			
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Brought Forward			R
14	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1
15	Panes exceeding 0,5m2 and not exceeding 2m2	m2	1
16	Panes exceeding 2m2 and not exceeding 4m2	m2	1
<u>MIRRORS, ETC</u>			
<u>New Works</u>			
<u>6mm Silvered float glass copper backed mirrors with 10 mm bevelled and polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
17	Mirror 450 x 450 mm high	No	1
18	Mirror 450 x 600mm high	No	1
19	Mirror 450 x 900mm high	No	1
20	Mirror 450 x 1200mm high	No	1
21	Mirror 600 x 600mm high	No	1
22	Mirror 600 x 900mm high	No	1
23	Mirror 600 x 1200mm high	No	1
24	Mirror 600 x 1500mm high	No	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 15			
Glazing			
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 16</u>			
	<u>PAINTWORK</u>			
	<u>PREPARATORY WORK TO EXISTING WORK</u>			
	<u>Previously painted plastered surfaces</u>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<u>Previously painted metal surfaces</u>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<u>Previously painted wood surfaces</u>			
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
	<u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u>			
	Note: All paintwork to be "Dulux" or similar approved product			
	<u>On Floated Plaster</u>			
	<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
1	On internal walls	m2	1	
2	On external walls	m2	1	
	Carried Forward			R
	Section No. 2 Bill No. 16 Paintwork PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
3	On ceilings and beams	m2	1
4	On ceilings and cornices	m2	1
5	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Smooth Concrete</u>			
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
6	On internal walls	m2	1
7	On external walls	m2	1
8	On ceilings and beams	m2	1
9	On ceilings and cornices	m2	1
<u>On Fair Faced Brickwork</u>			
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
10	On internal walls	m2	1
11	On external walls	m2	1
<u>Prepare and apply two coats brick dressing on</u>			
12	Existing surfaces of face brickwork	m2	1
<u>On Plaster Board</u>			
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
13	On ceilings and cornices	m2	1
14	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Fibre-Cement</u>			
Carried Forward			R
Section No. 2 Bill No. 16 Paintwork PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
15	On ceilings and cornices	m2	1
16	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Metal</u>			
<u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u>			
17	On doors	m2	1
18	On door frames	m2	1
19	On windows (both sides measured flat)	m2	1
20	On windows with burglar bars (both sides measured flat)	m2	1
<u>On Wood</u>			
<u>Prepare and apply one coat wood primer, one undercoat and one finishing coat alkyd enamel paint in colours which have a value of 7 or less on the Munsell system in accordance with SABS 1091</u>			
21	On boarded panelling	m2	1
22	On boarded ceilings	m2	1
23	On doors	m2	1
24	On windows, sash doors and fanlights	m2	1
25	On door frames etc	m2	1
26	On roof timbers at eaves and verges	m2	1
27	On skirtings, rails, etc not exceeding 300 mm girth	m	1
Carried Forward			R
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Brought Forward			R
<u>PAINTWORK ETC TO NEW WORK</u>			
Note: All paintwork to be "Dulux" or similar approved product			
<u>On Floated Plaster</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint to match existing</u>			
28	On internal walls	m2	1
29	On external walls	m2	1
30	On ceilings and beams	m2	1
31	On ceilings and cornices	m2	1
32	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Smooth Concrete</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint to match existing</u>			
33	On internal walls	m2	1
34	On external walls	m2	1
35	On ceilings and beams	m2	1
36	On ceilings and cornices	m2	1
<u>On Fair Faced Brickwork</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint to match existing</u>			
37	On internal walls	m2	1
38	On external walls	m2	1
Carried Forward			R
Section No. 2			
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Brought Forward			R
<u>Prepare and apply "Drikote Sealer" or similar approved clear sealing compound in accordance with manufacturer's instructions on:</u>			
39	Surfaces of face brickwork to match existing	m2	1
<u>On Plaster Board</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint to match existing</u>			
40	On ceilings and cornices	m2	1
41	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Fibre-Cement</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint to match existing</u>			
42	On ceilings and cornices	m2	1
43	On fascias and barge boards not exceeding 300 mm girth	m	1
<u>On Metal</u>			
<u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u>			
44	On doors	m2	1
45	On door frames	m2	1
46	On windows (both sides measured flat)	m2	1
47	On windows with burglar bars (both sides measured flat)	m2	1
<u>On Wood</u>			
Carried Forward			R
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Brought Forward			R
<u>Prepare and apply one coat wood primer, one undercoat and one finishing coat alkyd enamel paint in colours which have a value of 7 or less on the Munsell system in accordance with SABS 1091</u>			
48	On boarded panelling	m2	1
49	On boarded ceilings	m2	1
50	On doors	m2	1
51	On windows, sash doors and fanlights	m2	1
52	On door frames etc	m2	1
53	On roof timbers at eaves and verges	m2	1
54	On skirtings, rails, etc not exceeding 300 mm girth	m	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
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Paintwork			
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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	WATER RETICULATION (PROVISIONAL)			
	STANDARD PREAMBLES			
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill			
	WATER SUPPLIES			
	HDPE Type PE100 PN12.5 pipes to comply with SABS ISO 4427 (in minimum 12m lengths) with butt-welded joints			
1	40mm Pipes laid in and including trenches not exceeding 1m deep	m	1	
2	50mm Pipes laid in and including trenches not exceeding 1m deep	m	1	
3	75mm Pipes laid in and including trenches exceeding 1m and not exceeding 1.5m deep	m	1	
	Extra over HDPE pipes for butt-welded fittings			
4	40 x 20mm Reducer	No	1	
5	50 x 40mm Reducer	No	1	
6	40mm Elbow	No	1	
7	50mm Elbow	No	1	
8	40mm 90 degree bend	No	1	
9	50mm 90 degree bend	No	1	
10	40mm Tee	No	1	
11	50mm Tee	No	1	
12	40mm Adaptor coupling	No	1	
	Carried Forward			R
	Section No. 3 Bill No. 1 Water Reticulation (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
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Brought Forward				R
13	50mm Adaptor coupling	No	1	
HDPE Type PE100 PN10 sleeve pipes to comply with SABS ISO 4427 with butt welded joints				
14	110mm Pipes (no excavation)	m	1	
Extra over HDPE pipes for butt welded fittings				
15	40mm Elbow	No	1	
16	50mm Elbow	No	1	
Taps, valves, etc				
17	20mm Brass garden tap with hose connection	No	1	
18	25mm 1001/125RB full way gate valve	No	1	
19	40mm 1001/125RB full way gate valve	No	1	
Class 9 uPVC pressure pipes				
20	25mm Pipes laid in and including trenches not exceeding 1m deep, bedding, backfilling, compaction and disposal of excavated material	m	1	
21	25mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep, bedding, backfilling compaction and disposal of excavated material	m	1	
22	50mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep, bedding, backfilling compaction and disposal of excavated material	m	1	
Extra over uPVC pressure pipes for uPVC solvent welded pressure fittings				
23	25mm x 90 degrees bend	No	1	
24	25mm Tee	No	1	
25	25mm Steel to HDPE adaptor	No	1	
26	25mm Copper to HDPE adaptor	No	1	
Carried Forward				R
Section No. 3				
Bill No. 1				
Water Reticulation (Provisional)				
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Brought Forward			R
Galvanized steel pipes			
27	20mm Stand pipes	m	1
Sundries			
28	150 x 150mm Cast iron stopcock box, including brick chamber below exceeding 500mm and not exceeding 750mm deep internally	No	1
29	530 x 530mm Valve chamber exceeding 750mm and not exceeding 1000mm deep internally including cover and frame	No	1
Water Meters			
Supply into storage Kent water meters with threaded male ends and incorporating an integral non-return valve and strainer, including for accompanying valve boxes.			
30	b. 75mm ND Bulk Water Meter	No	1
Testing			
31	Testing water and fire service pipe system		Item
FIRE APPLIANCES, PEDESTALS, ETC.			
Fire appliances etc			
32	80 x 65mm Brass right angle hydrant valve with cap and chain	No	1
Fire hydrant pedestals			
33	25MPa/19mm Reinforced concrete hydrant pedestal 1960mm high cast around vertical pipe with bottom 1260mm below ground, 440 x 440mm square at base and tapering to octagonal shaped top 240 x 240mm overall, including necessary excavation, formwork, reinforcement and two coats of paint to exposed surfaces	No	1
STORAGE WATER TANK			
Carried Forward			R
Section No. 3 Bill No. 1 Water Reticulation (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
Water Tank etc.			
34	Supply and install SABS approved 5000L JOJO Water storage tank complete with all necessary fittings	No	1
35	Submissible Pump for 5 000L JOJO Tank (elsewhere) complete with Water level Control and Tank alert system	No	1
Booster Pump			
36	Allow a provisional sum for Booster Pump Cage to Engineers details	No	1
37	Allow a provisional sum for a Precast concrete cover to Borehole	No	1
Valves			
38	Float valve in Water storage tank	No	1
Water Tank Plinth			
39	Supply and install complete 5m high steel tank stand for 5000 Litres prefabricated tank (elsewhere)	No	1
40	Allow for the construction of Water Tank concrete Plinth (Provisional)	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 1			
Water Reticulation (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	SEWERS (PROVISIONAL)			
	STANDARD PREAMBLES			
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill			
	SOIL DRAINAGE			
	Heavy duty uPVC pipes			
1	110mm Pipes laid in and including trenches not exceeding 1m deep, bedding, backfilling, compaction and disposal of excavated material	m	1	
2	160mm Pipes laid in sleeve pipes (sleeve pipes elsewhere) (no excavation)	m	1	
3	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep, bedding, backfilling, compaction and disposal of surplus excavated material	m	1	
4	160mm Pipes laid in and including trenches not exceeding 1m deep, bedding, backfilling, compaction and disposal of excavated material	m	1	
5	uPVC cleaning eye fitted to end of 110mm earthenware pipe with 300 x 300mm cast iron cover and frame placed over cleaning eye including concrete surround finished smooth	No	1	
6	100mm uPVC pipe, raking or vertical to cleaning eye	m	1	
	Extra over heavy duty uPVC pipes for fittings			
7	110mm Bend	No	1	
8	110mm tee Junction	No	1	
	Carried Forward			R
	Section No. 3 Bill No. 2 Sewer Reticulation (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward			R
9	110mm "Y" Junction	No	1
10	160mm Bend	No	1
11	160 x 110mm Reducer	No	1
12	Extra over 100mm uPVC pipe for 100mm junction with I.E	No	1
13	Extra over 110mm pipe for Permanent stoppers	No	1
14	110mm Gulley "P" trap	No	1
15	190 x 110mm Gulley head and grating	No	1
16	110mm Rodding eye	No	1
INSPECTION CHAMBERS			
Brick inspection chamber including precast concrete cover slabs (covers elsewhere) and channels in benching			
17	1830 x 1830mm Inspection chamber not exceeding 1000mm deep internally	No	1
18	1830 x 1830mm Inspection chamber exceeding 1000mm and not exceeding 2000mm deep internally	No	1
19	1830 x 1830mm Inspection chamber exceeding 2000mm and not exceeding 3000mm deep internally	No	1
Cast iron covers, etc			
20	Double seal manhole cover and frame type 2A as per SANS 1882	No	1
21	Lifting-key for manhole cover	No	1
Precast concrete gulleys			
22	Precast concrete gulley with 100mm outlet	No	1
Carried Forward			R
Section No. 3			
Bill No. 2			
Sewer Reticulation (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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		Brought Forward		R
Sundries				
23	300x300x50mm Precast concrete inspection eye marker slab set in ground	No	1	
MANHOLE COVERS ETC				
Covers, etc				
24	900x900mmx 82kg Type 9B cast iron single seal manhole cover	No	1	
25	Lifting key for manhole cover	No	1	
<p align="center">Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Bill No. 2 Sewer Reticulation (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>				<hr/> R <hr/>

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 3</u></p> <p>STORMWATER DRAINAGE (PROVISIONAL)</p> <p>STANDARD PREAMBLES</p> <p>The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill</p> <p>Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation</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 and for bulking</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days</p>			
1	V-shaped channel 500mm wide x 100mm thick with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 1800mm long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound including all necessary excavation and formwork	m	1	
	Carried Forward			R
	<p>Section No. 3 Bill No. 3 Stormwater Drainage (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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	Brought Forward			R
2	Triangular shaped concrete spill basin size 1080mm at head, 2440mm at base end and 1209mm along the sides, formed of 200mm thick concrete base with concrete upstand size 200 x 200mm high along two sides and 200 x 200mm footing along base end including all necessary excavation, formwork and backfilling, the top of the base inlaid with eleven hard burnt clay bricks protruding 55mm above the surface of the concrete and loose stones of 150 to 200mm diameter placed at the base of the spill basin for a width of 500mm	No	1	
	<p align="center">Carried Forward to Summary of Section No. 3</p> Section No. 3 Bill No. 3 Stormwater Drainage (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			R

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Item No	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p>			
<p><u>BILL NO. 4</u></p>			
<p><u>PARKING AND PAVING (PROVISIONAL)</u></p>			
<p>STANDARD PREAMBLES</p>			
<p>The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill</p>			
<p>SUPPLEMENTARY PREAMBLES</p>			
<p>The following Standardized Specifications form part of this Bill</p>			
<p>SABS 1200B - (Bedding pipes, etc) SABS 1200C - (Site clearance SABS 1200DA - (Earthworks (small works) SABS 1200DM - (Earthworks (roads, sub grade) SABS 1200GA - (Concrete (small works) SABS 1200M - (Roads (general) SABS 1200MK - (Kerbstones and channels) SABS 1200MM - (Ancillary road works)</p>			
<p>Measurement and payment</p>			
<p>All measurement and payment clauses as prescribed in the above Standardized Specifications shall not apply to the work as set out in this Bill.</p>			
<p>General</p>			
<p>These Specifications were drawn up to cover all activities normally encountered on any of the above mentioned civil engineering work and details may therefore be encountered which will not apply to this Contract.</p>			
<p>These specifications are not issued with this document but are obtainable from the South African Bureau of Standards, Private Bag X191, Pretoria 0001.</p>			
<p align="right">Carried Forward</p>		R	
<p>Section No. 3 Bill No. 4 Paving and Roadworks (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

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Brought Forward		R
Attached Specifications at the back of these bills of quantities		
PA10 PA12		
DESCRIPTIONS		
The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described		
MAINTENANCE PERIOD		
The maintenance period for the following work shall be 12 calender months		
<u>PAVINGS, WALKWAYS , ETC</u>		
<u>PRECAST CONCRETE</u>		
1	60mm Thick 25MPa precast concrete interlocking block paving of 220 x 97mm grey paving blocks in accordance with SABS Specification 1058 and laid to falls on sand layer (elsewhere) with joints filled in with sand and vibrated, including all straight cutting	m2 1
2	80mm Thick 25MPa precast concrete interlocking block paving of 220 x 97mm grey paving blocks in accordance with SABS Specification 1058 and laid to falls on sand layer (elsewhere) with joints filled in with sand and vibrated, including all straight cutting	m2 1
3	Extra for edge blocks	m 1
4	Precast concrete semi vertical kerbing to SABS 927 Fig. 3 in 1000mm lengths with 10mm wide butt joints filled in with (2:1) cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5000mm centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide, 20MPa/19mm mass concrete haunching size 225mm long x 225mm high x 150mm thick at joints, any necessary excavation, formwork, etc. and backfilling at back of kerbs, topsoiled and levelled to adjacent surfaces	m 1
Carried Forward		R
Section No. 3 Bill No. 4 Paving and Roadworks (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

