

# PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS & INFRASTRUCTURE



**KWAZULU-NATAL PROVINCE**  
**PUBLIC WORKS & INFRASTRUCTURE**  
REPUBLIC OF SOUTH AFRICA

## BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

### CONTRACTUAL SECTION

ONE VOLUME APPROACH

SECTION 2 A

**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME:  
PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

#### PRINCIPAL AGENT / ARCHITECT

LDM Quantity Surveyors DBN (Pty) Ltd.  
P.O. Box 19233  
Dormerton  
Durban  
4015  
031 - 207 1340 - Tel Number  
N/A - Fax Number  
ssirputh@LDM.co.za

#### Employer:

Head: Public Works  
KZN Department of Public Works  
Private Bag X9041  
**PIETERMARITZBURG**  
3200

Tel Number: 033 - 8971300

Fax Number: 033 - 8971399

#### QUANTITY SURVEYORS

LDM Quantity Surveyors DBN (PTY) LTD  
P.O. Box 19233  
Dormerton  
4015

031 - 207 1340 - Tel Number  
031 - 209 9441 - Fax Number  
ssirputh@LDM.co.za

#### Region:

Regional Manager  
KZN Department of Public Works  
X54336  
**Mayville**  
4091

Tel Number: 033-355 5569

Fax Number: N/A

Tender Number: ZNTD06321W  
CIDB Grading: 4GB OR HIGHER  
ECDP Number: N/A

Project Code: 033004  
Document Date: As Per Tender Advert  
Contract Period: 6 Calendar Months

Contracting Party: \_\_\_\_\_

CIDB Registration number: \_\_\_\_\_

Central Suppliers Database Registration Number: \_\_\_\_\_

**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**



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## **THE CONTRACT**

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## **THE CONTRACT**



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## **C1 - AGREEMENT AND CONTRACT DATA**



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## **FORM OF OFFER AND ACCEPTANCE**

## FORM OF OFFER AND ACCEPTANCE

Tender No - ZNTD06321W



**KWAZULU-NATAL PROVINCE**  
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REGION: MANDENI PS COMPLETION CONTRACT

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### C.1.1 - FORM OF OFFER AND ACCEPTANCE

THE OFFER AND ACCEPTANCE FORM IS BOUND INTO **SECTION 1** (See end of Returnable Documents) OF THIS DOCUMENT AS PART OF THE RETURNABLE DOCUMENTS. ONCE A CONTRACT IS CONCLUDED WITH A SUCCESSFUL TENDERER, THIS PAGE WILL BE REPLACED WITH THE FILLED AND SIGNED OFFER AND SIGN ACCEPTANCE BY THE EMPLOYER AND IT WILL BECOME PART OF THE CONTRACT.

PLEASE SUBMIT THE OFFER AND ACCEPTANCE FORM WITH THE OTHER RETURNABLE DOCUMENTS.



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**C1.2 - CONTRACT DATA**

<b>C 1.2 CONTRACT DATA:</b> with GCC for Construction Works - Second Edition 2010	
<b>CONTRACT DATA FOR:</b>	
<b>DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT</b>	
<b>Tender no:</b>	<b>ZNTD06321W</b>
	The General Conditions of Contract are the clauses contained in the General Conditions of Contract (2010) (Second Edition) published by the South African Institution of Civil Engineering. Copies of these conditions of contract may be obtained through most regional offices of the South African Institution of Civil Engineering, telephone number 011 805 5947 or by visiting their website at <a href="http://www.saice.org.za">www.saice.org.za</a> .
	<b>CONTRACT SPECIFIC DATA</b> The following contract specific data are applicable to this contract:
	<b>CONTRACT VARIABLES</b>  This schedule contains all variables specific to this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of this agreement.  Spaces requiring information must be filled in, shown as 'not applicable' or deleted but <u>not left blank</u> . Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [ ] brackets. <b>The Engineer/Principal Agent, in accordance with Clause 1.1.1.16, shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties as described in Clause 3.1.2.</b>
<b>Part 1: CONTRACT DATA PROVIDED BY THE EMPLOYER:</b>	
<b>PRE-TENDER INFORMATION</b>	
<b>CONTRACTING AND OTHER PARTIES</b>	
[1.1.1.15]	<b>Employer:</b> Head: Public Works (KZN Department of Public Works: Province of KwaZulu-Natal)  Postal address: <i>Private Bag X9041</i> <b>PIETERMARITZBURG</b> <b>3200</b>  Tel: <b>033-355 5569</b> Fax: <i>N/A</i>
[1.2.1.2]	Physical address: <i>191 Prince Alfred Street</i> <b>PIETERMARITZBURG</b> <b>3200</b>
[1.1.1.16]	<b>Employers Agent 1</b> <b>LDM Quantity Surveyors DBN (PTY) LTD</b>  Agent's service: <b>PRINCIPAL AGENT</b>  Postal address: <i>P.O. Box 19233</i> <b>Dormerton</b> <b>4015</b>  Tel: <b>031 - 207 1340</b> Fax: <b>031 - 209 9441</b>
	<b>Employers Agent 2</b> <b>LDM Quantity Surveyors DBN (PTY) LTD</b>  Agent's service: <b>QUANTITY SURVEYORS</b>  Postal address: <i>P.O. Box 19233</i> <b>Dormerton</b> <b>4015</b>  Tel: <b>031 - 207 1340</b> Fax: <b>031 - 209 9441</b>
	<b>Employers Agent 3</b> <b>Map Africa Consulting Engineers</b>  Agent's service: <b>STRUCTURAL / CIVIL ENGINEERS</b>  Postal address: <i>23 Jan Hofmeyr Road</i> <b>Westville</b> <b>3630</b>  Tel: <b>031 309 5831</b> Fax: <i>N/A</i>
	<b>Employers Agent 4</b> <b>Ibuya Consulting Engineers</b>  Agent's service: <b>ELECTRICAL ENGINEERS</b>  Postal address: <i>P.O Box 1469</i> <b>Westville</b> <b>3630</b>  Tel: <b>031 266 7332</b> Fax: <i>N/A</i>

Tender no: ZNTD06321W	
<p><b>Employers Agent 5</b>  <b>NATHAN FRANCIS ARCHITECTS</b></p> <p>Agent's service:  <b>ARCHITECTS</b></p> <p>Postal address:  <b>Suite 12, 40 Newport Avenue</b>  <b>Glen Ashley, Durban</b>  <b>4001</b></p> <p>Tel: insert <b>079 037 9821</b> Fax: <b>N/A</b></p>	
<b>PART 1: DATA PROVIDED BY THE EMPLOYER</b>	
[1.1.1.13]	<p><b>Defects Liability Period</b></p> <p>The defects liability period is: <b>A time measured from the date of the Certificate of Completion.</b>                  Defects Liability Period is 3 Months for the whole of the Works</p>
<b>Latent Defect Period</b>	
[5.16.3]	The latent defect period is: <b>5 years after the Final Approval Certificate</b>
<b>Documentation required before Commencement of the Works:</b>	
[5.3.1]	The documentation required before commencement with the Works execution are;
[4.3]	<p>Health and Safety Plan <b>The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</b></p>
[5.6]	<p>Initial Programme <b>The Contractor shall deliver his programme of work within 5 calendar days after notice from the Employer, prior to the Commencement Date</b></p>
[8.6]	<p>Insurance <b>The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</b></p>
	<p>Cash flow by contractor <b>The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.</b></p>
	<p>Priced Bill of Quantity <b>The Contractor shall deliver his Fully Completed Excel Bill of Quantities on the Flash Drive (USB), at tender closing.</b></p>
	<p>Other requirements</p>
[5.3.2]	The time to submit the documentation required before commencement with Works execution is: <b>14</b> calendar days
<b>Non-Working days</b>	
[5.8.1]	<p>Non-Working days <b>Sundays</b>                  Special non- working days <b>All Nationally Recognized Public Holidays and the year end break</b></p>
[5.8.1]	<p>First Year end break - commences <b>16 Dec 26</b>                  ends on <b>08 Jan 27</b>                  Second Year end break - commences <b>N/A</b>                  ends on <b>N/A</b>                  Third Year end break - commences <b>N/A</b>                  ends on <b>N/A</b>                  Fourth Year end break - commences <b>N/A</b>                  ends on <b>N/A</b></p>
[3.1.3]	<p><b>Engineer/Principal Agent to consult with Employer</b></p> <p>The Engineer shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties.</p>
[6.2.1]	<p><b>Security</b></p> <p>The time to deliver the deed of guarantee is Prior to site hand over in terms of clause 5.3.1 and 5.3.2.</p>
[6.2.1]	Please see CONTRACT DATA - below to select Guarantee Option
<b>Commencement Date</b>	
<p>Commencement date means the date of Site Hand over that should not occur prior to the tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.</p>	
<p>The <b>Agreement comes into effect</b> on the date when,                  The tenderer <b>receives one fully completed original copy of this document</b>, including the Schedule of Deviations (if any)</p> <p>The <b>agreement</b> ("this document") consists of,                  1. Agreement and Conditions of Contract.                  2. Form of Offer and Acceptance.                  3. Contract Data.                  4. Scope of Works.                  5. Site Information                  6. Drawings &amp; documents referred to in the 1 to 4 above.</p> <p>(See Form of Offer and Acceptance)</p>	
[5.3.1]	The contractor shall commence executing the Works within 7 calendar days from the Commencement Date.
[5.4.1]	<b>Possession of the site</b> will be given immediately after the contractor has fulfilled the conditions (4.3, 5.6, 6.2, 8.6) and received the notification from the Employer of Site Hand Over where the contractor will receive one <u>fully signed</u> copy of the Form of Offer and Acceptance from the employer.
[5.6.1]	The Contractor shall deliver his programme of work within 5 calendar days after notice from the Employer, prior to the Commencement Date.

CONTRACT DETAILS													
[1.1.1.33]	<b>Works</b> description: Refer to document C3 – Scope of Work.												
[1.1.1.30]	<b>Site</b> description: Refer to document C4 – Site Information.												
Specific options that are applicable to a State organ only Where so :													
[6.10.6.2]	<p>1) Interest rate legislation:  (a) in respect of interest owed <u>by</u> the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and   (b) in respect of interest owed <u>to</u> the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply</p> <p>2) Lateral support insurance to be effected by the contractor: <table border="1" style="float: right;"><tr><td>Yes</td><td>No</td><td>X</td></tr></table></p> <p>3) Payment will be made for materials and goods <table border="1" style="float: right;"><tr><td>Yes</td><td>X</td><td>No</td></tr></table></p> <p>4) Dispute resolution by litigation <table border="1" style="float: right;"><tr><td>Yes</td><td>No</td><td>X</td></tr></table></p> <p>5) Extended defects liability period applicable to the following elements: <table border="1" style="float: right;"><tr><td colspan="3">As per the Scope of Works.</td></tr></table></p>	Yes	No	X	Yes	X	No	Yes	No	X	As per the Scope of Works.		
Yes	No	X											
Yes	X	No											
Yes	No	X											
As per the Scope of Works.													
[8.6.1.1.2]	The Value of material, supplied by the Employer, and not included in the Contract Price, is: <table border="1" style="float: right;"><tr><td>R0.00</td></tr></table>	R0.00											
R0.00													
[8.6.1.1.3]	The amount to cover Professional Fees, not included in the Contract Price, for repairing damage and loss to be included in the insurance: <b>30% of the Contract Price</b>												
[8.6.1.3]	The limit for indemnity for liable insurance is: <table border="1" style="float: right;"><tr><td>Unlimited</td></tr></table>	Unlimited											
Unlimited													
[6.5.1.2.3]	The percentage allowance to cover overhead charges for contractor and subcontractors, is: <table border="1" style="float: right;"><tr><td>5.00%</td></tr></table>	5.00%											
5.00%													
[1.1.1.14]	<b>Practical Completion Date</b> The Practical Completion date is: <b>6 calendar months after date of formal site handover.</b>												
[5.5.1]	For the works as a whole: The whole of the works shall be completed within: <table border="1" style="float: right;"><tr><td>6 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods).</td></tr></table>	6 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods).											
6 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods).													
[5.13.1]	The date for practical completion shall be <table border="1" style="float: right;"><tr><td>6 calendar months after date of formal site handover</td></tr></table>	6 calendar months after date of formal site handover											
6 calendar months after date of formal site handover													
[5.13.1]	The penalty per calendar day shall be : <table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	<b>For the works in sections:</b> The date for practical completion from the commencement date and the penalty per calendar day:												
[5.13.1]	Portion 1: N/A <table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	Portion 2: N/A												
[5.13.1]	<table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	Portion 3: N/A												
[5.13.1]	<table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	Portion 4: N/A												
[5.13.1]	<table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	Portion 5: N/A												
[5.13.1]	<table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[5.5.1]	Portion 6: N/A												
[5.13.1]	<table border="1" style="float: right;"><tr><td>0.04% of the Contract Price, rounded to the nearest R10</td></tr></table>	0.04% of the Contract Price, rounded to the nearest R10											
0.04% of the Contract Price, rounded to the nearest R10													
[1.3.2]	The law applicable to this agreement shall be that of the: <b>Republic of South Africa</b>												
[6.10.1.5]	The percentage advance on materials not yet built into the Permanent Works is: <table border="1" style="float: right;"><tr><td>80.00%</td></tr></table>	80.00%											
80.00%													
[6.10.3]	Percentage retention on amounts due to contractor is: <table border="1" style="float: right;"><tr><td>The Percentage retention is 10% per Payment Certificate.</td></tr></table>	The Percentage retention is 10% per Payment Certificate.											
The Percentage retention is 10% per Payment Certificate.													
	Maximum retention is: <table border="1" style="float: right;"><tr><td>5.00%</td></tr></table> of the Contract Price	5.00%											
5.00%													
[6.8.1]	Notwithstanding anything to the contrary contained in the General conditions of Contract and Preliminaries, this contract could only, when the construction period exceeds 6 months and the contract exceeds R1,000,000.00, be subject to a Contract Price Adjustment Factor.												
[6.8.2]	Clause 6.8.2 the last part of the sentence saying "calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule." must be replaced by "calculated according to the Contract Price Adjustment Provisions (CPAP) Indices Application Manual for use with P0151 indices (Revised 1 January 2013)" as published by Statistics South Africa. The Contract Price Adjustment Provision (CPAP) will be subject to the most recently released indices by Statistic South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works will not accept the submission by Tenderers of lists of additional items."												
[6.8.3]	Where this contract is a Lump Sum contract, the contract will only be subject to Contract Price Adjustment Provisions (CPAP)(Revised 1 January 2013) where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings only.												
[5.14.5]	<b>The following clause must be added to clause 5.14.5:</b>  [5.14.5.6] The employers agent shall submit the final account within 3 calendar months to the principal agent.												
[10.5]	The determinations of disputes shall be by ARBITRATION ONLY.												
[10.5.3]	The number of Adjudication Board Members to be appointed is: <table border="1" style="float: right;"><tr><td>One</td></tr></table>	One											
One													
[10.9.1]	Replace the last part of the clause with the following: ".on the application of either party, by the Chairman, or his nominee of the Association of Arbitrators."												