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Brought Forward			R
5	Ditto, but circular on plan to radius not exceeding 4000mm	m	1
6	Extra for 15MPa/19mm mass concrete infill at T-junction of mountable kerb with circular barrier kerb	m	1
<u>ROAD MARKINGS AND SIGNS</u>			
<u>Road marking paint:</u>			
7	a) 100mm White lines (broken or unbroken)	m	1
8	b) 150mm Yellow lines (broken or unbroken)	m	1
9	c) White lettering and symbols	m2	1
10	d) Yellow lettering and symbols	m2	1
11	e) Transverse lines, painted island and arrestor bed markings (any colour)	m2	1
12	f) Sign for the disability 1200mm	No	1
13	g) STOP sign set 2500mm long	Sets	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
Paving and Roadworks (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 5</u>			
	<u>FENCING</u>			
	STANDARD PREAMBLES			
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill			
	DESCRIPTIONS			
	The Tenderer is referred to the previous Section and the previous and successive Bills in this Section for preambles and full descriptions of materials and items described in this Bill, which will apply equally to the work in this Bill unless otherwise described			
	<u>REMOVAL OF EXISTING WORKS, ETC</u>			
	<u>Taking down and removing</u>			
1	Diamond mesh fence 1.8m high with steel posts and droppers	m	1	
2	Diamond mesh fence 2.4m high with steel posts and droppers	m	1	
3	Diamond mesh fence 3.0m high with steel posts and droppers	m	1	
4	Steel palisade fence 1800mm high with posts, etc	m	1	
5	Steel palisade fence 2400mm high with posts, etc	m	1	
6	Steel palisade fence 3000mm high with posts, etc	m	1	
	Carried Forward			R
	Section No. 3 Bill No. 5 Fencing (Provisional)			
	PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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		Brought Forward		R
7	1m x 1.8m high steel gate	No	1	
8	1m x 2.4m high steel gate	No	1	
9	1m x 3.0m high steel gate	No	1	
10	6m x 1.8m high steel gate	No	1	
11	6m x 2.4m high steel gate	No	1	
12	6m x 3.0m high steel gate	No	1	
<u>STEEL PALISADE FENCING</u>				
Welded steel palisade security fencing with posts encased in concrete footings				
13	Palisade security fencing in 1.8m high x 3m long panels made of 60 x 60 x 5mm slotted channels top and bottom rails , filled in vertically with 30 x 30 x 3mm hot rolled angle palisades 3m long at 150mm centres, panels fixed to 76 x 76 x 3mm posts with devils fork end at the top and bottom cast into concrete bases 500 x 500 x 600mm thick (elsewhere).	m	1	
14	Palisade security fencing in 2.4m high x 3m long panels made of 60 x 60 x 5mm slotted channels top and bottom rails , filled in vertically with 30 x 30 x 3mm hot rolled angle palisades 3m long at 150mm centres, panels fixed to 76 x 76 x 3mm posts with devils fork end at the top and bottom cast into concrete bases 500 x 500 x 600mm thick (elsewhere).	m	1	
Carried Forward				R
Section No. 3				
Bill No. 5				
Fencing (Provisional)				
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,				

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Brought Forward			R
15	Palisade security fencing in 3.0m high x 3m long panels made of 60 x 60 x 5mm slotted channels top and bottom rails , filled in vertically with 30 x 30 x 3mm hot rolled angle palisades 3m long at 150mm centres, panels fixed to 76 x 76 x 3mm posts with devils fork end at the top and bottom cast into concrete bases 500 x 500 x 600mm thick (elsewhere).	m	1
Gates, screens, etc.			
16	Single gate 1500 x 1800mm high of 50 x 50 x 2mm hollow section frame and 50 x 50 x 2mm hollow section horizontal middle rail, filled in with vertical cold rolled steel "C" channels of varying sizes 76 x 38 x 3mm, 50 x 25 x 2mm and 25 x 25 x 2mm; barfitted with a pair of 25mm diameter x 80mm long pin hinges welded to post; Secure lockbox for and including 5 lever lockset with deadbolt.	No	1
17	Single gate 1500 x 2400mm high of 50 x 50 x 2mm hollow section frame and 50 x 50 x 2mm hollow section horizontal middle rail, filled in with vertical cold rolled steel "C" channels of varying sizes 76 x 38 x 3mm, 50 x 25 x 2mm and 25 x 25 x 2mm; barfitted with a pair of 25mm diameter x 80mm long pin hinges welded to post; Secure lockbox for and including 5 lever lockset with deadbolt.	No	1
18	Single gate 1500 x 3000mm high of 50 x 50 x 2mm hollow section frame and 50 x 50 x 2mm hollow section horizontal middle rail, filled in with vertical cold rolled steel "C" channels of varying sizes 76 x 38 x 3mm, 50 x 25 x 2mm and 25 x 25 x 2mm; barfitted with a pair of 25mm diameter x 80mm long pin hinges welded to post; Secure lockbox for and including 5 lever lockset with deadbolt.	No	1
19	Manually operated sliding gate 6 000 x 1800mm high overall, the outer frame of 75 x 75 x 5mm square tubing and 50 x 50 x 2.5mm welded mesh welded to frame work, complete with industrial type roller wheels rolling on ground track and mechanical operating mechanism and padbolt	No	1
Carried Forward			R
Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Brought Forward			R
20	Manually operated sliding gate 6 000 x 2400mm high overall, the outer frame of 75 x 75 x 5mm square tubing and 50 x 50 x 2.5mm welded mesh welded to frame work, complete with industrial type roller wheels rolling on ground track and mechanical operating mechanism and padbolt	No	1
21	Manually operated sliding gate 6 000 x 3000mm high overall, the outer frame of 75 x 75 x 5mm square tubing and 50 x 50 x 2.5mm welded mesh welded to frame work, complete with industrial type roller wheels rolling on ground track and mechanical operating mechanism and padbolt	No	1
Plascon zinc phosphate primer undercoat and plascon super universal enamel top coat			
22	On gates, grilles, palisade fencing, etc.(both sides measured over the full flat area)	m2	1
23	On steel palisade gates and framing (both sides measured flat)	m2	1
<u>APPROVED INVISIBLE WALL PANELS</u>			
<u>SECURITY FENCING</u>			
<u>Welded mesh fencing or other equal and approved panels</u>			
24	Panel shall be 3,305m width and 1.8m in height. Panel aperture size (centers) shall be 76,2 x 12,7mm. Wire diameter shall be 3,5mm. The panel shall be reinforced with 4 x 50mm deep 'V' formation horizontal recessed bands (rigidity). Panel shall have 2x 70` flanges along sides (internal fixtures-all fixtures shall be on the inside of fence line). Panel shall have 1 x 90` flange along top and 1 x 30` flange along toe (integrated rigid angle). Panel post shall have a flush panel post finish with no climbing aid. Panel shall be affixed to post over 48 line wires using 8 x Double bolt comb clamps and 8 x Single bolt comb clamps using 24 x Anti vandal bolts. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	m	1
Carried Forward			R
Section No. 3			
Bill No. 5			
Fencing (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward				R
25	Panel shall be 3,305m width and 2,4m in height. Panel aperture size (centers) shall be 76,2 x 12,7mm. Wire diameter shall be 3,5mm. The panel shall be reinforced with 4 x 50mm deep 'V' formation horizontal recessed bands (rigidity). Panel shall have 2x 70` flanges along sides (internal fixtures-all fixtures shall be on the inside of fence line). Panel shall have 1 x 90` flange along top and 1 x 30` flange along toe (integrated rigid angle). Panel post shall have a flush panel post finish with no climbing aid. Panel shall be affixed to post over 48 line wires using 8 x Double bolt comb clamps and 8 x Single bolt comb clamps using 24 x Anti vandal bolts. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	m	1	
26	Panel shall be 3,305m width and 3.0m in height. Panel aperture size (centers) shall be 76,2 x 12,7mm. Wire diameter shall be 3,5mm. The panel shall be reinforced with 4 x 50mm deep 'V' formation horizontal recessed bands (rigidity). Panel shall have 2x 70` flanges along sides (internal fixtures-all fixtures shall be on the inside of fence line). Panel shall have 1 x 90` flange along top and 1 x 30` flange along toe (integrated rigid angle). Panel post shall have a flush panel post finish with no climbing aid. Panel shall be affixed to post over 48 line wires using 8 x Double bolt comb clamps and 8 x Single bolt comb clamps using 24 x Anti vandal bolts. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	m	1	
27	Ripper concertina coil 450mm, with straining wire, supported by Y-brackets.	m	1	
28	Galvanised and powder coated spike bolted to high security fence installed as per manufacturer's specifications	m	1	
Carried Forward				R
Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,				

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT
EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER**

Brought Forward		R
<u>Fence Posts</u>		
29	<p>Post shall be 2.4m long taper locking post. Post width shall be 85mm- tapering to 45mm with a depth of 85mm. Post shall include 'Locking Recess Mechanism' to secure panel edge. Post finish shall be galvanised, then Polymetic 6000 coated.</p> <p>Fence Corner Configuration: The fence configuration should not have any sharp corners and all angles at changes of direction should be minimum of 130 degrees.</p>	No 1
30	<p>Post shall be 3m long taper locking post. Post width shall be 85mm- tapering to 45mm with a depth of 85mm. Post shall include 'Locking Recess Mechanism' to secure panel edge. Post finish shall be galvanised, then Polymetic 6000 coated.</p> <p>Fence Corner Configuration: The fence configuration should not have any sharp corners and all angles at changes of direction should be minimum of 130 degrees.</p>	No 1
31	<p>Post shall be 3.6m long taper locking post. Post width shall be 85mm- tapering to 45mm with a depth of 85mm. Post shall include 'Locking Recess Mechanism' to secure panel edge. Post finish shall be galvanised, then Polymetic 6000 coated.</p> <p>Fence Corner Configuration: The fence configuration should not have any sharp corners and all angles at changes of direction should be minimum of 130 degrees.</p>	No 1
<u>Gates, screens, etc</u>		
<u>Extra over for security fencing for gates</u>		
32	<p>6000mm wide x 1800mm high Vehicle sliding cantilever gate including 3mm diameter galvanised wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.</p>	No 1
Carried Forward		R
<p>Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward		R
33	6000mm wide x 2400mm high Vehicle sliding cantilever gate including 3mm diameter galvanised wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	No 1
34	6000mm wide x 3000mm high Vehicle sliding cantilever gate including 3mm diameter galvanised wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	No 1
35	1200mm x 1800mm high Pedestrian double leaf swing gate including 3mm diameter galvanized wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround, suspended on adjacent posts (ditto) with suitable bullet hinges. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	No 1
36	1200mm x 2400mm high Pedestrian double leaf swing gate including 3mm diameter galvanized wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround, suspended on adjacent posts (ditto) with suitable bullet hinges. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	No 1
37	1200mm x 2400mm high Pedestrian double leaf swing gate including 3mm diameter galvanized wire mesh with aperture sizes (centres) of 76,2mm x 12,7mm firmly fixed to 50mm x 75mm x 3mm hollow steel tube frame surround, suspended on adjacent posts (ditto) with suitable bullet hinges. Panel and fixtures shall be galvanized, then Polymetic 6000 coated.	No 1
<u>CONCRETE</u>		
Carried Forward		R
Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward		R
<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days</u>		
38	In plinth under palisade fencing, size 200mm wide x 150mm deep, with wood floated top surface at ground level, including any necessary excavation, formwork, etc (Provisional)	m 1
39	In block for barrel bolt, size 100 x 100 x 200mm, with chamfered top surface projecting 50mm above surrounding ground level, including any necessary excavation, formwork, etc. and with and including short length of galvanised tubing let into block as keep for barrel bolt (provisional)	No 1
40	In base for end, corner or gate post, size 450 x 450 x 900mm, with chamfered top surface projecting 50mm above surrounding ground level, including any necessary excavation, formwork, etc (Provisional)	No 1
41	In base for intermediate post, size 500 x 500 x 800mm, with wood floated top surface at ground level and recess 50mm deep in two sides at top of base for 200 x 150mm concrete plinth (elsewhere), including any necessary excavation, formwork, etc (Provisional)	No 1
42	In plinth under clearvu gate, size 100mm wide x 300mm deep, with wood floated top surface at ground level, including any necessary excavation, formwork, etc (Provisional)	m 1
NOTE		
Precast concrete walling and precast concrete palisade fencing:		
Prefabricated concrete components for precast concrete walling and precast concrete palisade fencing to comply with SABS 1372		
The whole of the work is to be carried out by workers skilled in this class of work and the materials and finishes are to be to the approval of the Representative/Agent		
Carried Forward		R
Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward		R
<p>Precast concrete walling and precast concrete palisade fencing over sloping terrain shall be stepped to suit terrain, including the use of increased lengths of posts as necessary, excavation, etc.</p> <p>All precast concrete to have a minimum compressive strength of 25MPa at 28 days</p> <p>All fixing bolts are to be electrogalvanised and passivated</p> <p>Precast concrete intermediate and end posts for palisade fencing to be finished smooth from moulds with tapered sides, rounded corners, twice splayed top ends and mortices for horizontal rails as required. Intermediate and end posts to be reinforced with three 8mm diameter high tensile steel rod reinforcing bars with a minimum concrete cover of 15mm</p> <p>Precast concrete pales to be finished smooth from moulds with tapered sides, rounded corners, both ends twice splayed and with two 10mm diameter holes, each hole with 25mm diameter x 20mm deep recess on one side as required. Pales to be reinforced with four 4,5mm diameter high tensile steel wires with a minimum concrete cover of 15mm</p> <p>Prices: Prices for precast concrete walling and precast concrete palisade fencing shall include for all moulds, steel reinforcing, casting, curing, etc. and for erection, stepping to suit terrain, grouting, bolts, washers, etc.</p> <p><u>Precast concrete palisade fencing including site clearance and preparation of ground</u></p>		
<p>43 Palisade fencing 1800mm high formed of 140mm tapering to 80 x 225 x 3200mm long precast concrete intermediate posts at 2000mm centres cast into concrete bases (elsewhere); with 80 x 150 x 1980mm long precast concrete top and bottom horizontal rails with ends grouted into mortices in intermediate or end posts and 100mm tapered to 80 x 80 x 2370mm long precast concrete vertical pales spaced at 200mm centres and bolted to horizontal rails at each intersection with and including all bolts, washers and epoxy grouting (Provisional)</p>	m	1
Carried Forward		R
<p>Section No. 3 Bill No. 5 Fencing (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward			R
44	Palisade fencing 2400mm high formed of 140mm tapering to 80 x 225 x 3200mm long precast concrete intermediate posts at 2000mm centres cast into concrete bases (elsewhere); with 80 x 150 x 1980mm long precast concrete top and bottom horizontal rails with ends grouted into mortices in intermediate or end posts and 100mm tapered to 80 x 80 x 2370mm long precast concrete vertical pales spaced at 200mm centres and bolted to horizontal rails at each intersection with and including all bolts, washers and epoxy grouting (Provisional)	m	1
45	Palisade fencing 3000mm high formed of 140mm tapering to 80 x 225 x 3200mm long precast concrete intermediate posts at 2000mm centres cast into concrete bases (elsewhere); with 80 x 150 x 1980mm long precast concrete top and bottom horizontal rails with ends grouted into mortices in intermediate or end posts and 100mm tapered to 80 x 80 x 2370mm long precast concrete vertical pales spaced at 200mm centres and bolted to horizontal rails at each intersection with and including all bolts, washers and epoxy grouting (Provisional)	m	1
46	Cut 80 x 150mm precast concrete horizontal rail to length (Provisional)	No	1
47	Extra over precast concrete palisade fencing for end post (Provisional)	No	1
<u>IRONMONGERY</u>			
<u>Bolts, lathes etc</u>			
48	200mm Galvanised heavy duty barrel bolt welded onto gate style (Provisional)	No	1
<u>Locks</u>			
49	63mm Brass five pin tumbler padlock with two keys (Provisional)	No	1
Carried Forward			R
Section No. 3			
Bill No. 5			
Fencing (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER**