	<p><b>Where CPAP is applicable, the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as published by Statistics South Africa, dated 1 January 2013 and any amendments thereto:</b></p> <ol style="list-style-type: none"> <li>1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated otherwise in the bills of quantities.</li> <li>2) In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be adjusted in accordance with Work Group 170.</li> <li>3) Further to clause 3.4.6 of the CPAP Indices Application Manual, the listing of additional items for exclusion by Tenderer's, will not be permitted.</li> </ol> <p><b>Alternative Indices: Not Applicable</b></p> <p>Details of changes made to the General Conditions of Contract for construction works (2010) Second Edition</p>
<p>[1.1]</p>	<p><b>Clause</b></p> <p>[1.1.1.5] <b>COMMENCEMENT DATE</b> – means the actual date of Site Hand over that should not occur prior to the Tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.</p> <p>[5.12.2.2] <b>ABNORMAL CLIMATIC CONDITIONS</b> - means conditions over and above what could reasonably be expected for the specific locality where the Works are being executed and include inter alia excessive rain, heat, cold, wind and any other climatic condition that would not normally be experienced during the season that the Works are executed in that area. The South African Weather Service's (<a href="http://www.weathersa.co.za">http://www.weathersa.co.za</a>) 10 year average climatic conditions statistics would be what could be reasonably expected for the specific locality where the Works are executed.</p> <p>[6.2.1] <b>CONSTRUCTION GUARANTEE</b> – means an on demand guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the Offer and Acceptance Form and the contract data.</p> <p><b>CONSTRUCTION PERIOD</b> – means the period commencing on the commencement date and ending on the date of due completion date. This period will be deemed to commence on actual site hand over date to the contractor and end on the date of practical completion and shall include all annual industrial holiday periods, Sundays and public holidays.</p> <p><b>CORRUPT PRACTICE</b> – means the offer, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p><b>FINAL ACCOUNT</b> - The document prepared by the principal agent, which reflects the contract value of the works at final approval or termination.</p> <p><b>FRAUDULENT PRACTICE</b> – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practise 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.</p>
	<p><b>INTEREST</b> – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular:</p> <ol style="list-style-type: none"> <li>(a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and</li> <li>(b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply</li> </ol>

<p>[1.1.1.16] [1.1.1.21]</p>	<p><b>ENGINEER/PRINCIPAL AGENT</b> – means the person or entity appointed by the Employer and named in the Contract Data as the Engineer/Principal Agent to act as agent of the Employer. In the event of an Engineer/Principal Agent not being appointed, then all the duties and obligations of an Engineer/Principal Agent as detailed in the Contract shall be fulfilled by a representative of the Employer as named in the Contract Data. (Hereafter referred to as Engineer)</p> <p><b>GENERAL ITEMS</b> - or preliminaries means items stipulated in the Pricing Data relating to general obligations, site services, facilities and/or items that cover elements of the cost of the work which are not considered as proportional to the quantities of the Permanent Works.</p>
<p>[4.4.1] [6.2.1] [6.10.6.2]</p>	<p>Add the following to the clause 4.4.1: "The Contract shall only use subcontractors who are duly registered with the CIDB and who has an ACTIVE status at the time of submitting the tender"</p> <p>Refer to Offer and Acceptance form for the various options that the contractor may choose from in providing a form of Guarantee under "GUARANTEE OPTIONS".</p> <p>Replace "at the prime overdraft rate, as charged by the Contractor's Bank," with "...at the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975)."  Omit ", on all overdue payments from the date on which the same should have been paid..." and replace with "only after 30 calendar days from receiving written notice from the Contractor that the amount is overdue..."</p>
<p>[5.12.3] [5.14.5.1] [5.16.4] [6.2.2] [6.2.3] [9.3.2.2]</p>	<p><b>SPECIAL CONDITIONS OF CONTRACT</b>  Omit clause 5.12.3 and add the following:  "5.12.3. If an extension of time is granted, the Contractor shall be paid such additional time-related General Items, including for special non-working days, if applicable as are appropriate regarding to any other compensation which may already have been granted in respect of the circumstances concerned. The reasons for extension of time that would invoke payment of time related General Items are inter alia;</p> <p>5.12.3.1 Failure to give possession of the site to the contractor.  5.12.3.2 Making good physical loss and repairing damage to the works where the contractor is not at risk.  5.12.3.3 Contract instructions not occasioned by default by the contractor.  5.12.3.4 Failure to issue construction information timeously or the late issue of a contract instruction following a request from the contractor.  5.12.3.5 Late acceptance by the principal agent of a design undertaken by a selected subcontractor where the contractor's obligations have been met.  5.12.3.6 Suspension or cancellation termination invoked by a nominated or selected n/s subcontractor due to default by the employer or the principal agent.  5.12.3.7 Insolvency of a nominated subcontractor.  5.12.3.8 A direct contractor.  5.12.3.9 Opening up and testing of work and materials and goods where such work is according to in accordance with the contract documents.  5.12.3.10 The execution of additional work for which the quantity included in the bills of quantities is not sufficiently accurate.  5.12.3.11 Late or failure to supply materials and goods for which the employer is responsible.  5.12.3.12 Suspension of the works."</p> <p>Omit entire clause 5.14.5.1</p> <p>Add the following new clause "5.16.4. Upon the issue of a Final Approval Certificate, unless otherwise provided in the Contract:  5.16.4.1. The performance Guarantee (if any) shall be returned within 14 days to the guarantor in terms of Clause 7."</p> <p>Replace the following "...it shall be deemed that the Contractor has selected a security of ten percent retention of the value of the Works." with "...it shall be deemed that the Contractor has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax."</p> <p>Add to clause 6.2.3 the following "The Contractor shall provide proof of paid-up premium payments to accompany his payment certificate as proof that his performance guarantee has not expired yet. The Contractor will not receive payment without proof of the validity of their performance"</p> <p>Omit "without prejudice to the exercise of any lien the Contractor may have acquired over the Employer's property."</p> <p>Duties and functions of the Engineer requiring the specific approval of the Employer BEFORE execution of any part of these duties are as follows:</p> <p>(a) Determinations of contractors claims for extension of time (revision of the contract completion date). All claims for extension of time shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination. Omit "Engineer" in clause 42.2 and</p> <p>(b) Drawings, instructions or communications of any kind requiring variations of the works and involving EXTRA's shall NOT be given effect by the Contractor UNTIL BOTH the "Official Variation Order" and the "Financial Request for Variation Order and Additional Funds" form, as issued by the Department of Public Works, have been approved and signed by the Employer.</p> <p>(c) Insurance policies to be approved by the Employer within 21 days of the date of the Commencement of the Works.</p> <p>(d) Any notice of disagreement raised by the Contractor or written Dispute Notice given by the Contractor to the Engineer shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination.</p> <p>(e) The issue of the certificate of practical completion, certificate of completion and the final approval certificate shall be signed and submitted by the Engineer, to the Employer for final approval and signature. The certificates shall not be considered as officially issued until signed by the Employer.</p> <p><b>MANAGING PROJECT DURATION</b></p> <p>(a) The Contractor shall co-ordinate his programme with all other contractors whose work may precede or be executed simultaneously to his own. The Contractor will be called upon to plan and control the project using the Project Evaluation and Review Technique (PERT) or other approved Critical Path Method (CPM) network analysis of his events and activities and those of the sub-contractors in his employ and must co-ordinate his planning with any other contractor employed on the project. A fortnightly project control report will be expected from the Contractor in writing, evaluating any gains or delays against the critical path and he should allow for all costs involved in planning reviewing and updating the programme to the satisfaction of the Principal Agent against this item.</p> <p>(b) Activity-and total float shall belong to the Employer.</p> <p>(c) The Contractor shall deliver his programme of work within 5 calendar days after notice from the Employer, prior to the Commencement Date. It is a condition of this contract that, the contractor submit to the Engineer/principal agent a detailed CPM Programme which shall be to the approval of the Engineer/principal agent. In this regard tenderers are advised to consult with the Engineer/Principal Agent as to the format and requirements of the programme as no claim whatsoever will entertained should the programme fail to meet the requirements of the Engineer/Principal Agent. Failure to submit the programme within the stipulated time may result in the contractor being held in breach of contract.</p> <p>The approved programme will form the basis of time management of the project and extension of time will not be guaranteed unless the Contractor has strictly complied with this provision.  The programme shall make allowance for rain and the number of rain days allowed within the critical path shall be on the provisions of the clause dealing with inclement weather and claiming for delays in performance in this bill.  Allowance for the above must be made under this item as no claims for failing to comply with this precondition will later be entertained.</p>

**INCLEMENT WEATHER AND CLAIMS FOR DELAYS IN PERFORMANCE**

- (a) The Contract Sum includes a monthly allowance of 3 working days inclement weather during which rainfall exceeds 10mm per day for months as indicated in the Scope of Works. These days shall be reflected on the critical path of the Contractor's programme as specified in MANAGING PROJECT DURATION above.
- (b) Claims for delays in performance due to inclement weather shall be calculated separately for each calendar month and for the project as a whole. Delays or gains to the critical path shall be reflected in all revisions of the programme. An extension of time will only be granted where the following conditions are met:
- (i) The criteria to be used for WORK stoppages shall be for safety hazards or poor quality of work.
  - (ii) The Employer's site representative or the Employer's Principal Agent, if the site representative is not available shall be notified when the Contractor stops the work and intends to claim performance delays. The Employer representative shall inspect the situation together with the Contractor and give an immediate decision.
1. The stoppage claimed must cause a delay in the Completion Date of work. If the critical activities can proceed and a non-critical activity is delayed due to inclement weather no claims for delay shall be granted.
  2. No claims for stoppages less than 2(two) hours per day shall be considered.
  3. Claims granted for more than 2 (two) hours, but less than 10 (ten) hour (lunch included) day, shall be added together and expressed as full days.
  4. All claims shall be submitted in writing to the Principal Agent within one working day of the actual stoppage.
  5. The total delay in performance granted to the Contractor expressed in days shall be added to the contractual Completion Date of each section of the Works. The contractual penalty clause shall only come into effect after this newly arrived date.
  6. Total delays (in hours) will be rounded up or down to the nearest integer for the calculation of Working Days. The total hours (including lunch) per Working Day shall be 10 unless otherwise indicated on the Contractor's programme.
  7. Where the programmed delays for inclement weather exceed the actual delays incurred the Completion Date(s) will not be adjusted.
  8. Where the project includes builder's holidays the programmed durations for inclement weather shall be adjusted pro-rate to the actual Working Days.
  9. The total of all monthly delays due to inclement weather shall be calculated in accordance with the example given below:

Description	Months					Total
	Sept	Oct	Nov	Dec	Jan	
	Hours	Hours	Hours	Hours	Hours	
Programmed Rain days	0	30	30	15	15	90
Actual Rain days	16	22	35	15	18	106
Difference	-16	8	-5	0	-3	-16
Estimated Extension of time - In working days						2

8 hrs/day\*

See point 5.2 in the Scope of Works for the specific days the tenderer must allow for in this contract.

Tender no: ZNTD06321W Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR:

**POST-TENDER INFORMATION**

Note: All information for this section requires consultation with the Contractor. The Engineer/Principal Agent shall not pre-select any of the alternatives available to the Contractor.

**1 CONTRACT DETAILS**

[1.1.1.9] Contractor Name: .....

[1.2.1.2] Postal address: .....

Tel no: ..... Fax no: .....

Tax / VAT Registration No: ..... e-mail: .....

Physical address: .....

[1.1.1.10] The accepted contract price inclusive of tax is R :  
 [Amount in words]

**Payment Of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)**

The preliminaries amounts shall be paid in terms of:

*Alternative A	Yes
**Alternative B	N/A

\* Assessed by the Engineer/Principal Agent as an amount prorated to the value of the Work duly executed in the same ratio as the Preliminaries bears to the Contract Price excluding VAT, Preliminary amount, Contingencies and any CPAP.  
 \*\* Calculated from the priced Bill of Quantity/Lump Sum document. The Contractor and the Engineer/Principal Agent shall agree on a division of the priced Preliminaries items into: initial establishment charge, monthly charge and final disestablishment charge.

If the Contractor and the Engineer/Principal Agent can not agree, within 10 Working Days from the Commencement Date, on such a division then the Engineer/Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment certificate as follows;

- 10% of the General Items/Preliminaries amount shall not be varied
- 15% of the General Items/Preliminaries shall only be varied in proportion of the Contract Price to the Contract Sum
- 75% of the General Items/Preliminaries shall be varied in proportion to the revised Construction Period compared with the initial Construction Period.

**Adjustment of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)**

**Alternative A**

For the adjustment of Preliminaries both the Contract Sum and the Contract Value (including tax) shall exclude the amount of Preliminaries, all Contingency Sum(s) and any provision for Cost Price Adjustment Provisions:-

- An amount which shall not be varied.
- An amount varied in proportion to the contract value as compared to the Contract Sum.
- An amount varied in proportion to the Construction Period as compared to the initial Construction Period (excluding revisions to the Construction Period to which the Contractor is not entitled) to adjustment of the Contract Value in terms of the agreement.

The Contractor shall provide a breakdown of charges (including tax) within 15 working days of the date of acceptance of tender and, where applicable, an apportionment of Preliminaries per section

If the Contractor and the Principal Agent cannot agree, within ten (10) Working Days from the Commencement Date, on such a division then the Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment certificate as follows;

- 10% of the amount shall not be varied
- 15% varied in proportion of the Contract Value to the Contract Sum
- 75% varied in proportion to the revised Construction period compared with the initial Construction Period



**GUARANTEE OPTIONS**

The Tenderer agrees to provide a bank or insurance guarantee in accordance with clause 6.2.3 of the Conditions of the GCC2010 Contract within the period stated in the Contract Data. This guarantee shall be for a sum equal to an amount stated in the Contract Data.

**Guarantees submitted must be issued by either 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 by a bank duly registered in terms of the Banks Act No 94 of 1990, on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.**

(a) the tenderer accepts that in respect of contracts up to R1 million, a payment reduction of 5% of the contact value will be applicable and will be reduced by the Employer in terms of the applicable conditions of contract, with a maximum retention value of 10%.

(b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below: select one option

(i) cash deposit of 10 % of the Contract Price

(ii) bank or insurance Performance Guarantee of 10 % of the Contract Price

(iii) cash deposit of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)

(iv) bank or insurance guarantee of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)

**NOTE:** Where the Tenderer has not selected one of the guarantee options above, the default option will be as if the Tenderer has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax. - See GCC2010 clause 6.2.2 as amended in Contract Data.

**3 SIGNATURES OF THE CONTRACTING PARTIES**

Thus done and signed at.....on .....of.....20.....

Name of signatory

for and behalf of the Employer who by signature hereof

Capacity of signatory

as Witness.

Thus done and signed at.....on .....of.....20.....

Name of signatory

for and behalf of the Contractor who by signature hereof

Capacity of signatory

as Witness.



**KWAZULU-NATAL PROVINCE**  
**PUBLIC WORKS**  
REPUBLIC OF SOUTH AFRICA

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**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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## **C1.3 - FORM OF GUARANTEE**

**C1.3 PERFORMANCE GUARANTEE -  
 GCC FOR CONSTRUCTION WORKS (2nd Edition - 2010)**

Head: Public Works  
 KZN Department of Public Works:  
 Private Bag X9041  
 PIETERMARITZBURG  
 3200

Sir,

**ON DEMAND PERFORMANCE GUARANTEE**

**Tender Number ZNTD06321W**

**Project Code 033004**

For use with the General Conditions of Contract for Construction Works, Second Edition, 2010.

**GUARANTOR DETAILS AND DEFINITIONS**

"Guarantor" means: \_\_\_\_\_

Physical Address: \_\_\_\_\_

"Employer" means: The Provincial Administration of KwaZulu-Natal in its Department of Public Works

"Contractor" means: \_\_\_\_\_

"Engineer" means: \_\_\_\_\_

"Works" means: 

**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER  
 PROGRAMME: PHASE 16: ETHEKWINI REGION: MANDENI PS  
 COMPLETION CONTRACT**

"Site" means: \_\_\_\_\_

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of: \_\_\_\_\_

Amount in Words:

"Guaranteed Sum" means: The maximum aggregate amount of: 10%  
Of Contract Sum

Amount in Words: \_\_\_\_\_

"Expiry Date" means: \_\_\_\_\_

## CONTRACT DETAILS

Engineer Issues: Interim Payment Certificates, Final Payment Certificates and the Certificate Completion of the Works as defined in the Contract.

## PERFORMANCE GUARANTEE

- 1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
- 3 The Guarantor hereby acknowledges that:
  - 3.1 any reference in this Performance Guarantee to the Contract 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;
  - 3.2 its obligation under the Performance Guarantee is restricted to the payment of money.
- 4 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
  - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
  - 4.2 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) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
  - 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum Certified in 4.
- 5 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to 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 Performance Guarantee, such demand stating that:
  - 5.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
  - 5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
  - 5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
- 7 Where the Guarantor has made payments in terms of 5, 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 this Payment Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance 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.
- 8 Payment by the Guarantor in terms of 4 or 5 shall be made with seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.

- 10 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, 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.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Court Act No 32 of 1944, as amended, to this 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)

\_\_\_\_\_

Capacity

\_\_\_\_\_

Guarantor's signatory (2)

\_\_\_\_\_

Capacity

\_\_\_\_\_

Witness signatory (1)

\_\_\_\_\_

Witness signatory (2)

\_\_\_\_\_



**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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**PART C2 - PRICING DATA**

<b>C2.1 PRICING INSTRUCTIONS</b> <b>GCC FOR CONSTRUCTION WORKS (Second Edition 2010)</b>			
<b>Project title:</b>	<b>DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT</b>		
<b>Tender no:</b>	<b>ZNTD06321W</b>	<b>Project Code:</b>	<b>033004</b>

## C2.1 Pricing Instructions

	<p>Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")</p> <p>The adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount variable in proportion to time.</p>
<b>1</b>	<p><b>MASSES AND MEASURING UNITS</b></p> <p>These shall be in accordance with the Measuring Units and National Measuring Standards Act No. 76 of 1973 and amendments thereto.</p> <p>The pages of each of these documents are numbered consecutively and before the Tenderer submits his tender he should check the number of pages, and if any are found missing or duplicated, or the figures or writing indistinct, or the documents contain any obvious error, he should apply to the Head : Public Works AT ONCE and have same rectified as no liability whatsoever will be admitted by the Administration in respect of errors in Tender due to the foregoing.</p>
<b>2</b>	<p><b>PRICES FOR VARIATIONS</b></p> <p>Where prices or quotations for variations are submitted by the Contractor during the currency of the Contract, it is to be clearly understood that these are for the purpose of consideration by the Head : Public Works and that there is no assumption of acceptance. The Contractor will be notified of acceptance of prices or quotations either by insertion of the amount on the variation order or by written intimation.</p>
<b>3</b>	<p><b>SCALE</b></p> <p>The scale to which the Drawings are made is only to be made use of when no figured dimensions are given either on the Drawings or in the tender documents and the figured dimensions are always to be followed though they may not coincide with the scale of the Drawings, but dimensions where possible are to be taken from the buildings.</p>
<b>4</b>	<p><b>PROVISIONAL ITEMS</b></p> <p>All items described as "Provisional" shall be used as directed by the Employer and measured and valued or paid for.</p> <p>No work for which "Provisional" items are allowed shall be commenced without written instructions from the Head : Public Works.</p>

<b>5</b>	<b>TIMELY ORDERING OF MATERIALS</b> The Contractor is warned to place all orders for materials or special articles as early as possible, as he will be held solely responsible for any delay in the delivery of such goods. Nevertheless this tender is conditional upon no liability being attached to the Contractor if delivery of materials is rendered impossible by reason of any act of the Government.
<b>6</b>	<b>ELECTRICAL LIGHTING, POWER AND WATER</b>  The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Employer.  The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.  Tenderers are advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.
<b>7</b>	<b>IMPORT PERMITS, DUTIES AND SURCHARGES.</b>  All tenders by means of which imported products are being called for, must use the rate of exchange 14 days prior to the closing date indicated in the tender documents. If this day falls on a weekend or public holiday, the next working day must be used.  Furthermore, Tenderers must submit documentary proof (in the form of a certified copy) from their bank or legally recognised financial institution, clearly indicating what the rate of exchange was 14 days prior to the closing date, as mentioned above.  Together with this, the Tenderer must confirm that the tender price relating to an imported product, was based on the rate of exchange 14 days prior to the closing date as mentioned above.
<b>8</b>	<b>STANDARD SYSTEM OF MEASUREMENT WHERE BILLS OF QUANTITIES FORM PART OF THE TENDER DOCUMENTS</b>  The work executed under this Contract has been measured in accordance with the;  <b>Standard System of Measuring Builders Work (7th Edition)</b>  including all amendments unless descriptions of items indicate a deviation and it shall be understood that the system of measurement which is herein adopted is the only system of measurement which will be recognised in connection with this contract. Any contradictions to this system of measurement contained in the "ASAQS General Preambles for Trades - 2017" shall be disregarded (unless same have been accommodated in the system of measurement) but applicable rates shall be included for all requirements stated and not measured separately in compliance with this system.
<b>9</b>	<b>PRICING OF ROCK EXCAVATIONS</b>  It is a condition of this tender that should the tenderer elect to price the Rock Excavation included in this tender, the rates must be market related and should be identically priced for the same classification of excavations and not vary for similar billed items in the different sections.

**10 BROAD BASED BLACK ECONOMIC EMPOWERMENT**

1. It is the deliberate policy of the Provincial Administration of KwaZulu-Natal to foster and to encourage the economic empowerment of Black South Africans. This policy will be implemented without prescription and without prejudicing the principles and the integrity of the Provincial Administration of KwaZulu-Natal. Subject to these constraints and also subject to good business practise and commercial consideration, it is therefore considered appropriate that the Provincial Administration of KwaZulu-Natal should encourage business relationships with companies which actively pursue Affirmative Action and Black Economic Empowerment Programmes.
2. In responding to this tender you are therefore encouraged to devote attention to these two subjects of Affirmative Action and Economic Empowerment. In addition, in considering the appointment of sub-contractors, you are requested to extend the spirit of these policies.
3. The foregoing enunciations of this policy are not intended to be prescriptive nor to preclude any individual or operation from responding to this tender.

**11 REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE**

1. In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the varification functionality of key supplier information.
2. Prospective suppliers will be able to self - register on the CSD website: [www.csd.gov.za](http://www.csd.gov.za)
3. Once the supplier information has been varified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated.
4. Suppliers can provide their CSD supplier number and unique security code to organs of state to view their varified CSD information.
5. Tenderers are required to fill in clearly, legibly, in bold print and black ink their CSD supplier number in the space hereunder:

<b>Name of Supplier</b>	
<b>Central Supplier Database (CSD) Supplier Number:</b>	

**12 TAX CLEARANCE REQUIREMENTS**

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

- 1 In order to meet this requirement tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderders / individuals who wish to submit Tenders.
- 2 SARS will then furnish the Tenderder with a Tax Compliance Status (TCS) PIN that will be valid for a period of 1 (one) year from the date of approval.
- 3 In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN.
- 4 Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website [www.sars.gov.za](http://www.sars.gov.za).

	<p>5 Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website <a href="http://www.sars.gov.za">www.sars.gov.za</a>.</p> <p>6 Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website <a href="http://www.sars.gov.za">www.sars.gov.za</a>.</p>		
	<table border="1"> <tr> <td data-bbox="188 407 539 461"><b>Security PIN Number</b></td> <td data-bbox="539 407 1399 461"></td> </tr> </table>	<b>Security PIN Number</b>	
<b>Security PIN Number</b>			
	<table border="1"> <tr> <td data-bbox="188 470 539 524"><b>Company / Entity Tax Reference Number</b></td> <td data-bbox="539 470 1399 524"></td> </tr> </table>	<b>Company / Entity Tax Reference Number</b>	
<b>Company / Entity Tax Reference Number</b>			
<p><b>13</b></p>	<p><b>DEVELOPMENT OF SKILLS THROUGH INFRASTRUCTURE CONTRACTS</b></p> <p>The contractor shall achieve in the execution of this contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction works Contracts Published in Government Gazette No 48491)</p>		
<p><b>14</b></p>	<p><b>BILLS OF QUANTITIES/LUMP SUM DOCUMENT</b></p> <p>The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract documents, the Standard Conditions of Tender, Conditions of Contract, Standard Preambles to all Trades, Specifications, Drawings and all other relevant documentation.</p>		
<p><b>15</b></p>	<p><b>VALUE ADDED TAX</b></p> <p>The tender price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the Bills of Quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.</p>		
<p><b>16</b></p>	<p><b>FIXED PRICE CONTRACT</b></p> <p>Should the Bills of Quantities/Lump Sum Document be a fixed price contract, the following clause must be inserted in the Pricing Instructions:</p> <p>Tenderers are to take note that the contract price adjustments are not applicable to this contract. Tenderers should therefore make provision in the Contract Sum, schedule of rates, etc. for possible price increases during the contract period, as no claims in this regard shall be entertained.</p>		



**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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**C2.2 - Preliminaries for GCC for Construction works - 2nd Edition 2010**

Item  
No

Quantity

Rate

Amount

**SECTION NO. 1**

**BILL NO. 1**

**PRELIMINARY AND GENERAL**

**NOTES**

- i) The agreement is to be the General Conditions of Contract for Works of Civil Engineering Construction (2010) (Second Edition), published by the S. A. Institution Of Civil Engineering.
- ii) The Preliminaries are to be the Construction and management requirements for works contracts - Part 1: General engineering and construction works (SANS 1921-1: 2004 Edition 1) prepared by Standards South Africa and shall be deemed to be incorporated herein.
- iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.
- iv) 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.
- v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable").

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- vi) Adjustment of the preliminaries: each item priced, is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time.
- vii) Time (T) related Preliminaries will only be adjusted for omissions or additions, issued by the Employer, or delays caused by the Employer, for which variation and extension of time has been granted.

**PRELIMINARY AND GENERAL**

**SECTION A: GENERAL CONDITIONS OF CONTRACT**

1 **A1** General (clause 1)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

2 **A2** Basis of Contract (clause 2)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

3 **A3** Engineer (clause 3)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

4 **A4** Contractors general obligations (clause 4)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

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5	<p><b>A5</b> Time and related matters (clause 5) - As referred to in the Contract Data under Special Condition of Contract. The Contract Period shall be deemed to include all Non - Working Days, Special Non - Working Days and the year-end Builders Annual Industry Holiday Periods.</p> <p>F: _____ V: _____ T: _____</p>	Item	
6	<p><b>A6</b> Payment and related matters (clause 6)</p> <p>F: _____ V: _____ T: _____</p>	Item	
7	<p><b>A7</b> Quality and related matters (clause 7)</p> <p>F: _____ V: _____ T: _____</p>	Item	
8	<p><b>A8</b> Risks and related matters (clause 8)</p> <p>F: _____ V: _____ T: _____</p>	Item	
9	<p><b>A9</b> Terminations of Contract (clause 9)</p> <p>F: _____ V: _____ T: _____</p>	Item	
10	<p><b>A10</b> Claims and disputes (clause 10)</p> <p>F: _____ V: _____ T: _____</p>	Item	
<p><b><u>SECTION B: SANS 1921-1:2004 (Edition 1):                  CONSTRUCTION AND MANAGEMENT                  REQUIREMENTS FOR WORKS CONTRACTS:                  PART 1</u></b></p> <p><b>Refer to the SCOPE OF WORK for detail requirements:</b></p>			
<b>Carried Forward</b>			R
<p>Section No. 1                  Bill No. 1                  PRELIMINARIES  <b>LDM QUANTITY SURVEYORS</b></p>			

<b>Brought Forward</b>			R
11	<b>B1</b> Scope (clause 1) F: _____ V: _____ T: _____	Item	
12	<b>B2</b> Normative references (clause 2) F: _____ V: _____ T: _____	Item	
13	<b>B3</b> Definitions (clause 3) F: _____ V: _____ T: _____	Item	
14	<b>B4</b> Requirements for construction and management (clause 4) F: _____ V: _____ T: _____	Item	
15	<b>B4.1</b> General (Clause 4.1) F: _____ V: _____ T: _____	Item	
16	<b>B4.2</b> Responsibilities for design and construction (clause 4.2) F: _____ V: _____ T: _____	Item	
17	<b>B4.3</b> Planning, programme and method statements (clause 4.3) F: _____ V: _____ T: _____	Item	
18	<b>B4.4</b> Quality assurance (clause 4.4) F: _____ V: _____ T: _____	Item	
<b>Carried Forward</b>			R
Section No. 1 Bill No. 1 PRELIMINARIES <b>LDM QUANTITY SURVEYORS</b>			

	<b>Brought Forward</b>		R
19	<b>B4.5</b> Setting out (clause 4.5) F: _____ V: _____ T: _____	Item	
20	<b>B4.6</b> Management and disposal of water (clause 4.6) F: _____ V: _____ T: _____	Item	
21	<b>B4.7</b> Blasting (Clause 4.7) F: _____ V: _____ T: _____	Item	
22	<b>B4.8</b> Works adjacent to services and structures (clause 4.8) F: _____ V: _____ T: _____	Item	
23	<b>B4.9</b> Management of the Works and site (clause 4.9) F: _____ V: _____ T: _____	Item	
24	<b>B4.10</b> Earthworks (clause 4.10) F: _____ V: _____ T: _____	Item	
25	<b>B4.11</b> Testing (clause 4.11) F: _____ V: _____ T: _____	Item	
26	<b>B4.12</b> Materials, samples and fabrication drawings (clause 4.12) F: _____ V: _____ T: _____	Item	
	<b>Carried Forward</b>		R
	Section No. 1 Bill No. 1 PRELIMINARIES <b>LDM QUANTITY SURVEYORS</b>		