	Brought Forward			R
	<u>Sundries</u>			
50	Razor fence installed on top of concrete palisade fence in accordance with manufacturer's specifications (Provisional)	No	1	
51	Allow for installation of gate motor (Provisional)	No	1	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 5				
Fencing (Provisional)				
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,				

PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 6</u></p> <p><u>CARPORT (PROVISIONAL)</u></p> <p><u>STRUCTURAL STEELWORK (PROVISIONAL)</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this Bill.</p> <p>Where reference is made to trade names in these Bills of Quantities, it shall be taken to read "or other equal approved".</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete</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><u>STEEL TRUSSES, ETC.</u></p> <p><u>NOTE :</u></p> <p>Roof trusses may be manufactured in shorter lengths than those stated in the descriptions and bolted together on site with the prior approval of the Structural Engineer.No additional cost in this regard will be entertained.</p> <p><u>Welded rafters in single lengths with flat section bearer and connection plates bolted to concrete columns</u></p>			
		R	
	Carried Forward		
<p>Section No. 3 Bill No. 6 Carports (Provisional) PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Brought Forward			R
<u>STEEL PURLINS, GIRTS, BRACING, ETC.</u>			
<u>Purlins and girts bolted to steel</u>			
1	175 x 75 x 25 Lipped channel section purlins	t	1,00
<u>Welded bracing Columns, etc. with flat section connection plates bolted to steel</u>			
2	120 x 120 x 5mm Steel Column	t	1,00
3	150 x 90 x 10mm Steel beam	t	1,00
4	50 x 50x 3mm Angle	t	1,00
<u>Base Plates etc</u>			
5	Steel base plate	t	1,00
<u>Bolts etc</u>			
6	M20 Steel bolts	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 6			
Carports (Provisional)			
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO.8</u>			
	<u>RETAINING WALL (PROVISIONAL)</u>			
	<u>RETAINING STRUCTURES</u>			
1	Retaining structure with stepped face and curves as required to suit slopes of 400 x 250 x 320mm high type L300 or similar approved interlocking planter blocks laid horizontal bed joints to not exceeding 45 degree slope including backfilling with earth obtained from the excavations and filling the blocks with garden soil lightly tamped as the work proceeds	m2	1	
	<u>DRAINAGE</u>			
2	Supply and install perforated 110mm diameter pipe encased in 19mm stone, wrapped in A4 Kaymat (measured elsewhere)	m	1	
3	A14 Kaymat Geo-fabric membrane behind retaining wall	m2	1	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3 Bill No. 7 Retaining Wall PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Bill No	SECTION SUMMARY - EXTERNAL WORKS (ALL PROVISIONAL)	Page No	Amount
1	Water Reticulation (Provisional)	267	
2	Sewer Reticulation (Provisional)	270	
3	Stormwater Drainage (Provisional)	272	
4	Paving and Roadworks (Provisional)	275	
5	Fencing (Provisional)	286	
6	Carports (Provisional)	288	
7	Retaining Wall	289	
	Carried to Final Summary		
	Section No. 3		
	PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

R

PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS FOR THE MAIN CONTRACT / NOMINATED OR SELECTED SUBCONTRACT</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General</u></p> <p>All prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p> <p><u>General attendance on selected subcontractors</u></p> <p>The item "Attendance" which follows each provisional sum for selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the selected subcontractors, the following:</p> <ol style="list-style-type: none"> 1. The services as set out in clause B9 of the Preliminaries 2. Hoisting of the selected subcontractor's material in batches that can be handled by the contractor's hoist or crane during normal working hours 3. Making good in all trades and cleaning down and removal of rubbish on completion <p><u>Contingency sums</u></p> <p>Work for which contingency sums are allowed will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required</p>			
		R	
		Carried Forward	
<p>Section No. 4 Bill No. 1 Provisional Sums PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,</p>			

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR
A PERIOD OF THREE (3) YEARS - GRADE 7 OR HIGHER**

Brought Forward		R
<u>Preliminaries</u>		
The contractor is referred to the Preliminaries for further amplification of "Prime Cost Amounts and Provisional Sums"		
<u>PROVISIONAL SUMS FOR THE MAIN CONTRACT / NOMINATED SUBCONTRACT WORKS</u>		
<u>NOTE:</u>		
All mechanical works and electrical works, joinery fittings will be priced per project and market related prices will be used.		
Carried to Final Summary		
Section No. 4		
Bill No. 1		
Provisional Sums		
PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,		

**PWRT/2615/26/MP: GENERAL BUILDING MAINTENANCE FOR EDUCATION,
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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	147	
2	BUILDING WORKS	263	
3	EXTERNAL WORKS (ALL PROVISIONAL)	290	
4	PROVISIONAL SUMS	292	
	Sub Total (A)		R
	<u>CONTINGECIES</u>		
	Allow 5% of Sub total (A) for contingencies to be used prior written approval from the Department of Public Works, Roads and Transport and to be deducted in whole or in part if not required	%	
	<u>COMMUNITY LIASON OFFICER</u>		
	Allow the amount of R 7 500.00/ month for the appointment of a Community Liaison Officer	Item	
	SUB TOTAL (B)		R
	Add Value Added Tax		R
			R
	Carried to Form of Tender		R

MPUMALANGA PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

C3 Scope of Work

1 DESCRIPTION OF THE WORKS

1.1 Overview of the works

The general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – Grade 7G or Higher (with an option to extend)

1.2 Extent of the works

The general building maintenance for education, health facilities and other immovable government assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala district for a period of three (3) years – Grade 7GB or Higher (with an option to extend)

1.3 Location of the works

Bohlabela, Ehlanzeni, Nkangala and Gert Sibande District

1.4 Temporary works

There are no temporary works involved on this project

2 DRAWINGS

N/A

3 PROCUREMENT

3.1 Preferential procurement procedures

The works shall be executed in accordance with the conditions attached to preferences granted in accordance with the preferencing schedule.

3.1.1 Requirements for the sourcing and engagement of labour

3.1.1.1 Labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

3.1.1.2 The published rate of pay set for the EPWP must be used for the various categories of labour:

Description	Daily wage for 8 hour work day
Unskilled labour	
Semi-skilled labour	
Skilled labour	
Supervisor	

3.1.1.3 Tasks established by the contractor must be such that:

- a) the average worker completes 5 tasks per week in 40 hours or less; and
- b) the weakest worker completes 5 tasks per week in 55 hours or less.

3.1.1.4 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 3.1.1.3.

3.1.1.5 The Contractor shall, through all available community STRUCTURES, inform the local community of the labour intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

- a) where the head of the household has less than a primary school education;
- b) that have less than one full time person earning an income;
- c) where subsistence agriculture is the source of income;
- d) those who are not in receipt of any social security pension income

3.1.1.6 The Contractor shall endeavor to ensure that the expenditure on the employment of temporary workers is in the following proportions:

- a) 50% women;
- b) 25% youth who are between the ages of 18 and 25; and
- c) 2% on persons with disabilities.

3.1.2 Specific provisions pertaining to SANS 1914-5

3.1.2.1 Definitions

3.1.2.1.1 Targeted Labour: Unemployed persons who are employed as local Labour on the project.

Contract Participation Goal

3.1.2.1.2 The preferential procurement regulation 2017 stipulates that all tenderers or bidders that will be awarded contract above 30million should subcontract a minimum of 30% of the contract amount, however subcontracting is not applicable to work below stipulated value.

3.1.2.1.3 The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes. The Person / days will be calculated in accordance with Appendix E.3: Contract Person / Days Calculation Format.

3.1.2.2 Terms and conditions for the engagement of targeted labour

3.1.2.2.1 Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts to be signed between the Contractor and workers will be in accordance with the pro-forma contract, attached as Appendix E.1.

3.1.2.2.2 Further to the provisions of clause 5.2 of SANS 1914-5, the Contractor will use the pro-forma attendance register, attached as Appendix E.2, to record the required information as per said clause.

3.1.2.3 Variations to the SANS 1914-5

None

3.1.2.4 Training of targeted labour

3.1.2.4.1 The Employer will appoint a service provider that will provide training to the workers. The Contractor need not provide for payment of said service provider.

3.1.2.4.2 Workers will receive 2 days of training for every 22 working days for the duration of the Contract. N/A

3.1.2.4.3 An allowance equal to 100% of the task rate or daily rate shall be paid by the Contractor to workers who attend training, in terms of 3.1.2.5.

3.1.2.4.4 Records pertaining to the attendance, progress and performance of trainees will be kept by the Contractor and made available to the Employer.

3.1.2.4.5 The Contractor shall do nothing to dissuade targeted labour from participating in training programmes.

4. MANAGEMENT

4.1 Recording of weather

The Contractor shall erect an effective rainfall gauge on the site and record the daily rainfall figures in a book. Such book shall be handed to the employer's representative for his signature no later than 12 days after rain that is considered to justify an extension of time occurs.

4.2 Unauthorized persons

The Contractor shall keep unauthorized persons from the works at all times. Under no circumstances may any person except guards be allowed to sleep on the building site.

Management meetings

The Employer's Representatives and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Employer's Representatives require their attendance at such meetings.

The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract.

4.3 Forms for contract administration

The Contractor shall be required to submit an updated contractor monthly report during site meetings, which will be used by the consultant to update the client.

4.4 Payment certificates

The Contractor shall ensure that the VAT invoice required with each certificate is delivered timeously. The date of the certificate will be that of the date when the certificate is received by the employer. The Contractor shall ensure timeous submission of all required documentation for the expedient processing of payment certificates, as required by the client, eg BAS entity forms, company registration details, VAT clearance certificates, etc. The Contractor is responsible for such documentation submission.

4.6 EPWP labour intensive specification

Labour intensive competencies of supervisors and management staff

Contractors having a CIDB contractor grading designation of 5 CE and higher shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2004 to 30 June 2006, are registered for training towards, the skills programme outlined in Table 1.

The managing principal of the contractor, namely, a sole proprietor, the senior partner, the managing director or managing member of a close corporation, as relevant, having a contractor grading designation of 1CE, 2CE, 3CE and 4CE shall have personally completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme for the NQF level 2. All other site supervisory staff in the employ of such contractors must have completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme for, the NQF level 2 unit standards or NQF level 4 unit standards.

Table 1: Skills programme for supervisory and management staff

Personnel	NQF level	Unit standard titles	Skills programme description
Team leader / supervisor	2	Apply Labour Intensive Construction Systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage	} any one of these 3 unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain SSTRUCTURES	
Foreman/ supervisor	4	Implement labour Intensive Construction Systems and Techniques	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage	} any one of these 3 unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain SSTRUCTURES	
Site Agent / Manager (i.e the contractor's most senior representative that is resident on the site)	5	Manage Labour Intensive Construction Processes	Skills Programme against this single unit standard

5 ADDENDA

- 5.1 Occupational Health and Safety Regulations (*ADDENDUM A*)
- 5.2 Standard Occupational Health and Safety Specification (*ADDENDUM B*)
- 5.3 Environmental Management Plan (*ADDENDUM C*)
- 5.4 Pro-forma contract between Contractor and Worker (*ADDENDUM D*)
- 5.5 Pro-forma Attendance Register (*ADDENDUM E*)
- 5.6 Contract Person / Days Calculation Format (*ADDENDUM F*)
- 5.7 Contractor's monthly report format (*ADDENDUM G*)

**MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT**

THE GENERAL BUILDING MAINTENANCE FOR EDUCATION, HEALTH FACILITIES AND OTHER IMMOVABLE GOVERNMENT ASSETS AT EHLANZENI, BOHLABELA, GERT SIBANDE AND NKANGALA DISTRICT FOR A PERIOD OF THREE (3) YEARS – GRADE 7GB OR HIGHER (WITH AN OPTION TO EXTEND)

ADDENDUM A

Occupational Health and Safety Regulations

GOVERNMENT NOTICE

489

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

DEPARTMENT OF LABOUR

No. R. 2003

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

CONSTRUCTION REGULATIONS, 2003

The Minister of Labour has under section 43 of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), after consultation with the Advisory Council for Occupational Health and Safety, made the regulations in the Schedule.

SCHEDULE

Definitions

1. In these Regulations any word or expression to which a meaning has been assigned in the Act shall have the meaning so assigned and, unless the context otherwise indicates—

“**agent**” means any person who acts as a representative for a client in the managing the overall construction work.

“**angle of repose**” means the steepest angle of a surface at which a mass of loose or fragmented material will remain stationary in a pile on a surface, rather than sliding or crumbling away;

“**batch plant**” means machinery, appliances or other similar devices that are assembled in such a manner so as to be able to mix materials in bulk for the purposes of using the mixed product for construction work;

“**client**” means any person for whom construction work is performed;

“**competent person**” in relation to construction work, means any person having the knowledge, training and experience specific to the work or task being performed: Provided that where appropriate qualifications and training are registered in terms of the provisions of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995), these qualifications and training shall be deemed to be the required qualifications and training;

“**construction work**” means any work in connection with—

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;
- (b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

“**construction vehicle**” means a vehicle used for means of conveyance for transporting persons or material or both such persons and material, as the case may be, both on and off the construction site for the purposes of performing construction work;

“**contractor**” means an employer, as defined in section 1 of the Act, who performs construction work and includes principal contractors;

“**design**” in relation to any structure includes drawings, calculations, design details and specifications;

“**designer**” means any person who—

- (a) prepares a design;
- (b) checks and approves a design;
- (c) arranges for any person at work under his control (including an employee of his, where he is the employer) to

prepare a design, as well as;

- (d) architects and engineers contributing to, or having overall responsibility for the design;
- (e) build services engineers designing details for fixed plant;
- (f) surveyors specifying articles or drawing up specifications;
- (g) contractors carrying out design work as part of a design and build project;
- (h) temporary works engineer designing formwork and false work; and
- (i) interior designers, shop-fitters and landscape architects.

“ergonomics” means the application of scientific information concerning humans to the design of objects, systems and the environment for human use in order to optimise human well-being and overall system performance;

“excavation work” means the making of any man-made cavity, trench, pit or depression formed by cutting, digging or scooping;

“explosive powered tool” means a tool that is activated by an explosive charge and that is used for driving bolts, nails and similar objects for the purpose of providing fixing;

“fall prevention equipment” means equipment used to prevent persons from falling from an elevated position, including personal equipment, body harness, body belts, lanyards, lifelines or physical equipment, guardrails, screens, barricades, anchorages or similar equipment;

“fall arrest equipment” means equipment used to arrest the person in a fall from an elevated position, including personal equipment, body harness, lanyards, deceleration devices, lifelines or similar equipment, but excludes body belts;

“fall protection plan” means a documented plan, of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods to be applied in order to eliminate the risk;

“hazard identification” means the identification and documenting of existing or expected hazards to the health and safety of persons, which are normally associated with the type of construction work being executed or to be executed;

“health and safety file” means a file, or other record in permanent form, containing the information required as contemplated in these regulations;

“health and safety plan” means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

“health and safety specification” means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

“material hoist” means a hoist used to lower or raise material and equipment, and includes cantilevered platform hoists, mobile hoists, friction drive hoists, scaffold hoists, rack and pinion hoists and combination hoists;

“medical certificate of fitness” means a certificate valid for one year issued by an occupational health practitioner, issued in terms of these regulations, whom shall be registered with the Health Professions Council of South Africa;

"method statement" means a written document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

"mobile plant" means machinery, appliances or other similar devices that is able to move independently, for the purpose of performing construction work on the construction site;

"National Building Regulations" means the National Building Regulations made under section 17(1) of the National Building Regulations and Building Standards Act, 1977 (Act No.103 of 1977), and published under Government Notice No. R.1081 of 10 June 1988, as amended;

"person day" means one individual carrying out construction work on a construction site for one normal working shift;

"principal contractor" means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

"professional engineer or professional certificated engineer" means any person holding registration as either a Professional Engineer or Professional Certificated Engineer under the Engineering Profession Act, 2000 (Act No. 46 of 2000);

"professional technologist" means any person holding registration as a Professional Technologist under the Engineering Profession Act, 2000 (Act No. 46 of 2000);

"provincial director" means the provincial director as defined in regulation 1 of the General Administrative Regulations under the Act;

"risk assessment" means a programme to determine any risk associated with any hazard at a construction site , in order to identify the steps needed to be taken to remove, reduce or control such hazard;

"roof apex height" means the dimensional height in metres measured from the lowest ground level abutting any part of a building to the highest point of the roof;

"SABS 085" means the South African Bureau of Standards' Code of Practice entitled

"The Design, Erection, Use and Inspection of Access Scaffolding";

"SABS 0400" means the South African Bureau of Standards, Code of Practice for the application of the National Building Regulations;

"SABS EN 1808" means the South African Bureau of Standards' Standard Specification entitled: **"Safety requirements on suspended access equipment – Design calculations, stability criteria, construction-tests";**

"SABS 1903" means the South African Bureau of Standards' Standard Front-end Specification entitled: **"Safety requirements on suspended access equipment – Design calculations, stability criteria, construction-tests";**

"scaffold" means any temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials or both;

"shoring" means a structure such as a hydraulic, mechanical or timber/steel shoring system that supports the sides of an excavation and which is intended to prevent the cave-in or the collapse of the sides of an excavation, and "shoring system" has a corresponding meaning;

"structure" means—

(a) any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks,

reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam,

wall, mast, tower, tower crane, batching plants, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;

- (b) any formwork, false work, scaffold or other structure designed or used to provide support or means of access during construction work; or
- (c) any fixed plant in respect of work which includes the installation, commissioning, decommissioning or dismantling and where any such work involves a risk of a person falling two meters or more;

“suspended platform” means a working platform suspended from supports by means of one or more separate ropes from each support;

“the Act” means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);

“tunnelling” means the construction of any tunnel beneath the natural surface of the earth for a purpose other than the searching for or winning of a mineral;

Scope of application

2.(1) These Regulations, shall apply to any persons involved in construction work.

(2) The provisions of sub regulation 4.(1)(a) shall not be applicable where the construction work carried out is in relation to a single storey domestic building for a client who is going to reside in such dwelling upon completion thereof.

(3) The provisions of sub regulations 4.(1)(a) and 5(1), 5.(3)(a) and 5(4) shall not be applicable where the construction work is in progress and more than fifty percent thereof has been completed at the date of promulgation of these regulations: Provided that an inspector may instruct accordingly that these Regulations shall be applicable.

Notification of construction work

3.(1) A principal contractor who intends to carry out any construction work shall—

- (a) before carrying out that work, notify the provincial director in writing of the construction work if it includes—
 - (i) the demolition of a structure exceeding a height of 3 meters; or
 - (ii) the use of explosives to perform construction work; or
 - (iii) the dismantling of fixed plant at a height greater than 3m.
- (b) before carrying out that work, notify the provincial director in writing when the construction work—
 - (i) exceeds 30 days or will involve more than 300 person days of construction work; and
 - (ii) includes excavation work deeper than 1m; or
 - (iii) includes working at a height greater than 3 meters above ground or a landing.

(2) The notification to the provincial director contemplated in sub regulation (1) must be done on the form similar to ADDENDUM A to these regulations.

(3) A principal contractor shall ensure that a copy of the completed form contemplated in sub regulation (2) is kept on site for inspection by an inspector, client, client’s agent or employee.

Client

4.(1) A client shall be responsible for the following in order to ensure compliance with the provisions of the Act—

- (a) to prepare a documented health and safety specification for the construction work, and provide any principal contractor who is making a bid or appointed to perform construction work for the client with the same;
- (b) to promptly provide the principal contractor and his or her agent with any information which might affect the health and safety of any person at work carrying out construction work;
- (c) to appoint each principal contractor in writing for the project or part thereof on a construction site;
- (d) to take reasonable steps to ensure that each principal contractor's health and safety plan as determined in sub regulation 5(1) is implemented and maintained on the construction site: Provided that the steps taken, shall include periodic audits at intervals mutually agreed upon between the client and principal contractor, but at least once every month;
- (e) to stop any contractor from executing construction work which is not in accordance with the principal contractor's health and safety plan contemplated in sub regulation 5(1) for the site or which poses to be a threat to the health and safety of persons;
- (f) to ensure that where changes are brought about, sufficient health and safety information and appropriate resources are made available to the principal contractor to execute the work safely;
- (g) to ensure that every principal contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site; and
- (h) to ensure that potential principal contractors submitting tenders, have made provision for the cost of health and safety measures during the construction process.

(2) A client shall discuss and negotiate with the principal contractor the contents of the health and safety plan contemplated in sub regulation 5(1) and thereafter finally approve the health and safety plan for implementation.

(3) A client shall ensure that a copy of the principal contractor's health and safety plan is available on request to an employee, inspector or contractor.

(4) No client shall appoint a principal contractor to perform construction work, unless the client is reasonably satisfied that the principal contractor that he or she intends to appoint has the necessary competencies and resources to carry out the work safely.

(5) A client may appoint an agent in writing to act as his or her representative and where such an appointment is made, the responsibilities as are imposed by these regulations upon a client, shall as far as reasonably practicable apply to the person so appointed.

(6) No client shall appoint any person as his agent, unless the client is reasonably satisfied that the person he or she intends to appoint has the necessary competencies and resources to perform the duties imposed on a client by these regulations.

Principal Contractor and Contractor

5. (1) A principal contractor shall provide and demonstrate to the client a suitable and sufficiently documented health and safety plan, based on the client's documented health and safety specification contemplated in regulation 4(1)(a), which shall be applied from the date of commencement of and for the duration of the construction work.

(2) A principal contractor shall take reasonable steps as far as is necessary to ensure co-operation between all contractors to enable each of those contractors to comply with the provisions of these regulations.

(3) A principal contractor shall be responsible for the following in order to ensure compliance with the provisions of the Act—

- (a) to provide any contractor who is making a bid or appointed to perform construction work for the principal contractor, with the relevant sections of the documented health and safety specification contemplated in regulation 4(1)(a) pertaining to the construction work which has to be performed;
- (b) to appoint each contractor contemplated in paragraph (a) in writing for the part thereof of the project on a construction site;
- (c) to take reasonable steps to ensure that each contractor's health and safety plan contemplated in sub-regulation (4) is implemented and maintained on the construction site: Provided that the steps taken shall include periodic audits at intervals mutually agreed upon between the principal contractor and contractor(s), but at least once every month;
- (d) to stop any contractor from executing construction work which is not in accordance with the principal contractor's and/or contractor's health and safety plan for the site or which poses a threat to the health and safety of persons;
- (e) to ensure that where changes are brought about, sufficient health and safety information and appropriate resources are made available to the contractor to execute the work safely;
- (f) to ensure that every contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site; and
- (g) to ensure that potential contractors submitting tenders have made provision for the cost of health and safety measures during the construction process.

(4) A contractor shall provide and demonstrate to the principal contractor a suitable and sufficiently documented health and safety plan, based on the relevant sections of the principal contractor's health and safety specification contemplated in regulation 5(3)(a) provided by the principal contractor, which plan shall be applied from the date of commencement of and for the duration of the construction work.

(5) A principal contractor shall discuss and negotiate with the contractor the contents of the health and safety plan contemplated in sub regulation (4), and shall finally approve that plan for implementation.

(6) A principal contractor shall ensure that a copy of his or her health and safety plan contemplated in sub regulation (1), as well as the contractor's health and safety plan contemplated in sub regulation (4), is available on request to an employee, inspector, contractor, client or client's agent.

(7) Every contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of the Act and these Regulations, is opened and kept on site and made available to an inspector, client, clients agent or principal contractor upon request.

(8) A principal contractor shall hand over a consolidated health and safety file to the client upon completion of the construction work and shall, in addition to the documentation referred to in sub regulation (7), include a record of all

drawings, designs, materials used and other similar information concerning the completed structure.

(9) A principal contractor shall ensure that in addition to the documentation required in the health and safety file as determined in sub regulations (7) and (8), a comprehensive and updated list of all the contractors on site accountable to the principal contractor, the agreements between the parties and the type of work being done is included and available.

(10) No principal contractor shall appoint a contractor to perform construction work unless the principal contractor is reasonably satisfied that the contractor he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely.

(11) Where a contractor appoints another contractor to perform construction work, the responsibilities as determined in sub regulations (2) to (6) that apply to the principal contractor shall apply to the contractor as if he or she were the principal contractor.

(12) No contractor shall appoint another contractor to perform construction work unless he or she is reasonably satisfied that the contractor he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely.

(13) Contractors shall co-operate with the principal contractor as far as is necessary to enable each of them to comply with the provisions of the Act.

(14) Every contractor shall as far as is reasonably practicable, promptly provide the principal contractor with any information which might affect the health and safety of any person at work carrying out construction work or any person who might be affected by the work of such a person at work or which might justify a review of the health and safety plan.

Supervision of construction work

6.(1) Every contractor shall appoint a full-time competent employee designated in writing as the construction supervisor, with the duty of supervising the performance of the construction work.

(2) The contractor may in writing appoint one or more competent employees to assist the appointed construction supervisor contemplated in sub regulation (1), and every such employee shall, to the extent clearly defined by the contractor in the letter of designation, have the same duties as the construction supervisor: Provided that the designation of any such employee shall not relieve the construction supervisor contemplated in sub regulation (1) of any personal accountability for failing in his supervisory duties referred to in terms of this regulation.

(3) Where the contractor has not appointed an employee as referred to sub regulation (2), or, in the opinion of an inspector, not a sufficient number of such employees, that inspector may require the employer to appoint the number of employees indicated by the inspector, and the provisions of sub regulation (2) shall apply in respect of those employees as if they had in the first instance been appointed under sub regulation (2).

(4) No construction supervisor appointed in terms of sub regulation (1) shall supervise any construction work on or in any construction site other than the site in respect of which he or she has been appointed: Provided that a sufficient number of competent employees have been appropriately designated under sub regulation (2) on all the construction sites, the appointed construction supervisor may supervise more than one site.

(5) If, however, the construction supervisor appointed in terms of sub regulation (1) for more than one construction site will not, in the opinion of an inspector, be able to supervise the works favorably, an inspector may require the contractor to appoint the required number of employees as contemplated in sub regulation (2) to assist the appointed construction supervisor or instruct the contractor to appoint the construction supervisor who had been appointed in terms of sub regulation (1) more appropriately.

(6) A contractor shall upon having considered the size of the project, the degree of dangers likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site: Provided that, where the question arises as to whether a construction safety officer is necessary, the decision of an inspector shall be decisive.

(7) The appointed construction safety officer as contemplated in sub regulation (6) shall as far as is reasonably practicable be utilised to give input at the early design stage and where not appointed at this stage, he or she shall be given the opportunity to input into the health and safety plan when wanting to do so, and a record of such shall be kept in the health and safety file contemplated in regulation 5(7).

(8) No contractor shall appoint a construction safety officer to assist in the control of safety related aspects on the site unless he or she is reasonably satisfied that the construction safety officer he or she intends to appoint, has the necessary competencies and resources to assist the contractor.

Risk assessment

7.(1) Every contractor performing construction work shall before the commencement of any construction work and during construction work, cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan to be applied on the site and shall include at least—

- (a) the identification of the risks and hazards to which persons may be exposed to;
- (b) the analysis and evaluation of the risks and hazards identified;
- (c) a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- (d) a monitoring plan; and
- (e) a review plan.

(2) A contractor shall ensure that a copy of the risk assessment is available on site for inspection by an inspector, client, client's agent, contractor, employee, representative trade union, health and safety representative or any member of the health and safety committee.

(3) Every contractor shall consult with the health and safety committee or, if no health and safety committee exists, with a representative group of employees, on the development, monitoring and review of the risk assessment.

(4) A contractor shall ensure that all employees under the his or her control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment.

(5) A principal contractor shall ensure that all contractors are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.

(6) A contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analyzed, evaluated and addressed in the risk assessment.

(7) Notwithstanding the requirements laid down in sub regulation (4), no contractor shall allow or permit any employee to enter any site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.

(8) A contractor shall ensure that all visitors to a construction site undergoes health and safety instruction pertaining to the hazards prevalent on the site and shall be provided with the necessary personal protective equipment: Provided that where visits are made only to the site office which is not in direct contact with the construction work activities, those health and safety instructions and the provision of personal protective equipment may not apply.

(9) Every employee on site shall-

- (a) be in possession of proof of the health and safety induction training as determined in sub regulation (7), issued by a competent person of the contractor prior to the commencement of construction work; and
- (b) carry the proof contemplated in paragraph (a) for the duration of that project or for the period that the employee will be on the construction site.

Fall protection

8.(1) A contractor shall cause—

- (a) the designation of a competent person, responsible for the preparation of a fall protection plan;
- (b) the fall protection plan contemplated in (a) to be implemented, amended where and when necessary and maintained as required;
- (c) steps to be taken in order to ensure the continued adherence to the fall protection plan.

(2) The fall protection plan contemplated in sub regulation (1), shall include—

- (a) a risk assessment of all work carried out from an elevated position which shall include the procedures and methods used to address all the risks identified per location;
- (b) the processes for evaluation of the employees physical and psychological fitness necessary to work at elevated positions and the records thereof;
- (c) the programme for the training of employees working from elevated positions and records thereof; and
- (d) the procedure addressing the inspection, testing and maintenance of all fall protection equipment.

(3) A contractor shall ensure that the construction supervisor appointed in terms of regulation 6(1), is in possession of the most recently updated version of the fall protection plan.