Brought Forward		R
27	<b>B4.13</b> Equipment (clause 4.13) F: _____ V: _____ T: _____	Item
28	<b>B4.14</b> Site establishment (clause 4.14) F: _____ V: _____ T: _____	Item
29	<b>B4.15</b> Survey control (clause 4.15) F: _____ V: _____ T: _____  As built survey information prepared by an Engineering Surveyor to be submitted upon request to the Engineer.	Item
30	<b>B4.16</b> Temporary works (clause 4.16) F: _____ V: _____ T: _____	Item
31	<b>B4.17</b> Existing services (clause 4.17) F: _____ V: _____ T: _____  The Contractor to note that the water and electricity supplies at the specific school may be restricted or possibly non-existent. Accordingly, the tenderer to ensure that temporary supplies(water tanks/ electrical generators) are available on site to meet the project demands and to achieve continuity of the works on site.The use of potable water for construction activities is prohibited.	Item
Carried Forward		R

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	<b>Brought Forward</b>		R
32	<p><b>B4.18</b> Health and safety (clause 4.18)</p> <p>F: _____ V: _____ T: _____</p> <p style="padding-left: 40px;">The Contractor shall provide all PPE requirements for all Employees and visitors to the site, during the execution of the works.</p>	Item	
33	<p><b>B4.19</b> Environmental requirements (clause 4.19)</p> <p>F: _____ V: _____ T: _____</p>	Item	
34	<p><b>B4.20</b> Alterations, additions, extensions and modifications to existing works (clause 4.20)</p> <p>F: _____ V: _____ T: _____</p>	Item	
35	<p><b>B4.21</b> Inspection of adjoining structures, services, buildings and property (clause 4.21)</p> <p>F: _____ V: _____ T: _____</p>	Item	
36	<p><b>B4.22</b> Attendance on nominated and selected Sub-contractors (clause 22)</p> <p>F: _____ V: _____ T: _____</p>	Item	
<p><b><u>SECTION C: SCOPE OF WORK IN ACCORDANCE WITH SANS 10403</u></b></p> <p><i>(The reference to Clauses refer to Table B.1 of SANS 1921-1:2004)</i></p>			
<b>Carried Forward</b>			R
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	<b>Brought Forward</b>		R
37	<p><b>C.1</b> Certification by recognised bodies (clause 4.4)</p> <p>F: _____ V: _____ T: _____</p> <p>The Contractor shall provide all original certification of compliance in respect of all specialist installations and compliance testing as deemed necessary or as stipulated by the Engineer. Payment will be withheld in the absence of the provision of original compliance certificates.</p>	Item	
38	<p><b>C.2</b> Agrément certificates (clause 4.5)</p> <p>F: _____ V: _____ T: _____</p>	Item	
39	<p><b>C.3</b> Other services and facilities (clause 4.8)</p> <p>F: _____ V: _____ T: _____</p>	Item	
40	<p><b>C.4</b> Recording of weather (clause 5.2)</p> <p>F: _____ V: _____ T: _____</p> <p>A rain gauge shall be provided on site for the duration of the contract. A diary shall be maintained with all rainfall records and signed off by the School Principal and thereafter submitted to the Engineer at every site meeting.</p>	Item	
41	<p><b>C.5</b> Management meetings (clause 5.3)</p> <p>F: _____ V: _____ T: _____</p>	Item	
42	<p><b>C.6</b> Daily records (clause 5.6)</p> <p>F: _____ V: _____ T: _____</p>	Item	
	<b>Carried Forward</b>		R
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43 **C.7** Bond and guarantees (clause 5.7)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

44 **C.8** Permits (clause 5.9)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

45 **C.9** Proof of compliance with the law (clause 5.10)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

**SECTION D: SPECIFICATION DATA**  
**ASSOCIATED WITH SANS 1921-1:2004**  
**(Table A.1)**

46 **D.1** Requirements for drawings, information and calculations for which the Contractor is responsible (clause 4.1.7)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

47 **D.2** The responsibility strategy assigned to the Contractor for the works (clause 4.2.1)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

48 **D.3** The planning, programme and method statements (clause 4.3)  
 F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

The Contractor must provide weekly programme updates to the Engineer including the identification of all the activities that are delayed and the proposed plan for corrective action.

Item

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Brought Forward			R
49	<b>D.4</b> Samples of materials, workmanship and finishes (clause 4.12.1) F: _____ V: _____ T: _____	Item	
50	<b>D.5</b> Fabrication drawings that the Contractor is to provide and deliver to the Employer (clause 4.12.2) F: _____ V: _____ T: _____	Item	
51	<b>D.6</b> Office for the Foreman (clause 4.14.3) F: _____ V: _____ T: _____	Item	
52	<b>D.7</b> Telephone (clause 4.14.3) F: _____ V: _____ T: _____	Item	
53	<b>D.8</b> Office for inspector of works (clause 4.14.3) F: _____ V: _____ T: _____	Item	
54	<b>D.9</b> Telephone in office for inspector of works (clause 4.14.3) F: _____ V: _____ T: _____	Item	
55	<b>D.10</b> Sheds (clause 4.14.3) F: _____ V: _____ T: _____	Item	
Carried Forward			R
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R

56 **D.11** Provision and erection of signboards  
 (clause 4.14.6)

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

57 **D.12** Termination, diversion or maintenance of  
 existing services (clause 4.17.1)

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

58 **D.13** Services which are known to exist (clause  
 4.17.3)

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

59 **D.14** Detection apparatus (clause 4.17.4)

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

60 **D.15** Additional health and safety requirements  
 (clause 4.18)

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

**SECTION E: SPECIFIC PRELIMINARIES**

Section E contains Specific Preliminary items  
 which apply to this contract except where "N/A"  
 ( Not Applicable) appears against the item.

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<b>Brought Forward</b>		R
61	<b>E1 PROPRIETARY BRANDED PRODUCTS</b>  The Tenderer shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instruction after consultation with the manufacturer's authorised representative.  F: _____ V: _____ T: _____	Item
62	<b>E2 OVERTIME</b>  Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the Contractor unless the Engineer/Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the Employer.  F: _____ V: _____ T: _____	Item
63	<b>E3 AS BUILT DRAWINGS</b>  The position of construction breaks and the extent of individual concrete pours are to be recorded by the Contractor on the Structural Engineer's drawings and are to be submitted to the Engineer/Principal Agent and the Structural Engineer for their records.  F: _____ V: _____ T: _____	Item
<b>Carried Forward</b>		R
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**Brought Forward**

R

64 **E4 SITE INSTRUCTIONS**

Site 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.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

65 **E5 LABOUR RECORD**

At the end of each week for the full duration of the contract, the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all Sub-contractors on the works each day. The Contractor shall provide the completed DPW local labour forms , records and schedules together with all supporting documentation ( certified ID copies , Employee details, wage rates, proof of payment , period of employment, employment contracts, etc.). The client reserves the right to conduct random inspections on site to verify the local labour employed on the project.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

66 **E6 PLANT RECORD**

At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

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R

67 **E7 NON CESSION OF MONIES**

The Contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

68 **E8 SECTIONAL COMPLETION**

When it is required that the contract be executed in sections or portions, the Tenderer shall allow for all costs in this regard as no claim for additional costs will be entertained.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

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69 E9 LOCAL LABOUR

It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth and preference should be given to parents of those children that are enrolled in the school whom are not currently employed. The Contractor shall, in general, maximize the involvement of the local labour and it is required that 100% of unskilled labour should be from the local community. All standard local labour employment forms (EPWP local labour forms) together with the supporting documentation (certified ID copies, Employee details, wage rates, proof of payment, period of employment, employment contracts, etc.) must be submitted with the monthly payment certificates and issued to the Engineer.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

Item

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70	<p><b>E10 IMPORT PERMITS AND DUTIES</b></p> <p>The responsibility for obtaining the necessary import permits shall rest with the successful Tenderer. No foreign exchange will be arranged or provided by the Administration. Tenderers are to allow in their tenders and pay the ordinary levy imposed on imported items in terms of item 196.10 of Part 8 of Schedule No. 1 of the Customs and Excise Act, 1964 with effect from 1 October 1989.</p> <p>F: _____ V: _____ T: _____</p>	Item	
71	<p><b>E11 CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)</b></p> <p>Notwithstanding anything to the contrary contained in this Contract shall only when the Construction Period exceeds 6 months and the Contract sum exceeds R1,000,000,00 be subject to the Contract Price Adjustment Provisions Indices Application Manual for use with P0151 indices (CPAP) (Revised 1 January 2013) as published by Statistics South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works will not accept the submission by Tenderers of lists of additional items unless otherwise instructed. Where this contract is a Lump Sum contract, the contract will be subject to Contract Price Adjustment Provisions (CPAP) only where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
	<b>Carried Forward</b>		R
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Brought Forward

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**E12 EXPANDED PUBLIC WORKS PROGRAMME  
 (EPWP) CONDITIONS AND SPECIFICATIONS**

**12.1 EMPLOYMENT TARGETS**

**E12.1 a. Employment Targets**

72 The Contractor needs to provide a realistic estimate on the number of jobs that the project has the potential to create throughout the project duration, as the project will be implemented using Labour Intensive Construction methods on elements where it is economical and feasible. No. of jobs estimated to be created equals to a **minimum of 5 unskilled labour** for the duration of the project.

It is a general requirement of this contract that persons normally resident in the ward of the works (local labour) be given preference for employment on the contract. Provided, however, that **should adequate and appropriate labour not be available within the ward**, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour (**Local Sub-contractor(s); Skilled; Semi-Skilled and Unskilled**). The Contractor shall in consultation with the local community leaders (**Project Steering Committee**) with the purpose of negotiating with them regarding the utilization of local resources in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth as well as families declared as most indigent by War on Poverty/ Sukuma Sakhe programme profiling process. The Contractor should aim, in general, to maximise the involvement of the local community, however workers from other communities should not exceed 20% of all persons working on the project, where local Employees possess skills at a level of competency that meets Contractor's requirements.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

N/A

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**E12.1 b. Employment Requirements**

73 Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment.

Tenderers must allow for any costs for the following employment requirements of the EPWP;

- 1. 60% of unskilled labour to be women
- 2. 55% of the unskilled labour to be youth aged between 18 and 35 years
- 3. 2% of the unskilled labour to be people with disabilities

100% Unskilled labour utilised must reside within the boundaries of the Municipality ward where this contract is executed, with preference to the local community closest or at a walking distance to the contract site. Wherever possible, local skilled tradesmen are to be employed on this contract with the view to maximize utilization of local resources.

F: \_\_\_\_\_ V: \_\_\_\_\_ T: \_\_\_\_\_

N/A

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74	<p><b>E12.1 c. Labour Rate and Payment Intervals</b></p> <p>The Contractor should ensure that labour rate paid to unskilled local labour is commensurate to the daily task. When determining the rate, consideration should be given to that EPWP beneficiaries are mostly bread winners in their families, as the program intends alleviating poverty. There should also be consideration that the labour rate promotes creation of expanded number of jobs created and person days of work.</p> <p>Contractors should make endeavours to ensure that labourers, particularly unskilled are remunerated on a fortnight basis and prior notification be made should there be a shortfall on their wages.</p> <p>The labour rate for local unskilled shall also be determined in consideration of the location of the project, i.e. projects implemented in urbanized municipalities will not be the same as that for rural municipalities.</p> <p>F: _____ V: _____ T: _____</p>	N/A		
	<p><b>12.2 LABOUR INTENSIVE CONSTRUCTION METHOD</b></p> <p><b>E12.2 a Labour Intensive Construction Method</b></p>			
75	<p>Those parts of the contract to be constructed using Labour Intensive methods will be marked in the Bill of Quantity with letter LI (indicating Labour Intensive) against every item so designated. Such works will only be constructed using the method so indicated. Reference to be made to Guidelines for the implementation of Labour Intensive Infrastructure projects under EPWP.</p> <p><b>"Scope of Work in Respect of Work Relating to the Expanded Public Works Programme (EPWP)"</b></p> <p><b>Labour Intensive Component</b></p> <p>Due to the nature of the work involved, this type of project lends itself to be feasible as a labour Intensive project i.e. the construction activities will indeed require skilled/unskilled labour.</p>			
	<b>Carried Forward</b>			R
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<p>The aim of the projects is to provide some form of economic benefit whilst generating and increasing the acquired skills shortage to improve sustainability in the local area. The following are potential focus areas where employment creation can be optimized per project:</p> <ul style="list-style-type: none"> <li>(i) Trenching works not exceeding depth of 1.5m, including trenching for Foundation, Electrical, Water, Mechanical &amp; Civil Services Works including backfilling where ground conditions permit</li> <li>(ii) Building Works; All masonry works (which include concrete mixing on site; brickwork; block work ; plastering; screed works; jointing; etc.); Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc.</li> <li>(iii) Sewer works including construction of manholes, laying of Sewer pipes, bedding, backfilling and compaction.</li> <li>(iv) Water Reticulation works including excavation, bedding, laying of pipes and compaction</li> <li>(v) Site Clearance Works</li> <li>(vi) Electrical Reticulation works</li> <li>(vii) Stormwater drainage using in-situ concrete</li> <li>(viii) Landscaping and Grassing of Sports Field</li> <li>(ix) Cleaning and Fencing Works</li> </ul> <p>The above identified activities are deemed suitable to be constructed using the LIC methods; to build, upgrade and maintain the social and economic levels of the underdeveloped area, promoting community participation, development of skills and creating more work opportunities.</p> <p>The above identified activities <b>should</b> be marked in the Bill of Quantities with the letter (LI). Contractor to price the above items in the Bill of Quantities bearing in mind that they are regarded as the main sources of job creation, whether sub-contracted or undertaken by the Main Contractor.</p> <p>The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a</p>	R
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	<p>variation to the contract. The items marked with the letter LI are not necessarily an exhaustive list of all the activities which must be done by hand.</p> <p>Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
	<p><b>E12.3 RECORD KEEPING</b></p>		
76	<p>12.3.1 Every Employer must keep in the project site office the following; minutes of site progress meetings; Contractors' monthly site progress reports; accurately recorded attendance register; proof of payment as means to verify authenticity of data in the EPWP beneficiary form submitted with payment certificates. Copies of submitted EPWP beneficiary data forms should also be kept in the site office.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
77	<p>12.3.2 The Employer must keep this record for a period of at least three (3) years after the completion of the project in his/her office as the project site office would have been relocated.</p> <p>This should be safely kept for job creation data verifications and periodical audits on projects conducted by National and Provincial Department of Public Works after one (1) or two (2) quarters of submitting captured EPWP data to the National EPWP co-ordinating Department.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
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**E12.4 EPWP MONTHLY REPORTING DOCUMENTS**

78 At the end of each month the Contractor must submit:

- EPWP monthly data collection form
- Worker monthly payment upload
- Worker monthly acknowledgement of receipt of payment
- Worker monthly Payment register
- Worker monthly training form
- Monthly attendance Register
- Worker Monthly pay slips
- Unskilled labour certified ID copies (once off)
- Beneficiary ID-size photos
- Proof of UIF
- Proof of COIDA

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N/A

**E12.5 EPWP PROMOTION**

**12.5.1. EPWP signage board**

79 EPWP Program at the project level shall always be promoted through the provision of projects signage board that embraces EPWP logo at the bottom, correct measurement for this sign board will be provided by the project leader during the site handing over meeting.

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N/A

**12.5.2 Branding of labour apparel**

80 Contractor & Sub-contractors' labourers shall be provided with EPWP branded Personal Protective Equipment (PPE), reflector vest with EPWP acronym at the back as an ideal and cost effective means of promoting program on site.

The Contractor is advised to price for both items 12.5.1 and 12.5.2

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**E12.6 COMMUNITY LIAISON OFFICER (CLO)**

**UTILISATION OF A COMMUNITY LIAISON OFFICER**

The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract.

A CLO will be identified by the local structures (Project Steering Committee) of the ward areas and appointed, following fair and transparent interviewing process, to be conducted in the presence of local structures and the Contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The Contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.

**Key responsibilities of the CLO are envisaged to include and not necessarily be limited to:**

1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by Contractor.
2. Assisting in sourcing labour-only domestic Sub-contractors and the procurement of materials from local resources, as required by the Contractor.
3. Assisting the Contractor by identifying areas of potential conflict and or threats to the project or to stakeholders in the project and recommend appropriate action to the Contractor.
4. Assisting Contractor and stakeholders in the project in the resolution of any conflicts which may arise.
5. Establishing and ensuring that sufficient and open communication channels between the Contractor and the work force are maintained.
6. Establish and ensuring that efficient and open communication channels between the Contractor and

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the community are maintained.

7. Identifying and reporting to the Contractor regarding issues where communication between stakeholder is necessary, recommend courses of action and facilitate such communications.

8. Assisting the Contractor and the workforce in the establishment of grievance procedures and necessary recommendations to the Contractor regarding the grievances and solution thereto.

9. Attending to site meetings and project implementation meetings as required by the Contractor and preparing periodic reports as may be required by the Contractor, from time to time.

10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor, from time to time.

81 Tenderers are to price twice the rate of unskilled local labour rate for the Community Liason Officer (CLO) against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Head: Public Works.

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**E12.7 SKILLS DEVELOPMENT ON SITE**

82 The Contractor is conforming to the objectives of EPWP if his beneficiaries are capacitated with skills that will render them employable in the future. It is then the responsibility of the Contractor that mandatory life skills are provided to 100% of workforce on site and on the job training to labourers from whom the potential for further development has been identified. The latter is not mandatory to all as it covers technical skills.

The Contractor should also make provision for the possibility that there might be local youth that will need to be placed on the project with an intention to be provided support towards improving their level of competency and productivity.

The Contractor shall also provide all necessary on-the-job training to targeted labour to enable such labour to master and advance on techniques required to undertake the work in accordance with requirements of the contract in a manner that does not compromise workers health and safety.

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**E12.8 SUB-CONTRACTING FOR LOCAL EMERGING ENTERPRISES**

The project can support the notion of one Main Contractor to be appointed whilst several Sub-contractors, possibly from the local Small, Medium and Micro Enterprises (SMME) group, are employed to undertake various smaller activities. However due to the nature of the project, there will be **no local** Sub-contracting.

**83 12.8.1 Sub-contractor Procedure**

The recommendation will be that the Contractor shall advertise and call for competitive tenders in respect of each portion of the works that are required to be subcontracted. The tenders received are then evaluated by both the Employer and the Contractor. The evaluation panel shall comprises equal representatives from the Employer and from the Contractor.

The Contractor shall without delay enter into contract with the successful tendering Subcontractor based on their accepted tender submission.

This will promote the cost effective participation and development of smaller registered Contractors in larger valued contracts without losing single point of accountability for projects. This will allow the emerging Contractors to tender for work in a fair, transparent and equitable manner rather than having to negotiate such contracts with the Main Contractor. Also guarantees the participation of Contractors registered in lower Contractor grading designation.

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84	<p style="text-align: center;"><b>Brought Forward</b></p> <p><b>12.8.2 Sub-contractor Mentoring</b></p> <p>Once the Sub-contractors have been identified and engaged, the Contractor shall closely monitor their performance in the execution of their contracts.</p> <p>The Contractor will be responsible for drawing implementation plan that will assist in managing the development of Sub-contractors undertaking Labour Intensive work.</p> <p>The Contractor will be responsible for management of the Sub-contractors and to ensure that they comply with all EPWP requirements as set-out in this specification.</p> <p>The Contractor and Sub-contractors will be required to compile monthly progress reports to be submitted with payment certificates. The reports shall include planned targets with regards to the works and employment, employment of EPWP beneficiaries and project expenditure. Failure to produce monthly reports will render payment certificates incomplete</p> <p>The Contractor will be required to assist, train, mentor and monitor its Sub-contractors and report through monitoring tool on progress of each Sub-contractor.</p> <p>F: _____ V: _____ T: _____</p>	R	
	N/A		
	<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1              Bill No. 1              PRELIMINARIES  <b>LDM QUANTITY SURVEYORS</b></p>	R	

85	<p style="text-align: center;"><b>Brought Forward</b></p> <p><b>12.8.3 Portfolio of Evidence</b></p> <p>The Contractor is to develop and /or maintain a portfolio of evidence for each Sub-contractor. The Portfolio of Evidence is a collection of proof of the training, coaching, guidance and monitoring inputs provided to the Sub-contractor. It is the document which records the development progress of the Sub-Contractor and will need to be updated continually throughout the duration of the contract.</p> <p>The Portfolio of Evidence should include but not limited to the following documentation:</p> <ul style="list-style-type: none"> <li>• The development path designed for each Sub-Contractor,</li> <li>• The Training course completed by the Sub-Contractor,</li> <li>• The hours of guiding, coaching and mentoring received for each activity listed in the developmental plan,</li> <li>• A list of outcomes achieved at each level for each activity.</li> </ul> <p>F: _____ V: _____ T: _____</p> <p><b>Performance and Penalties</b></p> <p>The Contractor performance will be monitored throughout the contract. Should the Contractor fail to fulfil his obligation he will be liable for penalties. Payment of the penalty shall not absolve the Contractor of any claim, or relieve the Contractor of any of his duties, obligations or responsibilities under the contract.</p> <ul style="list-style-type: none"> <li>• Utilisation of the Sub-Contractors</li> </ul> <p>The Contractor's achievement of the targets will be measured quarterly to determine the progress made to date.</p>	R	
	N/A		
	<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1                  Bill No. 1                  PRELIMINARIES  <b>LDM QUANTITY SURVEYORS</b></p>	R	

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86	<p><b>12.8.4 Local Suppliers</b></p> <p>Local material suppliers within the vicinity of the site to be utilise as long as their materials meets the required specification. However, quality and suitability would have to be checked by the Employer, if the local suppliers are unable to meet the demand the nearest suitable suppliers are to be used.</p> <p>Production of materials should be done on site, where economies of scale allow e.g. concrete paving blocks should be encouraged which will enable employment creation and also allow for enterprise development.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
87	<p><b>12.8.5 TENDERER'S TO NOTE CONDITIONS</b></p> <p>a) The contract to be entered into between the Contractor and the PPG's will be a LABOUR ONLY sub-contract.</p> <p>b) The Contractor will be responsible for ensuring that all materials for use by the PPG's in the works are to be on site timeously. The Contractor shall liaise with the Mentor and PPG to determine the nature and extent of materials required and the lead time necessary.</p> <p>c) The Contractor shall be responsible for the overall programming of the Works and he is to allow for monitoring the PPG's programme and progress.</p> <p>d) In conjunction with the Mentor, he is to allow for the supervision and mentoring (where necessary) of the PPG to ensure quality and adherence to standard building practice.</p> <p>e) The Contractor is to allow for extra storage facilities on site for the PPG's tools and equipment.</p> <p>f) Basic tools shall be provided by the PPG's and where these are not available, the Contractor will supply him with the necessary tools and equipment and deduct the costs thereof from the interim claims made by the PPG.</p>		
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<p>g) Work requiring specialized tools will be provided free of charge by the Contractor with the provision that these be returned upon completion of the Work.</p> <p><b>CO-ORDINATION</b></p> <p>The Contractor is to co-ordinate the work of all the PPG's, Sub-Contractors and Nominated Sub-Contractors appointed direct by the Employer in such a manner and at all times as will suit the building programme and he is to allow adequate access, for the PPG's, where required, to carry out their work in an efficient manner as no claims for extras in this connection will be entertained.</p> <p><b>ATTENDANCE</b></p> <p>The Contractor may allow for attendance upon the PPG's concerned to execute the work. The Contractor is to allow the PPG's the use of any scaffolding belonging to him while it remains so erected on the site.</p> <p>Where scaffolding is necessary for the use by any PPG and the Contractor has not erected any for his own use or has removed same after his own use, the Contractor shall supply sufficient scaffolding to the PPG to be erected and dismantled by the PPG and returned to the Contractor.</p> <p>This attendance upon PPG's to execute the work is to include for the scaffolding provisions as aforesaid and, in addition, is to include for co-operating to the fullest extent with all the parties, attending on off-loading materials, providing suitable storage for tools and materials used by the PPG's, use of general facilities such as latrines, etc., supply and cost of power, lighting, water and the like.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1            Bill No. 1            PRELIMINARIES  <b>LDM QUANTITY SURVEYORS</b></p>		<b>R</b>

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	<p><b>E12.9 EPWP CONTRACT FOR LABOUR</b></p> <p>88 It is compulsory that shortly after the Contractor and or Sub-contractor has appointed local labour, the employment contract should be signed by both parties, prior to commencement with works on site. The employment contract forms part of the Ministerial Determination or from the regional EPWP officials.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
	<p><b>E12.10 EPWP SCOPE OF WORKS FOR THIS PROJECT</b></p> <p>89 <b>Contractors are to price any item on the Bill of Quantities highlighted below, bearing in mind that they are regarded as main sources of job creation, whether Sub-contracted or undertaken by the Main Contractor.</b></p> <p><b>Elements on the scope of work where the application of Labour Intensive Construction methods are indicated with letters (LI) are as follows:</b></p> <p>i) Excavating trenches for foundations and any other civil works with the depth not more than 1.5 m                      ii) All masonry works which include concrete mixing on site; brickwork; plastering; screed works; jointing; etc.                      iii) Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc.                      iv) External works such as landscaping; cleaning; paving; fencing; tarmac; etc.</p> <p>F: _____ V: _____ T: _____</p>	N/A	
	<b>Carried Forward</b>		R
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90	<p><b>E13 HIV/AIDS AWARENESS</b></p> <p>Tenderers are to price against the following items for compliance with the SPECIFICATION FOR HIV/AIDS AWARENESS bound into this document (The clauses referred to are those of the Specification for HIV/AIDS)</p> <p><b>E13.1</b> Provide and maintain a condom dispenser in terms of Clause 5.1a</p> <p>F: _____ V: _____ T: _____</p>		Item	
91	<p><b>E13.1</b> Provide and maintain HIV/AIDS awareness posters terms of Clause 5.1b</p> <p>F: _____ V: _____ T: _____</p>		Item	
92	<p><b>E13.2</b> HIV /Aids Awareness Programme on Site for not less than 90% of workers inclusive of all direct and indirect costs; Engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme in terms of Clause 5.2.1a</p> <p>F: _____ V: _____ T: _____</p>		Item	
93	<p><b>E13.3</b> Arrange for workers to attend the HIV Awareness Programme in terms of Clause 5.2.1b</p> <p>F: _____ V: _____ T: _____</p>		Item	
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94 **E13.4 REPORTING**

Prepare and attach to claims for payment a brief report in terms of Clause 5.3 (see also HIV/STI Compliance Report (included with this document)).

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**Note:** In the event that the Contractor fails to satisfy the requirements of this specification, the Employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.

95 **E14 OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993**

Tenderers are to allow for costs in providing a project specific ' Construction Phase Safety, Health and Environmental Plan' in accordance with "Section 2 - Specification Data associated with SANS 1921-1:2004" clause C4.18 in "Part C3 - Scope of Work".

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96 **E15 NOTICE BOARD, SITE OFFICE, ETC.**

Bidders are to allow for the provision and removal of a project notice board and a site office in accordance with the Principal Agent's requirements.

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97 **E16 IMPORTED MATERIALS AND EQUIPMENT**

Where imported items are listed in the tender documents, the tenderer shall provide all information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations.

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98 **E17 CONTRACT DOCUMENTS**

The drawings issued with these Bid documents do not comprise the complete set but serves as a guide only for Biding purposes and for indicating the scope of works to enable the Bidder to acquaint him with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly legible to the Bidder he shall, before submitting his Bid, obtain clarification in writing from the Principal Agent.

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99 **E18 GENERAL PREAMBLES**

The Document Preambles will be the "ASAQS Model Preambles for Trades - 2017" and is obtainable from the various Regional Office's of the Department of Public Works and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used.

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100

**E19 TRADE NAMES**

Wherever a Trade Name for any product has been described in the Bills of Quantities the Bidder's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the Principal Agent being obtained prior to the closing date for submission of Bids.

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101

**E20 EXISTING PREMISES**

The Contractors attention is drawn to the fact that the existing building and surrounding buildings will remain in occupation during the performance of this contract and it is essential that the interruption to the daily activities of be kept to a minimum during the construction activities, to this end, the Contractor must allow for working in co-operation with the Engineer in organising the work in such a way as to cause the minimum disruption to the normal activities of this institution.

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102 **E21 INACCURATE AND DEFECTIVE WORK EXECUTED UNDER PREVIOUS CONTRACT**

The Contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work.

Should any inaccurate or defective work be found, the Contractor shall immediately notify the Principal Agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.

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103 **E22 VIEWING THE SITE IN SECURITY AREAS**

If the site is situated in a security area, the Bidder must arrange with the Authorities to obtain permission to enter the site for Bidding purposes.

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104 **E23 COMMENCEMENT OF WORKS IN SECURITY AREAS**

If the works falls within a security area, the Contractor must arrange with the Authorities and give the necessary notices before commencement of the works. Should the Contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the Contractor's account.

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Item

105 **E24 ENTRANCE PERMITS TO SECURITY AREAS**

If the works fall within a security area, the Contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under control of the Authority.

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**E25 SECURITY CHECK OF PERSONNEL**

The Principal Agent may require the Contractor to have his personnel and workmen, or a certain number of them, security classified.

In the event of the Principal Agent requesting the removal of a person or persons from the works for security reasons, the Contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.

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**E26 PROHIBITION ON TAKING PHOTOGRAPHS**

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister."

The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.

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108 **E27 NATURE AND EXTENT OF WORK**

The broad scope of the work comprises repairs, renovation, alterations, external works, etc. necessitated by **Disaster Storm Damage**.

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109 **E28 PROTECTION OF EXISTING**

Every care shall be taken to protect all parts of the building and ground against disfigurement of any kind. The Contractor shall be responsible for any damage caused to vehicles, persons or property by his operations, and he will be required to supply and maintain such temporary measures as are required, to prevent such damage.