(4) Notwithstanding the provisions of sub regulations (1) and (2), the contractor shall ensure that—

- (a) all unprotected openings in floors, edges, slabs, hatchways and stairways are adequately guarded, fenced or barricaded or that similar means are used to safeguard any person from falling through such openings;
- (b) no person works in an elevated position, unless such work is performed safely as if working from a scaffold or ladder;

- (c) notices are conspicuously placed at all openings where the possibility exists that a person might fall through such openings;
- (d) fall prevention and fall arrest equipment is—
 - (i) suitable and of sufficient strength for the purpose or purposes for which it is being used having regard to the work being carried out and the load, including any person, it is intended to bear; and
 - (ii) securely attached to a structure or plant and the structure or plant and the means of attachment thereto is suitable and of sufficient strength and stability for the purpose of safely supporting the equipment and any person who is liable to fall;
- (e) fall arrest equipment shall only be used where it is not reasonably practicable to use fall prevention equipment; and
- (f) suitable and sufficient steps shall be taken to ensure, as far as is reasonably practicable, that in the event of a fall by any person, the fall arrest equipment or the surrounding environment does not cause injury to the person.

(5) Where roof work is being performed on a construction site, the contractor shall ensure that in addition to the requirements set out in sub regulations (2) and (4), it is furthermore indicated in the fall protection plan—

- (a) that the roof work has been properly planned;
- (b) that the roof erectors are competent to carry out the work;
- (c) that no employees are permitted to work on roofs during inclement weather conditions or if weather conditions are a hazard to the health and safety of the employees;
- (d) that prominent warning notices are to be placed where all covers to openings are not of sufficient strength to withstand any imposed loads and where fragile material exists;
- (e) that the areas mentioned in paragraph (d) are to be barricaded off to prevent persons from entering;
- (f) that suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and
- (g) that there is suitable and sufficient guard-rails or barriers and toe-boards or other similar means of protection to prevent, so far as is reasonably practicable, the fall of any person, material or equipment.

SSTRUCTURES

9.(1) A contractor shall ensure that—

- (a) all reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying out of construction work; and
- (b) no structure or part of a structure is loaded in a manner which would render it unsafe.

(2) The designer of a structure shall—

- (a) before the contract is put out to tender, make available to the client all relevant information about the design of the relevant structure that may affect the pricing of the construction work;

- (b) inform the contractor in writing of any known or anticipated dangers or hazards relating to the construction work, and make available all relevant information required for the safe execution of the work upon being designed or when the design is subsequently altered;
 - (c) subject to the provisions of paragraph (a) and (b) ensure that the following information is included in a report and made available to the contractor—
 - (i) a geo-science technical report where appropriate;
 - (ii) the loading the structure is designed to withstand; and
 - (iii) the methods and sequence of construction.
 - (d) not include anything in the design of the structure necessitating the use of dangerous procedures or materials hazardous to the health and safety of persons, which could be avoided by modifying the design or by substituting materials;
 - (e) take into account the hazards relating to any subsequent maintenance of the relevant structure and should make provision in the design for that work to be performed to minimize the risk;
 - (f) carry out sufficient inspections at appropriate times of the construction work involving the design of the relevant structure in order to ensure compliance with the design and a record of those inspections is to be kept on site;
 - (g) stop any contractor from executing any construction work which is not in accordance with the relevant design;
 - (h) conduct a final inspection of the completed structure prior to its commissioning in order to render it safe for use and issue a completion certificate to the contractor; and
 - (i) ensure that when preparing the design, cognizance is taken of ergonomic design principles in order to minimize ergonomic related hazards in all phases of the life cycle of a structure.
- (3) A contractor shall ensure that all drawings pertaining to the design of the relevant structure are kept on site and are available on request by an inspector, contractors, client, client's agent or employee.
- (4) Any owner of a structure shall ensure that inspections of that structure upon completion are carried out periodically by competent persons in order to render the structure safe for continued use: Provided that the inspections are carried out at least once every six months for the first two years and thereafter yearly and records of such inspections are kept and made available to an inspector upon request.
- (5) Any owner of a structure shall ensure that the structure upon completion is maintained in such a manner that the structure remains safe for continued use and such maintenance records shall be kept and made available to an inspector upon request.

Formwork and support work

10. A contractor shall ensure that—

- (a) all formwork and support work operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose;
- (b) all formwork and support work s STRUCTURES are adequately designed, erected, supported, braced and maintained so that they will be capable of supporting all anticipated vertical and lateral loads that may be applied to them and also that no loads are imposed onto the structure that the structure is not designed to withstand;
- (c) the designs of formwork and support work STRUCTURES are done upon close reference to the structural design drawings and where any uncertainty exists, the structural designer should be consulted;
- (d) all drawings pertaining to the design of formwork or support work s STRUCTURES are kept on the site

and are available on request by an inspector, contractor, client, client's agent or employee;

- (e) all equipment used in the formwork or support work structure are carefully examined and checked for suitability by a competent person, before being used;
- (f) all formwork and support work s STRUCTURES are inspected by a competent person immediately before, during and after the placement of concrete or any other imposed load and thereafter on a daily basis until the formwork and support work structure has been removed and the results have been recorded in a register and made available on site;
- (g) if, after erection, any formwork and support work structure is found to be damaged or weakened to such a degree that its integrity is affected, it shall be safely removed or reinforced immediately;
- (h) adequate precautionary measures are taken in order to—
 - (i) secure any deck panels against displacement; and
 - (ii) prevent any person from slipping on support work or formwork due to the application of formwork or support work release agents;
- (i) as far as is reasonably practicable, the health of any person is not affected through the use of solvents or oils or any other similar substances;
- (j) upon casting concrete, the support work or formwork structure should be left in place until the concrete has acquired sufficient strength to support safely, not only its own weight, but also any imposed loads and not removed until authorization has been given by the competent person contemplated in paragraph (a);
- (k) provision is made for safe access by means of secured ladders or staircases for all work to be carried out above the foundation bearing level;
- (l) all employees required to erect, move or dismantle formwork and support work s STRUCTURES are provided with adequate training and instruction to perform these operations safely; and
- (m) the foundation conditions are suitable to withstand the weight caused by the formwork and support work structure and any imposed loads such that the formwork and support work structure is stable.

Excavation work

11.(1) A contractor shall ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing.

(2) A contractor shall evaluate, as far as is reasonably practicable, the stability of the ground before excavation work begins.

(3) Every contractor who performs excavation work shall—

- (a) take suitable and sufficient steps in order to prevent, as far as is reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation;
- (b) not require or permit any person to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where—
 - (i) the sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or
 - (ii) such an excavation is in stable material: Provided that—

- (aa) permission being given in writing by the appointed competent person contemplated in sub regulation (1) upon evaluation by him or her of the site conditions; and
 - (bb) where any uncertainty pertaining to the stability of the soil still exists, the decision from a professional engineer or a professional technologist competent in excavations shall be decisive and such a decision shall be noted in writing and signed by both the competent person contemplated in sub regulation (1) and the professional engineer or technologist, as the case may be;
- (c) take steps to ensure that the shoring or bracing contemplated in paragraph (b) is designed and constructed in such a manner rendering it strong enough to support the sides of the excavation in question;
- (d) ensure that no load, material, plant or equipment is placed or moved near the edge of any excavation where it is likely to cause its collapse and thereby endangering the safety of, any person, unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;
- (e) ensure that where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, the steps are taken that may be necessary to ensure the stability of such building, structure or road and the safety of persons;
- (f) cause convenient and safe means of access to be provided to every excavation in which persons are required to work and such access shall not be further than 6m from the point where any worker within the excavation is working;
- (g) ascertain as far as is reasonably practicable the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and shall before the commencement of excavation work that may affect any such service, take the steps that may be necessary to render the circumstances safe for all persons involved;
- (h) cause every excavation, including all bracing and shoring, to be inspected—
 - (i) daily, prior to each shift;
 - (ii) after every blasting operation;
 - (iii) after an unexpected fall of ground;
 - (iv) after substantial damage to supports; and
 - (v) after rain,
 by the competent person contemplated in subregulation (1), in order to pronounce the safety of the excavation to ensure the safety of persons, and those results are to be recorded in a register kept on site and made available to an inspector, client, client's agent, contractor or employee upon request;
- (i) cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be—
 - (i) adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and
 - (ii) provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor;
- (j) ensure that all precautionary measures as stipulated for confined spaces as determined in the General Safety Regulations promulgated by Government Notice No.R.1031 of 30 May 1986, as amended, are complied with when entering any excavation;
- (k) ensure that, where the excavation work involves the use of explosives, a method statement is developed in accordance with the applicable explosives legislation, by an appointed person who is competent in the use of explosives for excavation work and that the procedures therein are followed;

and

- (l) cause warning signs to be positioned next to an excavation within which persons are working or carrying out inspections or tests.

Demolition work

12.(1) A contractor shall appoint a competent person in writing to supervise and control all demolition work on site.

(2) A contractor shall ensure that prior to any demolition work being carried out, and in order also to ascertain the method of demolition to be used, a detailed structural engineering survey of the structure to be demolished is carried out by a competent person and that a method statement on the procedure to be followed in demolishing the structure is developed.

(3) During the demolition, a competent person shall check the structural integrity of the structure at intervals determined in the method statement contemplated in subregulation (2), in order to avoid any premature collapses.

(4) Every contractor who performs demolition work shall—

- (a) with regard to a structure being demolished, take steps to ensure that—
 - (i) no floor, roof or other part of the structure is overloaded with debris or material in a manner which would render it unsafe;
 - (ii) all reasonably practicable precautions are taken to avoid the danger of the structure collapsing when any part of the framing of a framed or partly framed building is removed, or when reinforced concrete is cut; and
 - (iii) precautions are taken in the form of adequate shoring or such other means as may be necessary to prevent the accidental collapse of any part of the structure or adjoining structure;
- (b) not require or permit any person to work under unsupported overhanging material, which has not been adequately supported, shored or braced;
- (c) take steps to ensure that any support, shoring or bracing contemplated in paragraph (b), is designed and constructed so that it is strong enough to support the overhanging material;
- (d) where the stability of an adjoining building, structure or road is likely to be affected by demolition work on a structure, take such steps as may be necessary to ensure the stability of such structure or road and the safety of persons;
- (e) ascertain as far as is reasonably practicable the location and nature of electricity, water, gas or other similar services which may in anyway, be affected by the work to be performed, and shall before the commencement of demolition work that may affect any such service, take the steps that may be necessary to render circumstances safe for all persons involved;
- (f) cause every stairwell used and every floor where work is being performed in a building being demolished, to be adequately illuminated by either natural or artificial means;
- (g) cause convenient and safe means of access to be provided to every part of the demolition site in which persons are required to work; and
- (h) erect a catch platform or net above an entrance or passageway or above a place where persons work or pass under, or fence off the danger area if work is being performed above such entrance, passageway, or place so as to ensure that all persons are kept safe where there is a danger or possibility of persons being struck by falling objects.

(5) A contractor shall ensure that no material is dropped to any point, which falls outside the exterior walls of the structure, unless the area is effectively protected.

(6) Waste and debris shall not be disposed from a high place by a chute unless the chute—

- (a) is adequately constructed and rigidly fastened;

(b) if inclined at an angle of more than 45 degrees to the horizontal, is enclosed on its four sides;

- (c) if of the open type, is inclined at an angle of less than 45 degrees to the horizontal;
 - (d) where necessary, is fitted with a gate at the bottom end to control the flow of material; and
 - (e) is discharged into a container or an enclosed area surrounded by barriers.
- (7) A contractor shall ensure that every chute used to dispose of rubble is designed in such a manner that rubble does not free-fall and that the chute is strong enough to withstand the force of the debris travelling along the chute.
- (8) A contractor shall ensure that equipment is not used on floors or working surfaces, unless such floors or surfaces are of sufficient strength to support the imposed loads.
- (9) Where the risk assessment indicates the presence of asbestos, a contractor shall ensure that all asbestos related work is conducted in accordance with the provisions of the, Asbestos Regulations promulgated by Government Notice No.R.155 of 10 February 2002, as amended.
- (10) Where the risk assessment indicates the presence of lead, a contractor shall ensure that all lead related work is conducted in accordance with the provisions of the, Lead Regulations promulgated by Government Notice No.R.236 of 28 February 2002 , as amended.
- (11) Where the demolition work involves the use of explosives, a method statement is to be developed in accordance with the applicable explosives legislation, by an appointed person who is competent in the use of explosives for demolition work and the procedures therein are adhered to.
- (12) A contractor shall ensure that all waste and debris is as soon as reasonably practicable removed and disposed of from the site in accordance with the applicable legislation.

Tunnelling

13.(1) Any contractor performing tunneling activities or works, shall comply with such requirements as published under the Mine Health and Safety Act, 1996 (Act No.29 of 1996), as amended.

(2) Notwithstanding the provisions of sub regulation (1), no person shall enter a tunnel, which has a height dimension less than 800mm.

Scaffolding

14.(1) Every contractor using access scaffolding, shall ensure that such scaffolding, when used, complies with the safety standards incorporated for this purpose into these Regulations under section 44 of the Act.

(2) A contractor shall ensure that all scaffolding work operations are carried out under the supervision of a competent person who has been appointed in writing and that all scaffold erectors, team leaders and inspectors are competent to carry out their work.

Suspended platforms

15.(1) A contractor shall ensure that all suspended platform work operations are carried out under the supervision of a competent person who has been appointed in writing, and that all suspended platform erectors, operators and inspectors are competent to carry out their work.

(2) No contractor shall use or permit the use of a suspended platform, unless—

- (a) the design, stability and construction thereof comply with the safety standards incorporated for this purpose into these Regulations under section 44 of the Act;

- (b) in possession of a certificate of system design issued by a professional engineer, certificated engineer or a professional technologist for the use of the suspended platform system; and
- (c) he or she is, prior to the commencement of the work, is in possession of an operational compliance plan developed by a competent person based on the certificate of system design contemplated in paragraph (b) and applicable to the environment in which the system is being used, prior to the commencement of the work which must include proof of the—
 - (i) competent person who has been appointed for supervision;
 - (ii) competency of erectors, operators and inspectors;
 - (iii) operational design calculations which should comply with the requirements of the system design certificate;
 - (iv) performance test results;
 - (v) sketches indicating the completed system with the operational loading capacity of the platform;
 - (vi) procedures for and records of inspections having been carried out; and
 - (vii) procedures for and records of maintenance work having been carried out.

Provided that sub regulation (2) shall only become applicable six months from the date of promulgation of these regulations.

(3) A contractor making use of a suspended platform system shall forward a copy of the certificate of system design issued by a professional engineer, certificated engineer or professional technologist including a copy of the design calculations, sketches and test results, to the provincial director before commencement of the use of the system and must further indicate the intended type of work, the system would be used for.

(4) A contractor need not re-submit a copy of the certificate of system design contemplated in sub regulation (3) for every new project: Provided that the environment in which the system is being used does not change to such an extent that the system design certificate is no longer applicable and, should uncertainty exist of the applicability of the system design certificate, the decision of a professional engineer, certificated engineer or professional technologist shall be decisive.

(5) A contractor shall ensure that the outriggers of each suspended platform—

- (a) are constructed of steel or any other material of similar strength and have a safety factor of at least four in relation to the load it is to carry; and
- (b) have suspension points provided with stop devices or other effective devices at the outer ends to prevent the displacement of ropes.

(6) The contractor shall ensure that—

- (a) the parts of the building or structure on which the outriggers are supported, are checked by means of calculations to ensure that the required safety factor is adhered to without risk of damage to the building or structure;
- (b) the suspension wire rope and the safety wire rope are separately connected to the outrigger;
- (c) each person on a suspended platform is provided with and wears a safety harness as a fall prevention device which must at all times, be attached to the suspended platform or to the anchorage points on the structure whilst on the suspended platform;

- (d) the hand or power driven machinery to be used for the lifting or lowering of the working platform of a suspended platform is constructed and maintained in such a manner that an uncontrolled movement of the working platform cannot occur;
- (e) the machinery referred to in paragraph (d) is so situated that it is easily accessible for inspection;
- (f) the rope connections to the outriggers are vertically above the connections to the working platform; and
- (g) where the working platform is suspended by two ropes only, the connections of the ropes to the working platform are of such height above the level of the working platform as to ensure the stability of the working platform.

(7) A contractor shall ensure that the suspended platform—

- (a) is suspended as near as possible to the structure to which work is being done and, except when light work is being done, is secured at every working position to prevent horizontal movement between the suspended platform and the structure;
- (b) is fitted with anchorage points to which workers shall attach the lanyard of the safety harness worn and used by the worker and such anchorage connections shall have sufficient strength to withstand any potential load applied to it; and
- (c) is fitted with a conspicuous notice easily understandable by all workers working with the suspended platform, showing the maximum mass load which the suspended platform can carry.

(8) A contractor shall cause—

- (a) the whole installation and all working parts of the suspended platform to be thoroughly examined in accordance with the manufacturer's specification;
- (b) the whole installation to be subjected to a performance test as determined by the standard to which the suspended platform was manufactured;
- (c) the performance test contemplated in paragraph (b) to be done by a competent person appointed in writing with the knowledge and experience of erection and maintenance of suspended platforms or similar machinery and who shall determine the serviceability of the STRUCTURES, ropes, machinery and safety devices before they are used following every time they are erected;
- (d) the performance test contemplated in paragraph (b) of the whole installation of the suspended platform shall be subjected to a load equal to that prescribed by the manufacturer or, in the absence of such load, to a load of 110 per cent of the rated mass load, at intervals not exceeding 12 months and in such a manner that every part of the installation is stressed accordingly;

(10) Notwithstanding the provisions of subregulation (8), the contractor shall cause every hoisting rope, hook or other load-attaching device which forms part of the suspended platform to be thoroughly examined in accordance with the manufacturer's specification by the competent person contemplated in subregulation (8) before they are used following every time they are assembled, and, in cases of continuous use, at intervals not exceeding three months.

(11) A contractor shall ensure that the suspended platform supervisor appointed in terms of the provisions of subregulation (1), or the suspended platform inspector mentioned in subregulation (1), carries out a daily inspection of all the equipment prior to use, including establishing whether —

- (a) all connection bolts are secure;
- (b) all safety devices are functioning;

- (c) all safety devices are not tampered with or vandalised;
- (d) the maximum mass load of the platform is not exceeded;
- (e) the occupants in the suspended platform are using safety harnesses which have been properly attached;
- (f) there are no visible signs of damage to the equipment; and
- (g) all reported operating problems have been attended to.

(12) A contractor shall ensure that all inspection and performance test records are kept on the construction site at all times and made available to an inspector, client, client's agent or employee upon request.

(12) A contractor shall ensure that all employees required to work or to be supported on a suspended platform are—

- (a) physically and psychologically fit to work safely in such an environment by being in possession of a medical certificate of fitness;
- (b) competent in conducting their work safely relating to suspended platforms and the training which employees receive or had received must include at least—
 - (i) how to access and egress the suspended platform safely;
 - (ii) how to correctly operate the controls and safety devices of the equipment;
 - (iii) information on the dangers related to the misuse of safety devices; and
 - (iv) information on the procedures to be followed in the case of—
 - (aa) an emergency;
 - (bb) the malfunctioning of equipment;
 - (cc) the discovery of a suspected defect in the equipment; and
 - (v) instructions on the proper use of safety harnesses.

(13) Where the outrigger is to be moved, the contractor shall ensure that only persons trained and competent to effect such move, perform this task and that an inspection be carried out and the results thereof be recorded by the competent person prior to re-use of the suspended platform.

(14) A contractor shall ensure that the suspended platform is properly isolated after use at the end of each working day such that no part of the suspended platform will present a danger to any person thereafter.

Boatswain's chairs

16.(1) A contractor shall ensure that every boatswain's chair or similar device is securely suspended and is constructed in such a manner so as to prevent any occupant from falling therefrom.

(2) The contractor shall ensure that an inspection is carried out prior and a performance test immediately after, the boatswain chair has been erected and thereafter a visual inspection should be carried out on a daily basis prior to use.

Material hoists

17.(1) A contractor shall ensure that every material hoist and its tower have been constructed of sound material in accordance with the generally accepted technical standards and are strong enough and free from defects.

(2) A contractor shall cause the tower of every material hoist to be—

- (a) erected on firm foundations and secured to the structure or braced by steel wire guy ropes and to extend to such a distance above the highest landing as to allow a clear and unobstructed space of at least 900 mm for overtravel;
- (b) enclosed on all sides at the bottom, and at all floors where persons are at risk of being struck by moving parts of the hoist, except on the side or sides giving access to the material hoist, with walls or other effective means to a height of at least 2100 mm from the ground or floor level; and
- (c) provided with a door or gate at least 2100 mm in height at each landing and such door or gate shall be kept closed, except when the platform is at rest at such a landing.

(3) A contractor shall cause—

- (a) the platform of every material hoist to be designed in such a manner that it shall safely contain the loads being conveyed and that the combined weight of the platform and the load does not exceed the designed lifting capacity of the hoist;
- (b) the hoisting rope of every material hoist which has a remote winch to be effectively protected from damage by any external cause to the portion of the hoisting rope between the winch and the tower of the hoist; and
- (c) every material hoist to be provided with an efficient brake capable of holding the platform with its maximum load in any position when the power is not being supplied to the hoisting machinery.

(4) No contractor shall require or permit trucks, barrows or material to be conveyed on the platform of a material hoist and no person shall so convey trucks, barrows or material unless such articles are so secured or contained in such a manner that displacement thereof cannot take place during movement.

(5) A contractor shall cause a notice, indicating the maximum mass load which may be carried at any one time and the prohibition of persons from riding on the platform of the material hoist, to be affixed around the base of the tower and at each landing.

(6) A contractor of a material hoist shall not require or permit any person to operate such a hoist, unless the person is competent in the operation thereof.

(7) No contractor shall require or permit any person to ride on a material hoist.

(8) A contractor shall cause every material hoist—

- (a) to be inspected on a daily basis by a competent person who has been appointed in writing and has the experience pertaining to the erection and maintenance of material hoists or similar machinery.
- (b) inspection contemplated in paragraph (a), to include the determination of the serviceability of the entire material hoist including guides, ropes and their connections, drums, sheaves or pulleys and all safety devices.
- (c) inspection result to be entered and signed in a record book which shall be kept on the premises for that purpose.
- (d) to be properly maintained and that the maintenance records in this regard are kept on site.

(a)

Batch plants

18.(1) A contractor shall ensure that all batch plants are operated and supervised by a competent person who has been appointed in writing.

(2) A contractor shall ensure that the placement and erection of a batch plant complies with the requirements set out by the manufacturer and that such plant is erected as designed.

(3) A contractor shall ensure that all devices to start and stop a batch plant are provided and that these devices are—

- (a) placed in an easily accessible position; and
- (b) constructed in such a manner as to prevent accidental starting.

(4) The contractor shall ensure that the machinery and plant selected is suitable for the task and that all dangerous moving parts of a mixer are placed beyond the reach of persons by means of doors, covers or other similar means.

(5) No person shall be permitted to remove or modify any guard or safety equipment relating to a batch plant, unless authorised to do so by the appointed person as contemplated in sub regulation (1).

(6) A contractor shall ensure that all persons authorised to operate the batch plant are fully—

- (a) aware of all the dangers involved in the operation thereof; and
- (b) conversant with the precautionary measures to be taken in the interest of health and safety.

(7) No person supervising or operating a batch plant shall authorise any other person to operate the plant, unless such person is competent to operate such machinery.

(8) A contractor shall ensure that all precautionary measures as stipulated for confined spaces in the General Safety Regulations promulgated by Government Notice No.R.1031 dated 30 May 1986, as amended, are adhered to when entering any silo.

(9) A contractor shall ensure that a record is kept of any repairs or maintenance to a batch plant and that it is made available, on site, to an inspector, client, client's agent or employee upon request.

(10) A contractor shall ensure that all lifting machines and lifting tackle used in the operation of a batch plant complies with the requirements of the Driven Machinery Regulations promulgated by Government Notice No.R.295 dated 26 February 1988, as amended;

(11) A contractor shall ensure that all precautionary measures are adhered to regarding the usage of electrical equipment in explosive atmospheres, when entering a silo, as contemplated in the Electrical Installation Regulations promulgated by Government Notice No.R. 2920 dated 23 October 1992, as amended.

Explosive powered tools

19.(1) No contractor shall use or permit any person to use an explosive powered tool, unless—

- (a) it is provided with a protective guard around the muzzle end, which effectively confines any flying fragments or particles; and

- (b) the firing mechanism is so designed that the explosive powered tool will not function unless—
 - (i) it is held against the surface with a force of at least twice its weight; and
 - (ii) the angle of inclination of the barrel to the work surface is not more than 15 degrees from a right angle;

Provided that the provisions of this sub regulation shall not apply to explosive powered tools in which the energy of the cartridge is transmitted to the bolts, nails or similar relevant objects by means of an intermediate piston which has a limited distance of travel.

(2) A contractor shall ensure that—

- (a) only cartridges suited for the explosive powered tool and the work to be performed are used;
- (b) the explosive powered tool is cleaned and examined daily before use and as often as may be necessary for its safe operation by a competent person who has been appointed;
- (c) that the safety devices are in proper working order prior to use;
- (d) when not in use, the explosive powered tool and the cartridges are locked up in a safe place, which is inaccessible to unauthorized persons;
- (e) the explosive powered tool is not stored in a loaded condition;
- (f) a warning notice is displayed in a conspicuous manner wherever the explosive powered tool is used;
- (g) the issuing and collection of cartridges and nails or studs is-
 - (i) controlled and done in writing by a person having been appointed in writing; and
 - (ii) recorded in a register and that the recipient has accordingly signed for the receipt thereof as well as the returning of any spent and unspent cartridges;

(3) No contractor shall permit or require any person to use an explosive powered tool unless such person has been—

- (a) provided with and uses suitable protective equipment; and
- (b) trained in the operation, maintenance and use of such a tool.

Cranes

20. Notwithstanding the provisions of the Driven Machinery Regulations promulgated by Government Notice No.R.295 of 26 February 1988, as amended, a contractor shall ensure that where tower cranes are used—

- (a) account is taken of the effects of wind forces on the structure;
- (b) account is taken of the bearing capacity of the ground on which the tower crane is to stand;
- (c) the bases for the tower cranes and tracks for rail-mounted tower cranes are firm and level;
- (d) the tower cranes are erected at a safe distance from excavations;
- (e) there is sufficient clear space available for erection, operation and dismantling;
- (f) the tower crane operators are competent to carry out the work safely; and
- (g) the tower crane operators are physically and psychologically fit to work in such an environment by being in possession of a medical certificate of fitness.

Construction vehicles and mobile plant

21.(1) A contractor shall ensure that all construction vehicles and mobile plants—

- (a) are of an acceptable design and construction;
- (b) are maintained in a good working order;
- (c) are used in accordance with their design and the intention for which they were designed, having due regard to safety and health;
- (d) are operated by workers who-
 - (i) have received appropriate training and been certified competent and been authorized to operate such machinery; and
 - (ii) are physically and psychologically fit to operate such construction vehicles and mobile plant by being in possession of a medical certificate of fitness;
- (e) have safe and suitable means of access;
- (f) are properly organized and controlled in any work situation by providing adequate signaling or other control arrangements to guard against the dangers relating to the movement of vehicles and plant, in order to ensure their continued safe operation;
- (g) are prevented from falling into excavations, water or any other area lower than the working surface by installing adequate edge protection, which may include guardrails and crash barriers;
- (h) where appropriate, are fitted with STRUCTURES designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;
- (i) are equipped with an electrically operated acoustic signaling device and a reversing alarm; and
- (j) are on a daily basis inspected prior to use, by a competent person who has been appointed in writing and the findings of such inspection is recorded in a register.

(2) A Contractor shall furthermore ensure that—

- (a) no person rides or be required or permitted to ride on any construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;
- (b) every construction site is organised in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;
- (c) the traffic routes are suitable for the persons using them, sufficient in number, in suitable positions and of sufficient size;
- (d) every traffic route is, where necessary indicated by suitable signs for reasons of health or safety;
- (e) all construction vehicles and mobile plant left unattended at night, adjacent to a freeway in normal use or adjacent to construction areas where work is in progress, shall have appropriate lights or reflectors, or barricades equipped with appropriate lights or reflectors, in order to identify the location of the vehicles or plant;
- (f) bulldozers, scrapers, loaders, and other similar mobile plant are, when being repaired or when not in use, fully lowered or blocked with controls in a neutral position, motors stopped and brakes set;
- (g) whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation;

- (h) tools and material are secured in order to prevent movement when transported in the same compartment with employees;
- (i) vehicles used to transport employees have seats firmly secured and adequate for the number of employees to be carried; and
- (j) when workers are working on or adjacent to public roads, reflective indicators are provided and worn by the workers.

Electrical installations and machinery on construction sites

22. Notwithstanding the provisions contained in the Electrical Installation Regulations promulgated by Government Notice No.R.2920 of 23 October 1992 and the Electrical Machinery Regulations promulgated by Government Notice No. R.1593 of 12 August 1988, respectively, as amended, a contractor shall ensure that—

- (a) before construction commences and during the progress thereof, adequate steps are taken to ascertain the presence of and guard against danger to workers from any electrical cable or apparatus which is under, over or on the site;
- (b) all parts of electrical installations and machinery are of adequate strength to withstand the working conditions on construction sites;
- (c) in working areas where the exact location of underground electric power lines is unknown, employees using jackhammers, shovels or other hand tools which may make contact with a power line, are provided with insulated protective gloves or otherwise that the handle of the tool being used is insulated;
- (d) all temporary electrical installations are inspected at least once a week and electrical machinery on a daily basis before use on a construction site by competent persons and the records of these inspections are recorded in a register to be kept on site; and
- (e) the control of all temporary electrical installations on the construction site is designated to a competent person who has been appointed in writing.

Use and temporary storage of flammable liquids on construction sites

23. Notwithstanding the provisions for the use and storage of flammable liquids as determined in the General Safety Regulations promulgated by Government Notice No.R1031 dated 30 May 1986, as amended, a contractor shall ensure that—

- (a) where flammable liquids are being used, applied or stored at the workplace concerned, this is done in such a manner which would cause no fire or explosion hazard, and that the workplace is effectively ventilated: Provided that where the workplace cannot effectively be ventilated-
 - (i) every employee involved is provided with a respirator, mask or breathing apparatus of a type approved by the chief inspector, and
 - (ii) steps are taken to ensure that every such employee, while using or applying flammable liquid, uses the apparatus supplied to him or her;
- (b) no person smokes in any place in which flammable liquid is used or stored, and such contractor shall affix a suitable and conspicuous notice at all entrances to any such areas prohibiting such smoking;
- (c) flammable liquids on a construction site is stored in a well ventilated reasonably fire resistant container, cage or room and kept locked with proper access control measures in place;
- (d) an adequate amount of efficient fire-fighting equipment is installed in suitable locations around the flammable liquids store with the recognized symbolic signs;
- (e) only the quantity of flammable liquid needed for work on one day is to be taken out of the store for use;

- (f) all containers holding flammable liquids are kept tightly closed when not in actual use and, after their contents have been used up, to be removed from the construction site and safely disposed of;
- (g) where flammable liquids are decanted, the metal containers are bonded or earthed; and
- (h) no flammable material such as cotton waste, paper, cleaning rags or similar material is stored together with flammable liquids.