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Item

110 **E29 ACCESS**

The Contractor is to allow for all costs associated with sites having restricted access due to location, road conditions, etc. The Contractor to note the sites have extremely restricted access and in some instances, restricted access may affect the delivery of materials, etc. The Contractor to accordingly ensure the most suitable and effective access routes are investigated and implemented to achieve continuity of the works.

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111 **E30 SAFETY TO THE SITE**

All scaffolding, protection, machinery and tools on the site shall be erected, used and/or maintained in accordance of the requirements of the Occupational Health and Safety Act (85/1993) as amended and any regulations thereto. All relevant local authority bylaws shall also be complied with. The Contractor to provide suitable hoarding to demarcate the area of the construction works from the other adjacent operational areas. All open excavations and incomplete construction work to be cordoned off with danger tape.

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112 **E31 ASBESTOS CEMENT**

All preparatory work, alterations, demolitions, etc. to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc. are to be carried out strictly in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations, 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposing of waste resulting from cleaning operations, etc.

Allowance is to be made for costs associated with compliance with these Regulations.

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113	<p style="text-align: center;"><b>Brought Forward</b></p> <p><b>E32 EXISTING PREMISES OCCUPIED</b></p> <p>The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining building and occupants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins, temporary fences that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent. The Contractor may have to sequence noisy activities during school hours. In addition, no disruptions will be entertained during examinations.</p> <p>F: _____ V: _____ T: _____</p> <p><b><u>SUMMARY OF CATEGORIES</u></b></p> <p>Category : Fixed R _____</p> <p>Category : Value R _____</p> <p>Category : Time R _____</p>	Item	R
	<p><b>Carried to Final Summary on page 112</b></p> <p>Section No. 1                      Bill No. 1                      PRELIMINARIES  <b>LDM QUANTITY SURVEYORS</b></p>		R



**KWAZULU-NATAL PROVINCE**  
**PUBLIC WORKS**  
REPUBLIC OF SOUTH AFRICA

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**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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## **PART C2.3 BILL OF QUANTITIES**

Item  
No

Quantity

Rate

Amount

**SECTION NO. 2 (CRITICAL STORM DAMAGE)**

**BILL NO. 1**

**ALTERATIONS AND DEMOLITIONS (PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)

**SUPPLEMENTARY PREAMBLES**

**View site**

Before submitting his tender the Contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.

**Explosives**

No explosives whatsoever may be used for demolition purposes unless otherwise stated.

**Taking Out and Removal of Asbestos**

Taking out and removing asbestos roof, gutters, underlay, fibreglass, downpipes, etc. must be in strict accordance with health and occupational safety regulations and a specialist firm must be contracted to dispose of the material.

**Carried Forward**

R

Section No. 2  
 Bill No. 1  
 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

<b>Brought Forward</b>	R
<p><b><u>General</u></b></p> <p>Descriptions of taking out shall be deemed to include carting away from site to a dump ground to be found by the Contractor.</p> <p>The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent.</p> <p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc., shall be levelled and prepared for raising of brickwork.</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary.</p>	R
<b>Carried Forward</b>	R
<p>Section No. 2                  Bill No. 1                  ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  <b>LDM QUANTITY SURVEYORS</b></p>	

<b>Brought Forward</b>			R
<p>The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.).</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing.</p>			
<b><u>REMOVAL OF EXISTING WORK</u></b>			
<b><u>Breaking down and removing blockwork, etc.</u></b>			
1	190mm Block walls in beamfilling	m2	14
<b><u>Taking down and removing roofs, floors, panelling ceilings, partitions, etc. completely (new work elsewhere measured) including carting away</u></b>			
2	Asbestos roof sheeting including timber trusses, purlins, ridge capping and provision of certificate of safe disposal for asbestos and the weighbridge receipt from the disposal company	m2	88
3	Corrugated roof sheeting including purlins, etc. in patches	m2	82
4	Aluminium rainwater gutters and fixings	m	46
5	Aluminium rainwater downpipes and fixings	m	12
6	Fibre cement fascia boards and fixings	m	46
7	Fibre cement barge boards and fixings	m	24
<b>Carried Forward</b>			R
<p>Section No. 2                      Bill No. 1                      ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  <b>LDM QUANTITY SURVEYORS</b></p>			

STORM DAMAGE DISASTER PROGRAMME : PHASE 16  
 ETHEKWINI REGION  
 MANDENI PRIMARY SCHOOL  
 WIMS NO. 033004

	<b>Brought Forward</b>			R
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screeds, plaster, etc. (elsewhere measured)</u>			
8	Hacking out mortar packing in beamfilling	m2	5	
	<b><u>BUDGETARY ALLOWANCES</u></b>			
9	<p>Allow a sum of 25,000.00 (Twenty Five Thousand Rands) for Asbestos Inspection Authority (AIA) to be appointed by the Department of Public Works via the awarded contractor.</p> <p>The Awarded contractor will be expected to provide three (3) quotes for AIA services for approval and acceptance by Department of Public Works and will then be appointed by the Contractor and paid by the Contractor.</p> <p>The appointed AIA and the appointed Asbestos contractor for removal and disposal will not be the same entity / company. Refer to duties for AIA and Asbestos contractor attached.</p>			
			Item	25 000.00
10	Profit and Attendance		Item	
	<b>Carried Forward</b>			R
	<p>Section No. 2          Bill No. 1          ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  <b>LDM QUANTITY SURVEYORS</b></p>			

<p style="text-align: center;"><b>Brought Forward</b></p> <p>The duties and responsibilities of the appointed AIAs briefly the following in terms of the Asbestos Abatement Regulations of 2020 :</p> <ol style="list-style-type: none"> <li>1. If there is no Asbestos Inventory available the AIA will develop the Inventory for the Client.</li> <li>2. If there is an Asbestos Inventory the AIA will review the Inventory and Risk Assessment and if needed amend.</li> <li>3. Based on the Inventory recommend and the anticipated Scope of Work, advise the Client of what category of Asbestos Contractor needs to be appointed.</li> <li>4. When the asbestos Contractor is appointed, in consultation with the Asbestos Contractor develop and approve the Plan of Work.</li> <li>5. Upon approval of the Asbestos Plan, at least 7 days before work is scheduled to take place submit the plan to Department of Employment and Labour.</li> <li>6. Ensure that acknowledgement of Work Plan Submission to Department of Employment and Labour is received within the 7 day period.</li> <li>7. Ensure that Medical Fitness certificates and Asbestos training records are available.</li> <li>8. Provide guidance and site specific instructions to the Asbestos removal and disposal Sub- Contractor.</li> <li>9. Inspect work activities and if needed to stop work which is not in accordance with the approved work plan or posing a risk to health and safety of persons.</li> <li>10. Perform planned air monitoring to determine exposure levels.</li> <li>11. Conduct analysis of air monitoring samples.</li> <li>12. Provide Client with report on findings and issue a Clearance To the Client as well as ensuring that Client is provided with Disposal certificates.</li> </ol>				R
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 2              Bill No. 1              ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  <b>LDM QUANTITY SURVEYORS</b></p>				R

**STORM DAMAGE DISASTER PROGRAMME : PHASE 16**  
**ETHEKWINI REGION**  
**MANDENI PRIMARY SCHOOL**  
**WIMS NO. 033004**

	<b>Brought Forward</b>		R
11	Provide the amount of R25,000.00 (Twenty-five Thousand Rand) for inspection and rectification of any defective builder's work in relation to the work completed by the previous Contractor	Item	25 000.00
			R
	<b>Carried Forward to Summary of Section No. 2</b>		
	Section No. 2		
	Bill No. 1		
	ALTERATIONS AND DEMOLITIONS (PROVISIONAL)		
	<b>LDM QUANTITY SURVEYORS</b>		

Item  
No

Quantity

Rate

Amount

**SECTION NO. 2 (CRITICAL STORM DAMAGE)**

**BILL NO. 2**

**MASONRY (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

**BRICKWORK**

**Sizes in descriptions**

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.

**Hollow walls, etc.**

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 "Brixéal" bitumen emulsion waterproofing coating.

**Face bricks**

Bricks shall be ordered timeously to obtain uniformity in size and colour.

**Pointing**

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.

**SUPERSTRUCTURE BLOCKWORK**

**Carried Forward**

R

Section No. 2  
 Bill No. 2  
 MASONRY (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Brought Forward			R
<b><u>Blockwork of M190 cement blocks in class II mortar</u></b>			
1	Block wall in beamfilling	m2	14
<b><u>BLOCKWORK SUNDRIES</u></b>			
<b><u>Blockwork reinforcement</u></b>			
2	150mm Wide reinforcement built in horizontally	m	46
<b><u>Galvanised wire ties, etc.</u></b>			
3	30 x 1.6mm Roof tie 1,6m long with one end built into blockwork and other end fixed to timber	No	42
<b><u>Mortar packing</u></b>			
4	Mortar packing in beamfilling	m2	5
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2 Bill No. 2 MASONRY (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2 (CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 3</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<b><u>0.58mm Colorbond IBR profile sheeting, colour one side fixed to timber purlins (elsewhere measured) and fixed strictly in accordance with the manufacturer's instructions</u></b>			
1	Roof covering with pitch not exceeding 25 degrees	m2	170	
2	Standard galvanised ridge capping (500mm girth) screwed through sheeting to purlins	m	46	
3	Sondor IBR pattern polycloser under capping	m	92	
4	Sondor IBR pattern metal closers under capping	m	92	
5	Cover flashings 150mm girth	m	24	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<b><u>"Sisalation 430" or equal and approved heavy industrial grade aluminium foil based insulation</u></b>			
6	Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	170	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Bill No. 3			
	ROOF COVERINGS (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item  
No

Quantity                      Rate                      Amount

**SECTION NO. 2 (CRITICAL STORM DAMAGE)**

**BILL NO. 4**

**CARPENTRY AND JOINERY (PROVISIONAL)**

**ROOFS, ETC.**

**PREFABRICATED TIMBER ROOF TRUSSES, ETC.**

NOTE:

Timber roof trusses are to comply with SABS Code of Practice 0243. (The design, manufacture and erection of timber trusses, including nail-plated and bolted trusses with lapped members).

The following is applicable in respect of roof trusses:

Trusses are at maximum 1200mm centres. Roof covering is IBR profiled metal sheeting colour one side on 50 x 76mm purlins. Ceilings are nailed gypsum plasterboard on brandering.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from site before design or fabrication commences.

**Carried Forward**

R

Section No. 2  
 Bill No. 4  
 CARPENTRY AND JOINERY (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Brought Forward			R
<b><u>Design and supply plate nailed timber roof trusses including issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person</u></b>			
1	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. and issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person, to suit roof area approximate size <b>(88m<sup>2</sup>) (on flat floor area inclusive of overhangs, etc.) - Block A</b>		SUM
2	Allowance for the issue of TR1 and TR2 certificates for the entire roof installation, signed by a competent person	Item	
<b><u>Wrought softwood</u></b>			
3	38 x 114mm Bolted wall plates	m      46	
4	38 x 114mm Timber rafter	m      2	
5	76 x 50mm Purlins	m      322	
6	76 x 114mm False Timber fixed onto truss for fascia and barge boards	m      35	
<b><u>EAVES, VERGES, ETC.</u></b>			
<b><u>Pressed Nutec or equal and approved cement boards</u></b>			
7	10 x 225mm Fascia boards including joiners	m      46	
8	10 x 225mm Barge boards including H profile jointing strips	m      24	
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2			
Bill No. 4			
CARPENTRY AND JOINERY (PROVISIONAL)			
<b>LDM QUANTITY SURVEYORS</b>			



Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2 (CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 6</u></b>			
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>			
	<b><u>RAINWATER DISPOSAL</u></b>			
	<b><u>'Seamless' aluminium</u></b>			
1	150 x 150mm Box gutters with baked enamel finish fixed with concealed brackets	m	86	
2	100 x 75mm Fluted aluminium downpipes with baked enamel finish	m	20	
3	Extra over eaves gutter for stopped ends	No	8	
4	Extra over eaves gutter for drop box suitable for 150 x 150mm box gutter	No	8	
5	Extra over eaves gutter for bends	No	16	
6	Extra over eaves gutter for shoes	No	8	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Bill No. 6			
	PLUMBING AND DRAINAGE (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2 (CRITICAL STORM DAMAGE)</u></b></p> <p><b><u>BILL NO. 7</u></b></p> <p><b><u>PAINTWORK (PROVISIONAL)</u></b></p> <p><b><u>PAINTWORK, ETC. TO NEW WORK</u></b></p> <p><b><u>"PLASCON" OR EQUAL AND APPROVED</u></b></p> <p><b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b></p> <p><u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats PVA emulsion paint for interior use</u></p>			
1	On beamfilling	m2	51	
	<p><b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b></p> <p><u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats PVA emulsion paint for external use</u></p>			
2	On beamfilling	m2	51	
	<p><b><u>ON FIBRE-CEMENT BOARD SURFACES</u></b></p> <p><u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats superior quality acrylic emulsion paint for exterior use</u></p>			
3	On fascia and barge boards, including priming metal jointing strips	m2	17	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Bill No. 7 PAINTWORK (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Bill No	<u>SECTION SUMMARY - CRITICAL STORM DAMAGE</u>	Page No	Amount
1	ALTERATIONS AND DEMOLITIONS (PROVISIONAL)	47	
2	MASONRY (PROVISIONAL)	49	
3	ROOF COVERINGS (PROVISIONAL)	50	
4	CARPENTRY AND JOINERY (PROVISIONAL)	52	
5	PLASTERING (PROVISIONAL)	53	
6	PLUMBING AND DRAINAGE (PROVISIONAL)	54	
7	PAINTWORK (PROVISIONAL)	55	
<p><b>Carried to Final Summary on page 112</b></p> <p>Section No. 2</p> <p><b>LDM QUANTITY SURVEYORS</b></p>			<p>R</p>

Item  
No

Quantity                      Rate                      Amount

**SECTION NO. 3 (NON CRITICAL STORM DAMAGE)**

**BILL NO. 1**

**ALTERATIONS AND DEMOLITIONS (PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)

**SUPPLEMENTARY PREAMBLES**

**View site**

Before submitting his tender the Contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.

**Explosives**

No explosives whatsoever may be used for demolition purposes unless otherwise stated.

**Taking Out and Removal of Asbestos**

Taking out and removing asbestos roof, gutters, underlay, fibreglass, downpipes, etc. must be in strict accordance with health and occupational safety regulations and a specialist firm must be contracted to dispose of the material.

**Carried Forward**

R

Section No. 3  
 Bill No. 1  
 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

**Brought Forward**

R

**General**

Descriptions of taking out shall be deemed to include carting away from site to a dump ground to be found by the Contractor.

The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent.

Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent.

Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.

Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.

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

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

**Carried Forward**

R

Section No. 3  
 Bill No. 1  
 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

<b>Brought Forward</b>			R
<p>The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.).</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing.</p>			
<b><u>REMOVAL OF EXISTING WORK</u></b>			
<b><u>Taking out and removing timber doors, etc.</u></b>			
1	Timber single door from steel frame 813 x 2032mm high overall from one brick wall	No	17
<b><u>Breaking up and removing blockwork, etc.</u></b>			
2	190mm Block walls in beamfilling	m2	62
3	Air vents approximate size 220 x 150mm	No	108
4	Hacking out mortar packing in beamfilling	m2	16
<b><u>Breaking up and removing damaged glass</u></b>			
5	Glass from steel windows including cleaning out rebates and preparing for new glass (elsewhere measured)	m2	14
<b><u>Taking down and removing roofs, floors, panelling ceilings, partitions, etc. completely (new work elsewhere measured) including carting away</u></b>			
6	Asbestos roof sheeting including timber purlins, trusses and provision of certificate of safe disposal for asbestos and the weighbridge receipt from the disposal company	m2	833
7	Asbestos roof sheeting including timber purlins and provision of certificate of safe disposal for asbestos and the weighbridge receipt from the disposal company	m2	950
<b>Carried Forward</b>			R
Section No. 3 Bill No. 1 ALTERATIONS AND DEMOLITIONS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

<b>Brought Forward</b>			R
8	Gypsum plasterboard ceilings including cornices, timber bandering, etc.	m2	104
9	Aluminium rainwater gutters and fixings	m	205
10	Aluminium rainwater downpipes and fixings	m	15
11	Fibre cement fascia boards and fixings	m	205
12	Fibre cement barge boards and fixings	m	92
<b><u>Taking out and removing ironmongery</u></b>			
13	132mm Brass window latches including catches, etc.	No	224
14	Existing damaged chalkboards 2400 x 1200mm high	No	8
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screeds, plaster, etc. (elsewhere measured)</u></b>			
15	Average 25mm screed from floors	m2	660
16	Average 25mm thick screed skirting	m	61
17	Average 25mm screed from floors in patches	m2	62
18	External plaster from wall in patches	m2	198
19	Internal plaster from walls in patches	m2	423
<b><u>MAKING GOOD OF FINISHES, ETC.</u></b>			
<b><u>Putty to existing steel windows</u></b>			
20	Scrape out existing putty to steel windows including cleaning out rebates and replace with new putty	m	1 702
<b>Carried Forward</b>			R
Section No. 3			
Bill No. 1			
ALTERATIONS AND DEMOLITIONS (PROVISIONAL)			
<b>LDM QUANTITY SURVEYORS</b>			

Brought Forward

R

**STRUCTURAL REPAIRS**

**Repairs to structural cracks, etc.**

21 Rake out existing structural crack, remove all debris/loose material including cutting or drilling slots (60mm deep) in brickwork at 250mm centres to embed steel rods (elsewhere measured)

m

394

**Carried Forward to Summary of Section No. 3**

Section No. 3  
 Bill No. 1  
 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

R

Item  
No

Quantity      Rate      Amount

**SECTION NO. 3 (NON CRITICAL STORM DAMAGE)**

**BILL NO. 2**

**CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)**

**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 Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Principal Agent. (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 reconditioning 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**

R

Section No. 3  
 Bill No. 2  
 CONCRETE, FORMWORK, REINFORCEMENT (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

<b>Brought Forward</b>			R
<p>Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p>			
<b><u>CONCRETE SUNDRIES</u></b>			
<b><u>"Prostruct 617" or equal and approved</u></b>			
1	Apply general purpose epoxy adhesive, grouted into existing brickwork, 10mm deep x 20mm wide to secure rebar (elsewhere measured)	m	394
<b><u>REINFORCEMENT</u></b>			
<b><u>High tensile steel reinforcement to structural concrete work</u></b>			
2	Bars of varying diameters	t	0.302
<b>Carried Forward to Summary of Section No. 3</b>			R
<p>Section No. 3                      Bill No. 2                      CONCRETE,FORMWORK,REINFORCEMENT(PROVISIONAL)  <b>LDM QUANTITY SURVEYORS</b></p>			

Item  
No

Quantity      Rate      Amount

**SECTION NO. 3 (NON CRITICAL STORM DAMAGE)**

**BILL NO. 3**

**MASONRY (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

**BRICKWORK**

**Sizes in descriptions**

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.

**Hollow walls. etc.**

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 "Brixéal" bitumen emulsion waterproofing coating.

**Face bricks**

Bricks shall be ordered timeously to obtain uniformity in size and colour.

**Pointing**

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.

**SUPERSTRUCTURE BLOCKWORK**

Carried Forward

R

Section No. 3  
 Bill No. 3  
 MASONRY (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

STORM DAMAGE DISASTER PROGRAMME : PHASE 16  
 ETHEKWINI REGION  
 MANDENI PRIMARY SCHOOL  
 WIMS NO. 033004

Brought Forward			R
<b><u>Blockwork of M190 cement blocks in class II mortar</u></b>			
1	Block wall in beamfilling	m2	62
<b><u>BLOCKWORK SUNDRIES</u></b>			
<b><u>Blockwork reinforcement</u></b>			
2	150mm Wide reinforcement built in horizontally	m	205
<b><u>Galvanised wire ties, etc.</u></b>			
3	30 x 1.6mm Roof tie 1,6m long with one end built into blockwork and other end fixed to timber	No	72
<b><u>Air bricks, etc.</u></b>			
4	Air vents approximate size 220 x 150mm	No	108
<b><u>Mortar packing</u></b>			
5	Mortar packing in beamfilling	m2	16
<b><u>BRICKWORK REPAIRS</u></b>			
6	Provide the amount of R40,000.00 (Forty Thousand Rand) strapping of division walls to external walls which shall be authorized by the Principal Agent/Engineer, and all costs will be agreed as per schedule rates, or at rates to be agreed in accordance with the provisions of the contract	Item	40 000.00
7	Provide the amount of R15,000.00 (Fifteen Thousand Rand) for building in lintels over doors including making good which shall be authorized by the Principal Agent/Engineer, and all costs will be agreed as per schedule rates, or at rates to be agreed in accordance with the provisions of the contract	Item	15 000.00
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 3			
MASONRY (PROVISIONAL)			
<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b></p> <p><b><u>BILL NO. 4</u></b></p> <p><b><u>WATERPROOFING (PROVISIONAL)</u></b></p> <p><b><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC.</u></b></p> <p><b><u>Apply three coats "Sika RainTite Kit" or equal and approved resistant acrylic emulsion waterproofing paint, one base coat with kit membrane and embed into base coat, apply one saturator coat and one top coat</u></b></p>			
1	On fibre cement sheeting in patches including ridge and over screw heads	m2	170	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 Bill No. 4 WATERPROOFING (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 5</u></b>			
	<b><u>ROOF COVERINGS (PROVISIONAL)</u></b>			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<b><u>0.58mm Colorbond IBR profile sheeting, colour one side fixed to timber purlins (elsewhere measured) and fixed strictly in accordance with the manufacturer's instructions</u></b>			
1	Roof covering with pitch not exceeding 25 degrees	m2	1 783	
2	Standard galvanised ridge capping (500mm girth) screwed through sheeting to purlins	m	140	
3	Sondor IBR pattern polycloser under capping	m	280	
4	Sondor IBR pattern metal closers under capping	m	280	
5	Cover flashings 150mm girth	m	140	
	<b>Carried Forward</b>		R	
	Section No. 3 Bill No. 5 ROOF COVERINGS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward

R

**ROOF AND WALL INSULATION**

**"Sisalation 430" or equal and approved heavy industrial grade aluminium foil based insulation**

6 Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires

m2

1 783

**Carried Forward to Summary of Section No. 3**

R

Section No. 3  
 Bill No. 5  
 ROOF COVERINGS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Item  
No

Quantity                      Rate                      Amount

**SECTION NO. 3 (NON CRITICAL STORM DAMAGE)**

**BILL NO. 6**

**CARPENTRY AND JOINERY (PROVISIONAL)**

**ROOFS, ETC.**

**PREFABRICATED TIMBER ROOF TRUSSES, ETC.**

NOTE:

Timber roof trusses are to comply with SABS Code of Practice 0243. (The design, manufacture and erection of timber trusses, including nail-plated and bolted trusses with lapped members).

The following is applicable in respect of roof trusses:

Trusses are at maximum 1200mm centres. Roof covering is IBR profiled metal sheeting colour one side on 50 x 76mm purlins. Ceilings are nailed gypsum plasterboard on brandering.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from site before design or fabrication commences.

**Carried Forward**

R

Section No. 3  
 Bill No. 6  
 CARPENTRY AND JOINERY (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Brought Forward			R
<b><u>Design and supply plate nailed timber roof trusses including issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person</u></b>			
1	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. and issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person, to suit roof area approximate size <b>(160m2) (on flat floor area inclusive of overhangs, etc.) - Block C</b>		SUM
2	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. and issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person, to suit roof area approximate size <b>(242m2) (on flat floor area inclusive of overhangs, etc.) - Block F</b>		SUM
3	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. and issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person, to suit roof area approximate size <b>(250m2) (on flat floor area inclusive of overhangs, etc.) - Block G</b>		SUM
<b><u>Wrought softwood</u></b>			
4	38 x 114mm Bolted wall plates	m	158
5	38 x 114mm Timber bearers	m	5
6	38 x 114mm Timber rafter	m	10
7	76 x 50mm Cross bracing	m	162
<b>Carried Forward</b>			R
Section No. 3 Bill No. 6 CARPENTRY AND JOINERY (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
8	76 x 50mm Purlins	m	1 824
9	Top chord bracing including hanger brackets	m	246
10	Bottom chord bracing including hanger brackets	m	246
<b><u>EAVES, VERGES, ETC.</u></b>			
<b><u>Pressed Nutec or equal and approved cement boards</u></b>			
11	10 x 225mm Fascia boards including joiners	m	205
12	10 x 225mm Barge boards including H profile jointing strips	m	92
<b><u>DOORS, ETC.</u></b>			
<b><u>Wrought Meranti or equal and approved doors</u></b>			
13	40mm Framed, ledged and braced battened door size 813 x 2032mm high of 40 x 110mm wide top rail and stiles, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces	No	17
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 6			
CARPENTRY AND JOINERY (PROVISIONAL)			
<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 7</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
	<b><u>NAILED-UP CEILINGS</u></b>			
	The following ceiling systems are to be manufactured, supplied and installed in strict accordance with the manufacturer/suppliers specifications			
	<b><u>9.5mm 'Rhino-board' or equal and approved M-Strip ceiling fixed print side up including brandering with 32mm galvanised clout nails or 32mm grabber screws at 150mm centres with plastic 'M-Strip' cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with the manufacturer's instructions</u></b>			
1	Ceilings including 38 x 38mm sawn softwood brandering at 500mm centres in one direction to trusses	m2	104	
2	Extra over ceiling for 600 x 600mm trap door including rebated framing cross branders covered with ceiling board and fitted flush in opening	No	2	
	<b><u>CORNICES</u></b>			
	<b><u>'Everite Nutec' or equal and approved cornices</u></b>			
3	75mm Coved cornice	m	236	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 7			
	CEILINGS AND PARTITIONS (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b></p> <p><b><u>BILL NO. 8</u></b></p> <p><b><u>FLOOR COVERINGS, WALL LININGS, ETC. (PROVISIONAL)</u></b></p> <p><b><u>POLISH, SEALERS, ETC.</u></b></p> <p><b><u>Polish, sealers, etc.</u></b></p>			
1	Wax polish to floors	m2	322	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 Bill No. 8 FLOOR COVERINGS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 9</u></b>			
	<b><u>IRONMONGERY (PROVISIONAL)</u></b>			
	<b><u>HINGES, BOLTS, ETC.</u></b>			
1	Stainless steel two ball bearing butt hinge, size 100 x 75 x 3mm 095/76 with satin stainless steel finish	Pairs	17.0	
	<b><u>WINDOW MECHANISMS</u></b>			
	<b><u>New Window Mechanisms</u></b>			
2	Howick Metals or equal and approved 132mm brass window handle R/H, including brackets, etc.	No	112	
3	Howick Metals or equal and approved 132mm brass window handle L/H, including brackets, etc.	No	112	
	<b><u>LOCKS</u></b>			
	<b><u>"Union" or equal and approved</u></b>			
4	152 x 41 x 7mm "CZ682-24-52" chromium plated 3 lever lockset	No	17	
	<b><u>SUNDRIES</u></b>			
	<b><u>"Union" or equal and approved</u></b>			
5	38mm Diameter rubber door stop, plugged and screwed to floor with 50mm long brass screw	No	17	
	<b>Carried Forward</b>		R	
	Section No. 3 Bill No. 9 IRONMONGERY (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

	Brought Forward		R
	<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.</u></b>		
	<b><u>Pinning Boards, etc.</u></b>		
6	2400 x 1200mm high green chalkboard to comply with CK-38-1980 complete with chalk rails as one unit	No	8
	<b>Carried Forward to Summary of Section No. 3</b>		R
Section No. 3 Bill No. 9 IRONMONGERY (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 10</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds steel trowelled, on concrete</u></b>			
1	25mm Thick on floors and landings	m2	660	
2	25mm Thick on floors and landings in patches	m2	62	
3	25mm Thick screed skirting	m	61	
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>Cement plaster on blockwork</u></b>			
4	On walls	m2	289	
5	On walls in patches	m2	423	
6	On beamfilling	m2	78	
	<b><u>EXTERNAL PLASTER</u></b>			
	<b><u>Cement plaster on blockwork</u></b>			
7	On walls in patches	m2	198	
8	On beamfilling	m2	78	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 10			
	PLASTERING (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2 (CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 11</u></b>			
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>			
	<b><u>RAINWATER DISPOSAL</u></b>			
	<b><u>'Seamless' aluminium</u></b>			
1	150 x 150mm Box gutters with baked enamel finish fixed with concealed brackets	m	205	
2	100 x 75mm Fluted aluminium downpipes with baked enamel finish	m	15	
3	Extra over eaves gutter for stopped ends	No	12	
4	Extra over eaves gutter for drop box suitable for 150 x 150mm box gutter	No	6	
5	Extra over eaves gutter for bends	No	12	
6	Extra over eaves gutter for shoes	No	6	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 11			
	PLUMBING AND DRAINAGE (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b></p> <p><b><u>BILL NO. 12</u></b></p> <p><b><u>GLAZING (PROVISIONAL)</u></b></p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b><u>6mm Thick safety glass</u></b></p>			
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	14	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 Bill No. 12 GLAZING (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 13</u></b>			
	<b><u>PAINTWORK (PROVISIONAL)</u></b>			
	<b><u>PAINTWORK, ETC. TO PREVIOUSLY PAINTED WORK</u></b>			
	<b><u>"PLASCON" OR EQUAL AND APPROVED</u></b>			
	<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
	<u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats interior quality acrylic emulsion paint</u>			
1	On plastered walls	m2	1 363	
	<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>			
	<u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats exterior quality acrylic emulsion paint</u>			
2	On plastered walls	m2	902	
	<b><u>ON FIBRE-CEMENT BOARD SURFACES</u></b>			
	<u>Prepare and brush surface to remove all loose contaminants, apply one undercoat and two coats superior quality acrylic emulsion paint for exterior use</u>			
3	On fascia and barge boards, including priming metal jointing strips	m2	113	
	<b><u>ON METAL</u></b>			
	<b>Carried Forward</b>			R
	Section No. 3 Bill No. 13 PAINTWORK (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
<b><u>Prepare and brush surface to remove all loose contaminants, apply one coat galvanised iron primer, one universal undercoat and two coats of super enamel paint</u></b>			
4	On steel windows, frames, etc.	m2	479
5	On doors frames	m2	37
6	On steel burglar guards	m2	408
7	On steel purlins, rails, rafters, etc.	m2	23
<b><u>PAINTWORK, ETC. TO NEW WORK</u></b>			
<b><u>"PLASCON" OR EQUAL AND APPROVED</u></b>			
<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
<b><u>Prepare and brush surface to remove all loose contaminants and one coat alkali resistant primer, one undercoat and two coats PVA emulsion paint for interior use</u></b>			
8	On plastered walls	m2	289
9	On plastered walls in patches	m2	423
10	On beamfilling	m2	78
<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>			
<b><u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer, one undercoat and two coats PVA emulsion paint for external use</u></b>			
11	On plastered walls in patches	m2	198
12	On beamfilling	m2	78
<b><u>ON PLASTERBOARD SURFACES</u></b>			
Carried Forward			R
Section No. 3 Bill No. 13 PAINTWORK (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