Water environments

24.(1) A contractor shall ensure that where construction work is done over or in close proximity to water, provision is made for—

- (a) preventing workers from falling into water; and
- (b) the rescuing of workers in danger of drowning.

(2) A contractor shall ensure that where a worker is exposed to the risk of drowning by falling into the water, a lifejacket is provided to and worn by the worker.

Housekeeping on construction sites

25. Notwithstanding the provisions of the Environmental Regulations for Workplaces promulgated by Government Notice No.R 2281 dated 16 October 1987, as amended, a contractor shall ensure that—

- (a) suitable housekeeping is continuously implemented on each construction site, including provisions for the—
 - (i) proper storage of materials and equipment; and
 - (ii) removal of scrap, waste and debris at appropriate intervals;
- (b) loose materials required for use, are not placed or allowed to accumulate on the site so as to obstruct means of access to and egress from workplaces and passageways;
- (c) waste and debris are not disposed of from a high place with a chute, unless the chute complies with the requirements set out regulation 12(6); and
- (d) construction sites in built-up areas, adjacent to a public way are suitably and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorized persons.
- (e) a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under, or fence off the danger area if work is being performed above such entrance, passageway, or place so as to ensure that all persons are kept safe where there is a danger or possibility of persons being struck by falling objects.

Stacking and storage on construction sites

26. Notwithstanding the provisions for the stacking of articles contained in the General Safety Regulations promulgated by Government Notice No.R1031 dated 30 May 1986, as amended, a contractor shall ensure that—

- (a) a competent person is appointed in writing with the duty of supervising all stacking and storage on a construction site;
- (b) adequate storage areas are provided;
- (c) there are demarcated storage areas; and
- (d) storage areas are kept neat and under control.

Fire precautions on construction sites

27. Subject to the provisions of the Environmental Regulations for Workplaces promulgated by Government Notice No.R.2281 of 16 October 1987, as amended, every contractor shall ensure that—

- (a) all appropriate measures are taken to avoid the risk of fire;
- (b) sufficient and suitable storage is provided for flammable liquids, solids and gases;
- (c) smoking is prohibited and notices in this regard are prominently displayed in all places containing readily combustible or flammable materials;
- (d) in confined spaces and other places in which flammable gases, vapours or dust can cause danger—
 - (i) only suitably protected electrical installations and equipment, including portable lights, are used;
 - (ii) there are no flames or similar means of ignition;
 - (iii) there are conspicuous notices prohibiting smoking;
 - (iv) oily rags, waste and other substances liable to ignite are without delay removed to a safe place; and
 - (v) adequate ventilation is provided;
- (e) combustible materials do not accumulate on the construction site;
- (f) welding, flame cutting and other hot work are done only after the appropriate precautions as required have been taken to reduce the risk of fire;
- (g) suitable and sufficient fire-extinguishing equipment is placed at strategic locations or as may be recommended by the Fire Chief or local authority concerned, and that such equipment is maintained in a good working order;
- (h) the fire equipment contemplated in paragraph (g) is inspected by a competent person, who has been appointed in writing, in the manner indicated by the manufacturer thereof;
- (i) a sufficient number of workers are trained in the use of fire-extinguishing equipment;
- (j) where appropriate, suitable visual signs are provided to clearly indicate the escape routes in the case of a fire;
- (k) the means of escape is kept clear at all times;
- (l) there is an effective evacuation plan providing for all—
 - (i) persons to be evacuated speedily without panic;
 - (ii) persons to be accounted for, and
 - (iii) plant and processes to be shut down; and
- (m) a siren is installed and sounded in the event of a fire.

Construction welfare facilities

28.(1) Notwithstanding the construction site provisions contained in the Facilities Regulations promulgated by Government Notice No.R. 2362 of 5 October 1990, as amended, a contractor shall, depending on the number of workers and the duration of the work, provide at or within reasonable access of every construction site, the following clean and maintained facilities:—

- (a) at least one shower facility for every 15 workers;
- (b) at least one sanitary facility for every 30 workers;

(c) changing facilities for each sex; and

(d) sheltered eating areas.

(2) A contractor shall provide reasonable and suitable living accommodation for the workers at construction sites which are remote from their homes and where adequate transportation between the site and their homes, or other suitable living accommodation, is not available.

Approved inspection authorities

29.(1) The Chief Inspector may approve as an Inspection Authority any organization that has been accredited in terms of the provision of the Act and these regulations.

(2) The Chief Inspector may at any time withdraw any approval of an approved inspection authority, subject to section 35 of the Act.

Offences and penalties

30. Any person who contravenes or fails to comply with any of the provisions of regulations 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 and 28, shall be guilty of an offence and liable upon conviction to a fine or to imprisonment for a maximum of 12 months and, in the case of a continuous offence, to an additional fine of R200 for each day on which the offence continues or additional imprisonment of one day for each day on which the offence continues: Provided that the period of such additional imprisonment shall not exceed 90 days.

Repeal of regulations

31. The following regulations are herewith repealed:

- (a) Regulations 11, 12, 13, 13C, 13D, 13E, 13F and 13G of the, General Safety Regulations promulgated by Government Notice No.R.1031 of 30 May 1986;
- (b) Regulations 19 and 20 of the, Driven Machinery Regulations promulgated by Government Notice No.R.295 of 26 February 1988; and
- (c) Regulations 14 of the, General Administrative Regulations promulgated by Government Notice No.R.1449 of 6 September 1996.

Short title

32. These regulations shall be known as the Construction Regulations, 2003.

ADDENDUM A

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
Regulation 3 of the Construction Regulations, 2003

NOTIFICATION OF CONSTRUCTION WORK

1.(a) Name and postal address of principal contractor:

(b) Name and tel. no of principal contractor's contact person:

2. Principal contractor's compensation registration number: _____

3.(a) Name and postal address of client: _____

(b) Name and tel no of client's contact person or agent:

4.(a) Name and postal address of designer(s) for the project:

(b) Name and tel. no of designer(s) contact person:

5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6.(1). _____

6. Name/s of principal contractor's sub-ordinate supervisors on site appointed in terms of regulation 6.(2).

7. Exact physical address of the construction site or site office:

8. Nature of the construction work:

9. Expected commencement date: _____

10. Expected completion date: _____

11. Estimated maximum number of persons on the construction site. _____

12. Planned number of contractors on the construction site accountable to principal contractor: _____

13. Name(s) of contractors already chosen.

Principal Contractor _____

_____ Date

Client _____

_____ Date

- THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.
- **ALL PRINCIPAL CONTRACTORS** THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM B

Occupational Health and Safety Specification

MPUMALANGA PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

(Hereinafter referred to as the Employer)

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

This specification shall be used in conjunction with all other applicable safety specifications, legislation and regulations in force at the time of the contract. Where unique site specifications are in force, those site specifications shall take precedence over this Specification.

34 Brown Street
1st Floor ABSA Building
Nelspruit
PO Box 6870
Nelspruit
1200

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ADDENDUMS:

- A) Pro-Forma Agreement In Terms Of Occupational Health And Safety Act 1993
- B) Notification of Construction Work

1. SCOPE

This specification details the health and safety requirement associated with the Works.

2. INTERPRETATIONS

Occupational Health and Safety Act, Act 85 of 1993 shall apply to this Contract. The Construction Regulations promulgated on 18 July 2003 and incorporated into the said Act by Government Notice R 1010, published in Government Gazette 25207 apply to any person involved in construction work. These regulations are hereinafter referred to as "the Construction Regulations" and the said Act as "the Act".

Construction work is defined as: Any work in connection with: -

- a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;
- b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work.

3. GENERAL

3.1 Employer

3.1.1 The Employer will appoint the Contractor in writing for the execution of the works.

3.1.2 The Employer will take reasonable steps to ensure that the Contractor's health and safety plan is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

- 3.1.3 The Employer or his Agent will stop the Contractor from executing construction work should the Contractor at any stage in the execution of the works :
- a) fail to implement or maintain his health and safety plan;
 - b) execute construction work which is not in accordance with his health and safety plan; or
 - c) act in any way which may pose a threat to the health and safety of persons.

3.2 Contractor

- 3.2.1 The Contractor shall accept the appointment under the terms and Conditions of Contract. The Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3 of the Construction Regulations. ADDENDUM B of this Specification contains a "Notification of Construction Work" form. The Contractor shall submit the notification in writing prior to commencement of work.
- 3.2.2 The Contractor shall ensure that he is fully conversant with the requirements of this Specification. The specification is not intended to supersede the Act nor the Construction Regulations. Those sections of the Act and the Construction Regulations which apply to the scope of work to be performed by the Contractor in terms of this contract continue to be a legal requirement of the Contractor.
- 3.2.3 The Contractor shall provide and demonstrate to the Employer a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works.
- 3.2.4 The Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.
- 3.2.5 The Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations.

- 3.2.6 The Contractor shall consistently demonstrate his competence and adequacy of resources to perform the duties imposed on the Contractor in terms of this Specification, the Act and the Construction Regulations.
- 3.2.7 The Contractor shall ensure that a copy of his health and safety plan is available on request to the Employer, an Inspector, Employee or Sub-contractor.
- 3.2.8 The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Employer or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the Employer.
- 3.2.9 The Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Contractor.

4. GENERAL REQUIREMENTS

4.1 Contractor's Construction Safety Officer

Before commencing work, the Contractor shall designate a competent construction safety officer (CSO) who shall be acceptable to the representative / agent to represent and act for the Contractor. The Contractor shall inform the representative / agent in writing of the name and address of the Contractor's CSO and of any subsequent changes in the name and address of the officer, together with the scope and limitations of the CSO's authority to act for the Contractor. The Contractor's CSO shall make available to the Employer a telephone number at which the CSO can be contacted at any time in the event of an emergency involving any of the Contractor's employees, or other persons at the Works.

4.2 Log Books

The Contractor shall keep the following log books and shall make them available to the Representative/Agent on request:

- 4.2.1 A record of the names and addresses of its employees who are registered as trained fire-fighting personnel and who are available on site for fire-fighting duties.

4.2.2 A record of the weekly inspection of first aid boxes.

- 4.2.3 A record of the weekly inspections of ladders
- 4.2.4 A record of the weekly inspections of fire-fighting equipment.
- 4.2.5 A record of the monthly inspections of welding machines.
- 4.2.6 A record of the monthly inspections of oxy-acetylene equipment.
- 4.2.7 A record of the weekly inspections of scaffolding STRUCTURES.
- 4.2.8 A record of the monthly inspections of builder's hoists.
- 4.2.9 A record of the monthly inspections of mobile and tower cranes.
- 4.2.10 A record of the monthly inspections of lifting gear.
- 4.2.11 A record of the inspections of electrical equipment.
- 4.2.13 A record of the weekly inspections of plant for gauging and mixing of materials for concrete.

4.3 First Aid

4.3.1 Safety Notice Board

The Contractor shall provide a safety notice board where safety notices, site regulations concerning safe working practices and information on the nearest first aid station, ambulance, doctor and telephone numbers of the CSO and other relevant persons can be conspicuously displayed to its entire staff. The size of the notice board shall be at least 600mm x 800mm.

4.3.2 First Aid Equipment

The Contractor shall provide for its employees a stretcher for emergencies and an approved first aid box. The first aid box shall be checked weekly by a responsible person, who shall be appointed by the Contractor, and a record shall be kept of the contents. Any deficient medical supplies shall be promptly replenished by the Contractor.

4.3.3 Reporting of incidents and / or injuries

All incidents in respect of damage to Works, property or machinery, or injury to persons, shall be reported by the Contractor's Safety Officer or Site Representative to the Representative / agent by the quickest means possible.

A mandatory incident report form, containing full details of the incident, shall be completed and submitted to the representative/ agent within twenty four (24) hours of the occurrence of the incident.

The representative/ agent shall have the right to make all or any enquiries as to the cause and result of any such incident. The Contractor shall provide the representative / agent

with full facilities for carrying out such enquiries.

4.4 Risk Assessment and Safety Policy

Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and this shall form part of the health and safety plan.

A copy of the risk assessment shall be available on site at all times for inspection.

The Contractor shall at all times carry out the Works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. The Contractor shall take all precautions, which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property. The Contractor shall continually inspect all work, materials and equipment to discover and determine any such conditions and shall be solely responsible for the discovery, determination and elimination of such conditions.

During the period of this Contract, the Contractor shall be responsible for the safe storage of all materials and equipment required for execution of the Contract, and for disposal of all non-usable waste material in an orderly manner.

All materials, whether stored on the construction site or within the Contractor's designated area, shall be stored neatly and safely to prevent possible injury to any personnel. The material shall be stored to facilitate safe access to, and removal of the material from the storage area.

Any flammable material, such as paint, diesel fuel and oil, shall be stored in lockable non-combustible STRUCTURES, which shall be clearly marked to indicate the hazardous nature of the materials stored within. The flammable materials stores shall be located in safe areas away from hazardous surroundings and adequate and suitable fire-fighting equipment shall be provided within easy reach of the materials stores.

4.5 Danger Areas

All danger areas shall be demarcated by the Contractor with appropriate tape and hazard notices to prevent unauthorized persons entering the danger area.

4.6 Hazard Notices

The Contractor shall display hazard notices in all areas identified in the risk assessment as potentially hazardous.

4.7 Personal Protective Clothing

The Contractor shall provide the necessary personal protective clothing for his employees in hazardous areas, appropriate to the nature of the hazard identified in the risk assessment.

4.7.1 Hard Hats

All employees of the Contractor shall wear hard hats in areas where appropriate hazard notices are displayed. The representative/ agent shall have the right to ban certain colours if they are similar to the employer's identifying colours. Hard hats shall not be painted or otherwise defaced.

4.7.2 Eye Protection

Suitable eye protection shall be worn in areas where appropriate hazard notices are displayed, or when grinding, chipping, breaking, drilling, arc-welding, cutting with oxyacetylene equipment of similar activities are taking place.

4.7.3 Hearing Protection

Suitable hearing protection shall be worn in areas where appropriate hazard notices are displayed.

4.7.4 Foot Wear

All employees of the Contractor shall wear undamaged, laced-up safety boots or safety shoes, suitable for the intended purpose, in prescribed areas where appropriate hazard notices are displayed.

4.7.5 Gloves

All employees of the Contractor's shall wear suitable protective gloves in areas where appropriate hazard notices are displayed or when handling hot or hazardous materials or chemicals.

4.7.6 Clothing

All employees of the Contractor shall wear suitable protective clothing when working in proximity of machinery, power tools, hazardous materials or chemicals.

4.8 Road Traffic Ordinance / Transportation Act

4.8.1 The Contractor shall ensure that drivers of motor vehicles are in possession of a driver's licence, valid for the class of vehicle which they are required to drive, and shall produce the licence on request.

4.8.2 The Contractor shall not permit any driver to be in control of a vehicle at the Works while under the influence of alcohol or drugs.

4.8.3 All vehicles of the Contractor shall display a name board bearing the Contractor's name. Hired vehicles shall bear an identifying sticker.

4.9 Overhead Power lines

Regulations of the Electricity Supply Authority in connection with prohibition of operations in the vicinity of overhead power lines shall be observed by the Contractor at all times.

4.10 Machine Guarding

All power tools and machinery driven by belts, gears, ropes, chains, couplings and similar drives shall be adequately guarded. The Contractor shall prohibit the use of any equipment with a damaged, missing or inadequate guard.

4.11 Concrete Mixing Equipment

No Contractor shall use or cause to be used any plant for the storage, gauging and mixing of materials for concrete unless:

- a) The aggregates of different nominal size are separately stored in such a way that segregation, intermixing of different materials and contamination by foreign matter is prevented.
- b) The storage area shall be protected from unauthorized entry by an adequate barrier. A safe and tidy approach shall be maintained to the aggregate storage area.
- c) The Contractor shall appoint operators skilled in the operation of the plant.
- d) On a weekly basis, the plant shall be inspected by a competent person. The inspections shall include a check of the calibration of all the measuring devices and shall be recorded in a logbook, which shall be made available to the

Representative/Agent on request.

4.12 Ladders

4.12.1 Every ladder shall be:

- a) Of good construction, sound material and adequate strength and suitable to the purpose for which it is used (e.g. electricians shall use suitable insulated ladders)
- b) Fitted with non-skid devices at the bottom of the stiles or with hooks or similar devices at the tops of the stiles.

4.12.2 Except for extension ladders, no ladder shall be used which is longer than 4,5m and no ladder shall have its reach extended by tying together two or more ladders.

4.12.3 All ladders shall be inspected weekly and a log shall be kept of the inspections.

4.13 Scaffold Framework

4.13.1 Scaffold standards shall be firmly supported and secured against displacement and shall be kept vertical.

4.13.2 No Contractor shall use, or cause to be used, any scaffold unless it is inspected by a competent person at least once a week and after inclement weather.

5. SPECIAL REQUIREMENTS

5.1 Excavation/Shoring

5.1.1 The Contractor shall ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing.

5.1.2 The face of an excavation shall not be undercut.

5.1.3 All excavations, irrespective of depth, shall be adequately screened off with barrier tape or some other suitable means of warning persons of a hazardous area. Where the depth of the excavation exceeds 2 m, a wooden or steel barrier shall also be erected around the excavation, particularly at the end of the working shift and at the start of weekends and holidays to prevent persons from falling into the excavations.

5.1.4 No construction materials shall be allowed to fall into an excavation. A safe and tidy approach shall be maintained around all excavations.

5.1.5 Adequate shoring, according to the recommendations of SABS 1200, Section D, 1988, shall be provided in the excavation by the Contractor when necessary. The shoring shall be approved by the Representative/Agent before excavation work continues.

5.2 Formwork and Support Work

The Contractor shall ensure that:

- a) All formwork and support work operations are carried out under the supervision of a competent person who has been appointed by the Contractor in writing for that purpose.
- b) all formwork and support work STRUCTURES are adequately designed, erected, supported, braced and maintained so that they will be capable of supporting all anticipated vertical and lateral loads that may be applied to them and also that no loads are imposed onto the structure that the structure is not designed to withstand;
- c) the foundation conditions are and remain suitable to withstand the load caused by the formwork and support work structure and any imposed loads such that the formwork and support work structure are stable;
- d) all formwork and support work STRUCTURES are inspected by a competent person, who has been appointed by the Contractor in writing for that purpose, immediately before, during and after, the placement of concrete of any other imposed load and thereafter on a daily basis until the formwork and support work structure has been removed and the results have been recorded in a register and made available on the site of the Works; and
- e) upon casting concrete, the support work or formwork structure should be left in place until the concrete has acquired sufficient strength to support safely, not only its own load, but also any imposed loads, and not removed until authorization has been given by the competent person contemplated in sub-paragraph (a).

5.3 Prevention of Uncontrolled Collapse

The Contractor shall ensure that -:

- a) All reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying of construction work; and
- b) no structure or part of a structure is loaded in a manner that would render it unsafe.

5.4 Safe Working Loads

The Contractor shall ensure that:-

- a) the safe working loads of hoists, load-bearing beams and cranes are prominently displayed at all times,
- b) the safe working loads are not exceeded under any circumstances,
- c) all lifting gear is marked with a unique identity number and recorded in a register.

5.5 Electrical Equipment and Procedures Used by the Contractor

5.5.1 All electrical equipment shall be regularly inspected by a qualified electrician, who shall be appointed by the Contractor, and the inspections shall be logged. The frequency of inspections shall be determined by the Representative/agent. A record of the inspections shall be kept and shall be made available to the Representative/agent on request.

5.5.2 The Contractor shall ensure that all his electrical equipment conforms to operational and safety requirements.

5.5.3 All earth leakage units shall be tested at intervals of not more than one month and signed for by a qualified electrician.

5.6 Commissioning Safety Precautions

The Contractor shall ensure that wherever repairs, adjustments or any other work are undertaken on any plant or machinery, the power supply is switched off, disconnected or the plant/ machinery disengaged until the work or repairs have been completed.

5.7 Toxic Materials

The Contractor shall exercise all necessary care in the handling of toxic compounds and shall be able to identify the major chemical components in the event of medical treatment being required.

5.8 Hazardous Chemicals and Materials

- a) The Contractor shall provide suitable adequate protective equipment when working in an area where hazardous chemicals and materials are being used.
- b) The Contractor shall ensure that its employees have familiarized themselves with the hazardous material data sheets applicable to the specific site as well as the location of the firefighting equipment, safety showers/ baths and other washing facilities, prior to the commencement of work.

5.9 Indemnity of Employer and his Agents

- a) The ADDENDUM to this Contract Document contain a “Mandatory Form of Authority and Agreement in terms of Section 37 (2) of the Occupational Health and Safety Act, No,85 of 1993 which agreement shall be entire into and duly signed by both the Employer and Contractor prior to commencement with work. A copy of the signed agreement shall be included in the Contractor’s health and safety plan.
- b) Any acceptance, approval, check, certificate, consent, examination, inspection, instruction, notice, observation, proposal, request, test or similar act by either the Employer, any of his agents or the representative /agent including lack of disapproval shall not relieve the Contractor from any responsibility he has under the Act and the Construction Regulations, including responsibility for errors, omissions, discrepancies and non- compliance.

ADDENDUM "A"

**PRO-FORMA AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT
1993**

PRO-FORMA AGREEMENT IN TERMS OF

OCCUPATIONAL HEALTH AND SAFETY ACT 1993 – SECTION 37 (2)

NEW CONSTRUCTION SAFETY REGULATIONS

The above-mentioned regulations were promulgated in the Govt. Gazette on Friday, 18 July 2003 under the Occupational Health & Safety Act (85 of 1993) and are now in force.

The Employer and the Contractor hereby agree, in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act 1993 (Act 85 of 1993, hereinafter referred to as the Act), that the following arrangements and procedures shall apply between them to ensure compliance by the Contractor with the provisions of the Act, namely:

- (a) The Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all the relevant provisions of the Act and the regulations promulgated in terms of the Act, and the Employer's Health and Safety Specifications included in the contract documents.
- (b) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed in terms of the Act and Regulations and the Employer's Health and Safety Specifications included in the contract documents will be complied with in all respects.
- (c) In relation to any work or activity performed by the Contractor, his workmen or any other person for whose acts or omissions the Contractor is responsible in terms of the Contract, the Contractor hereby accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and Regulations and expressly absolves the Employer from itself being obliged to comply with any of the aforesaid duties, obligations and prohibitions.
- (d) The Contractor agrees that any duly authorised officials of the Employer shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the Contractor has complied with his undertakings as set out more fully in paragraphs (a) and (b) above, which steps may include, but will not be limited to, the right to inspect any appropriate site or premises occupied by the Contractor, or to inspect any appropriate records held by the Contractor.
- (e) The Contractor shall be obliged to report forthwith in writing to the Representative/Agent full details of any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act and Regulations, pursuant to work performed in terms of this Contract.
- (f) Forward "safety meeting" minutes to the representative/Agent.

For the Employer: _____ Date: _____

Witnesses: 1) : _____ 2) _____

For the Contractor: _____ Date: _____

Witnesses: 1) : _____ 2) _____

ADDENDUM "B"
NOTIFICATION OF CONSTRUCTION WORK

NOTIFICATION OF CONSTRUCTION WORK
(Regulation 3 of the Construction Regulations, 2003)

1. CONTRACTOR

1.1 Name and postal address of Contractor :

1.2 Name and telephone number of Contractor's contact person :

1.3 Contractor's compensation registration number :

1.4 Name and telephone number of Contractor's Construction Supervisor :

1.5 Physical address of the construction site or site office:

1.5 Estimated number of persons on the construction site :

1.6 Estimated number of Subcontractors on the construction site accountable to the Contractor :

2. EMPLOYER

2.1 Name and postal address of Employer :

2.2 Name and telephone number of Employer's Principal

Agent: _____

3. DESIGN CONSULTANTS

3.1 Name and postal address of design consultants:

3.1.1 Construction project managers:

3.1.2 Architects:

3.1.3 Structural engineer :

3.1.4 Electrical engineer:

3.1.5 Mechanical engineer :

3.1.6 Civil engineer :

3.1.7 Security engineer :

3.1.8 Other (if any) :

3.2 Name and telephone number of design consultant's contact person :

3.2.1 Construction project managers :

3.2.2 Architects :

3.2.3 Structural engineer :

3.2.4 Electrical engineer :

3.2.5 Mechanical engineer :

3.2.6 Civil engineer :

3.2.7 Security engineer :

3.2.8 Other (if any) :

4. THE WORKS

Nature of the works :

Commencement date :

Completion date :

Contractor: _____ Date: _____

Employer: _____ Date: _____

THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT OF WORK ON SITE.**

ALL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER CONTRACTOR ON THE SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM C

Environmental Management Plan

ENVIRONMENTAL MANAGEMENT PLAN – NOT APPLICABLE

ADDENDUM D

Pro-forma Contract between Contractor and Worker

SPECIAL PUBLIC WORKS PROGRAMMES

CONTRACT OF EMPLOYMENT BETWEEN

CONTRACTOR

Name:
Address:
ID:

AND

WORKER

Name:
Details
ID:

I am pleased to confirm that you have been appointed to work on a task based employment contract within a Special Public Works Programme (SPWP) project. Within this contract you will undertake numerous groups of tasks.

This contract must be read in conjunction with the standard terms and conditions of employment on SPWP attached.

The project where you will be employed is located at

The contract will start on

You must be aware that this contract is a limited term contract and not a permanent job. The contract may be terminated for one of the following reasons:

- a) If the contractor does not get additional contracts from the SPWP.
- b) Funding for the programme in your area comes to an end.
- c) You repeatedly do not perform in terms of the tasks set out in your work programme.

6 You will be employed as a.....within the team.

7 While you are working you will report to

8 Payment

- a) You will be paid a fixed amount of R.....for completing a fixed amount of work .
- b) The amount of work required for the agreed rate of pay will vary from task to task. You will be informed at the beginning of each task or group of tasks how much work you are expected to complete per day.
- c) You will only be paid for work completed.
- d) You will be paid the amount for the number of days quoted in the contract even if you finish the work before the time or after the estimated date of completion.
- e) A contractor must pay you the production bonus (the extra days if the work is finished early) if you have completed your share of tasks.
- f) The contractor will be paid within 30 days after the work is completed. You will be paid within 5 days of the contractor being paid.

9 In addition to the conditions above all the terms and conditions of employment on SPWP apply to your employment. If you breach any of these terms your contract may be terminated.

10 Signatures:

Signed on this day of 202...

Contractor: Date:

Worker: Date:

Witness: Date:

ADDENDUM E

Pro-forma Attendance Register

ADDENDUM F

Contract Person Days Calculation Format

CONTRACT MAN / DAYS CALCULATION FORMAT

This calculation must be in accordance with the attached Special Public Works Programme (SPWP) (ADDENDUM G).

##

The labour value of the contract must be equal to a minimum of 30% of your contract tendered sum.

You will be allowed to use the following values in order to calculate the minimum Man / day requirements: (In Lieu of the R180-00 minimum labour rate per day as specified)

80% General Labour at R180-00 per day
10% Skilled Labour at R250-00 per day
10% Supervisory Labour at R375-00 per day

The Man / days will be calculated as follows:

30% of the Contract sum = Minimum Labour Value.

a) General Labour

80% of Labour value divided by R180-00 per day = Labour Man / days.

b) Skilled Labour

10% of Labour value divided by R250-00 per day = Skilled Man / days.

c) Supervisory Labour

10% of Labour value divided by R375-00 per day = Supervisory Man / days.

d) Total Man / days

Total Man / days for the duration of the contract = a + b + c

Example

Say your tender sum equal R1,000,000-00

R1,000,000-00 x 30% = R300,000-00 (Minimum Labour Value)

a)	Labour R300,000-00 x 80% / R180-00 =	1 334 Labour Man / days
b)	Skilled R300,000-00 x 10% / R250-00 =	120 Skilled Man / days
c)	Supervisory R300,000-00 x 10% / R375 =	80 Supervisory Man / days.
	Total Man / days	5425 Man / days

REQUIREMENTS FOR THE SOURCING AND ENGAGEMENT OF LABOUR

Labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

The set rates of pay shall not be lower than as recommended in the latest Government Gazette.

ADDENDUM G

Contractor's monthly report format

Contractor monthly report format

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

CONTRACTOR'S MONTHLY REPORT

Part 1

Tender number:	PWRT/2615/26/MP
Project name:	Panel of contractors for general building maintenance at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District
Project description:	
Contract number:	
Name of Contractor:	
Payment certificate number:	
For month ending:	
Date of report:	

The Contractor's monthly report comprises an integral part of the Contractor's payment certificate and must be submitted together with the payment claim. The payment certificate will not be processed without this signed report, 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

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

Contractor' monthly report format

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

Part 4

LOCAL LABOUR AND SUPPLIER SCHEDULE

1. Summary of day tasks worked and amount spent on local labour this month

Week No.	Week Ending	Total Day Tasks / Person Days Worked <i>Total of 3(A) from Part 3 for each week</i>	Total Amount Paid <i>Total of 3(B) from Part 3 for each week</i>
1			
2			
3			
4			
5			
Total this month			

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 <i>Refer to Part 2</i>	Number of local workers who worked on the project to date	% of Total
1. Total number of individual local workers who have worked on the project		100%
2. Number of local youth (35 yrs and under) (columns B plus D)		
3. Number of local women (columns A plus B)		

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

4. Summary of amount spent on local suppliers to date

1. Previous amount spent on local suppliers (from previous claim)	R
2. Amount spent on local suppliers this month (from total above)	R
3. Total amount spent on local suppliers to date (3.)=(1.+2.)	R

Completed by:

.....
signed

.....
initials and surname

.....
capacity

.....
date

PWRT/2615/26/MP: General Maintenance for Education, Health Facilities and Other Government Immovable Assets at Ehlanzeni, Bohlabela, Gert Sibande and Nkangala District for a Period of three (3) years