	<b>Brought Forward</b>			R
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer, one undercoat and two coats PVA emulsion paint for interior use</u>			
13	On ceilings and cornices	m2	122	
	<b><u>ON FIBRE-CEMENT BOARD SURFACES</u></b>			
	<u>Prepare and brush surface to remove all loose contaminants, apply one coat alkali resistant primer, one undercoat and two coats superior quality acrylic emulsion paint for exterior use</u>			
14	On fascias and barge boards, including priming metal jointing strips	m2	69	
	<b><u>ON WOOD</u></b>			
	<u>Prepare and sand down surface to remove all loose contaminants and apply two coats superior quality polyurethane varnish</u>			
15	On doors	m2	68	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 13			
	PAINTWORK (PROVISIONAL)			
	<b>LDM QUANTITY SURVEYORS</b>			

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3 (NON CRITICAL STORM DAMAGE)</u></b>			
	<b><u>BILL NO. 14</u></b>			
	<b><u>EXTERNAL WORKS (PROVISIONAL)</u></b>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	<b><u>APRONS AND V- DRAINS</u></b>			
	<b><u>SITE CLEARANCE, ETC.</u></b>			
	<b><u>Site clearance</u></b>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	277	
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>EXCAVATION OTHER THAN BULK</u></b>			
	<b><u>Excavation in earth not exceeding 2m deep</u></b>			
2	Reduced levels under floors	m3	28	
	<b><u>CARTING AWAY</u></b>			
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material</u></b>			
3	Off site to be located by the Contractor	m3	28	
	<b>Carried Forward</b>		R	
	Section No. 3 Bill No. 14 EXTERNAL WORKS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward				R
<b><u>COMPACTION</u></b>				
<b><u>Compaction of surfaces</u></b>				
4	Compaction of ground surfaces under floors, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod. AASHTO density	m2	277	
<b><u>SOIL POISONING</u></b>				
<b><u>Soil insecticide</u></b>				
5	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	277	
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
<b><u>25MPa/19mm Concrete</u></b>				
6	Surface beds, slabs, etc. to falls and currents	m3	28	
<b><u>Finishing top surfaces of concrete with a wood float finish</u></b>				
7	Concrete channel to falls	m2	277	
<b>Carried Forward</b>				R

Section No. 3  
 Bill No. 14  
 EXTERNAL WORKS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Brought Forward			R
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (PROVISIONAL)</u></b>			
<b><u>Rough Formwork to Sides</u></b>			
8	Apron slabs, paving and ramps not exceeding 300mm high	m	277
<b><u>Expansion joints with 10mm softboard between vertical concrete and brick surfaces</u></b>			
9	10mm Joints not exceeding 300mm high	m	277
<b><u>Joint sealants, etc.</u></b>			
<b><u>"ABE Flexothane" or equal and approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u></b>			
10	In 10mm joints not exceeding 300mm high	m	277
<b><u>REINFORCEMENT (PROVISIONAL)</u></b>			
<b><u>Fabric reinforcement</u></b>			
11	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	277
<b><u>WATER TANK STANDS</u></b>			
Tenderers are to refer to Engineers Standard Specification			
<b><u>EXCAVATION OTHER THAN BULK (PROVISIONAL)</u></b>			
<b><u>Excavation in earth not exceeding 2m deep</u></b>			
12	Bases	m3	18
Carried Forward			R
Section No. 3 Bill No. 14 EXTERNAL WORKS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

	<b>Brought Forward</b>			R
	<b><u>Extra over trench and hole excavation in earth for excavation in</u></b>			
13	Hard rock	m3	6	
	<b><u>CARTING AWAY</u></b>			
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk)</u></b>			
14	Off site to be located by the Contractor	m3	6	
	<b><u>EARTH FILLING, ETC.</u></b>			
	Note: All filling whether obtained from the excavations, from stockpiles or by the Contractor from an outside source must be selected and approved by the Structural / Civil Engineers			
	<b><u>Filling with material from the excavations compacted to a density of at least 93% Mod. AASHTO density</u></b>			
15	Backfilling to trenches, holes, etc.	m3	18	
	<b><u>KEEPING EXCAVATIONS FREE OF WATER</u></b>			
	<b><u>Keeping excavations free of water</u></b>			
16	Allow for keeping excavations free of water other than subterranean water		Item	
	<b><u>COMPACTION</u></b>			
	<b><u>Compaction of surfaces</u></b>			
17	Compaction of ground surfaces under floors, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod. AASHTO density	m2	42	
	<b>Carried Forward</b>			R
	Section No. 3 Bill No. 14 EXTERNAL WORKS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			



Brought Forward			R
<b><u>Finishing top surfaces of concrete with a wood float</u></b>			
24	Surface beds, slabs, etc.	m2	18
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (PROVISIONAL)</u></b>			
<b><u>Rough Formwork to Sides</u></b>			
25	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	60
<b><u>Boxing in smooth formwork to form</u></b>			
26	50mm Horizontal chamfer at corner	m	60
<b><u>REINFORCEMENT (PROVISIONAL)</u></b>			
<b><u>Mild steel reinforcement to structural concrete work</u></b>			
27	10mm Diameter bars	t	0.528
<b><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></b>			
<b><u>Brickwork of NFX (14 MPa nominal compressive strength) clay imperial bricks in cement mortar</u></b>			
28	One brick wall	m2	48
<b><u>BRICKWORK IN SUPERSTRUCTURE</u></b>			
<b><u>Brickwork of NFP Bricks in Class II mortar</u></b>			
29	One brick wall	m2	24
<b><u>BRICKWORK SUNDRIES</u></b>			
Carried Forward			R

Section No. 3  
 Bill No. 14  
 EXTERNAL WORKS (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

Brought Forward		R
<b><u>Bagging of 1:3 cement and sand mixture</u></b>		
30	On outer face of inner skin of brick walls including any additional labour required in raising wall in two separate skins and working around wire ties and / or brick reinforcing fabric	m2 24
<b><u>Brickwork reinforcement</u></b>		
31	150mm Wide reinforcement built in horizontally	m 276
<b><u>FACE BRICKWORK</u></b>		
<b><u>"Corobrik Travertine FBA" or equal and approved face bricks in stretcher bond with ruled joints and perpendis internally and externally</u></b>		
32	Extra over brickwork for face brickwork	m2 24
<b><u>WATER SUPPLIES AND FIRE SERVICES (PROVISIONAL)</u></b>		
<b><u>TAPS, VALVES, ETC.</u></b>		
<b><u>"Cobra Watertech" or equal and approved</u></b>		
33	15mm Rough brass hose bib tap as 'Cobra Watertech' Ref. No. 108-15 or equal and approved including hose union, wall plate elbow, etc. with couplings for copper	No 6
<b><u>TANKS, ETC.</u></b>		
<b><u>Polyethylene drinking water tanks</u></b>		
34	5000 Litre low profile circular tank size 2250mm diameter x 1800mm high, with access lid and inlet hole, embedded in pedestal to a minimum of 400mm above ground level and tied down with 2 No. off 4mm galvanized double strap stay wires tied to galvanized mild steel M12 eye bolt of which is to be drilled and fixed to the 4 corners of concrete supporting base	No 6
<b>Carried Forward</b>		R
Section No. 3 Bill No. 14 EXTERNAL WORKS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>		

Brought Forward		R
<b><u>UNDERPINNING</u></b>		
35	Provide the amount of R40,000.00 (Forty Thousand Rand) for underpinning which shall be authorized by the Principal Agent/Engineer, and all costs will be agreed as per schedule rates, or at rates to be agreed in accordance with the provisions of the Contract	40 000.00
<b><u>LANDSCAPING</u></b>		
36	Provide the amount of R90,000.00 (Ninety Thousand Rand) for landscaping, topsoil, and grassing along exposed foundations which shall be authorized by the Principal Agent/Engineer, and all costs will be agreed as per schedule rates, or at rates to be agreed in accordance with the provisions of the Contract	90 000.00
<b>Carried Forward to Summary of Section No. 3</b>		R
Section No. 3 Bill No. 14 EXTERNAL WORKS (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>		

Item  
No

Quantity                      Rate                      Amount

**SECTION NO. 3 (NON CRITICAL STORM DAMAGE)**

**BILL NO. 15**

**ELECTRICAL INSTALLATION (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

**ELECTRICAL**

1. All equipment, electrical materials or methods of installation shall comply fully with SANS 10142-1 as published December 2001.
2. Proprietary items or materials where specified are to be of the brand specified - or other approved - by DPW.

**ELECTRICAL INSTALLATION**

- a) The overall completed electrical installation shall comply fully with SANS 10142-1 "The Wiring of Premises" and Telkom regulations where applicable. SANS 10142-1 takes preference over any local authority regulations pertaining to electrical installation.
- b) The equipment supplied and installed shall comply fully with the requirements as set out in clause 4 "Compliance" of SANS 10142-1.
- c) All work must be carried out under full time supervision of an Installation Electrician and the statutory Certificate of Compliance, as per clause 8.8 of SANS 10142-1, shall be issued after completion to the Department. Full particulars as requested under clauses 8.8.1 and 8.8.2 must be indicated on the Certificate of Compliance. The special Section 5 - "Responsibility" of clause 8.8.1 must be completed in full and duly signed off by the responsible persons and the information required under 8.8.2.

**Carried Forward**

R

Section No. 3  
 Bill No. 15  
 ELECTRICAL INSTALLATION (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

**Brought Forward**

R

**CONDUITS**

The required solid conduit work shall comply fully with the below quoted standards:

- a) Screwed metallic conduit and accessories: SANS 162.
- b) Plain ended metallic conduit and accessories: SANS 1007.
- c) Non-metallic conduit: SANS 950 Non-metallic conduit shall be installed in accordance with Appendix C of SANS 950 and shall not be installed or used under the following conditions:
  - i) Outside a building (unless protected or sheltered under eaves).
  - ii) For mechanical load bearing.
  - iii) Where they may be subjected to temperatures below -10oC or above 70oC for prolonged periods.
  - iv) As primary electrical insulation.
  - v) In areas where they may be subjected to mechanical damage.
  - vi) For applications other than for which they are designed for.
- d) Only in very special circumstances and with prior approval may shorter lengths of circuit wiring be carried out in the approved unarmored metal sheathed cables or in copper braided cables.

**FIXING OF CONDUITS**

The fixing of conduits shall be as follows:

- a) Build in conduits in wall chases with cement mortar and clamps.
- b) Fix conduits on wall surfaces and in roof spaces with approved saddles.
- c) Cast conduit in concrete surface beds or slabs.
- d) Do surface fixing level, plumb, neatly and in straight line by means of standard spacer saddles.

**CHASING**

All chasing shall be carried out neatly. Do not chase walls constructed of hollow blocks, locate services in the

**Carried Forward**

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Section No. 3  
 Bill No. 15  
 ELECTRICAL INSTALLATION (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

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block cavities. Chase solid walls not deeper than one third of the wall thickness vertically and not more than one sixth horizontally. Avoid horizontal chasing where possible. Ensure that chases, holes and recesses are made so as not to impair the strength or stability of the wall or reduce the fire resistance properties of the wall. Fill chases with mortar once the conduits are in position.

Chasing and making good have not been measured separately and shall be deemed to be included in the descriptions of conduiting.

**COPPER CONDUCTORS**

PVC insulated copper conductors shall conform with SANS 150.

**ELECTRICAL CABLES**

The PVC insulated 600/1000V grade cables shall be manufactured in accordance with SANS 1507 and shall be handled and installed in accordance with SANS 0198 - "The Selection, Handling and Installation of Electric Power Cables of rating not exceeding 33 kV".

**LAYING OF ELECTRIC CABLES**

Excavate 600 mm below finished ground level. Encase the installed cable in river sand or sifted sand. Mark the cable route with approved concrete cable markers.

**ELECTRICAL DISTRIBUTION KIOSKS AND BOARDS**

Under Annexure L of SANS 10142-1 it clearly states that allowance must be made for the supply and installation of approved Surge Protection Devices (SPDs) into low voltage systems.

1. Distribution Kiosks - The kiosks shall have a weatherproof construction complete with lockable doors and shall be of the foundation mounted or root planted types. These units shall be constructed from:

- a) Pre painted mild steel.
- b) 3CR 12 (within 50 km of the coast and in corrosive industrial atmospheres).
- c) Fiberglass (within 50 km of the coast and in

**Carried Forward**

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corrosive industrial atmospheres).

- d) The required surge protection devices that need to be installed in a distribution kiosk shall either be for a Zone LPZ O(A) OR LPZ O(B) with a peak current rating of 100kA.

2. Distribution Boards - The required pre-painted 1.6 mm thick mild steel boards shall either be of the flush, semi flush or surface mounted types complete with lockable doors. Each board shall be fitted with circuit labelling and legend card installed in permanently fixed steel type legend card holders. The general construction shall comply fully with SANS 1180, Part 1 for flush type boards and Part 2 for the surface types. The specified equipment shall comply with the following:

- a) Molded case circuit breaker: SANS 156.
- b) On load isolators: SANS 152.
- c) Earth leakage relays: SANS 767.
- d) Surge Protection Units: SANS 61312-1 IEC 61312-1.
- e) Provision needs to be made for the required Zone LPZ1 equipment with a peak current rating of 40 kA.
- f) Any distribution board said sub-distribution board shall be fitted with the required Zone LPZ2 equipment with a rating of 10Ka.
- g) The internal power wiring shall comply fully with 600/1000V grade PVC insulated stranded annealed copper conductors to SANS 1507.
- h) The final colour of the boards shall be determined by the architect on site at a later stage. The paint finishes shall be of a high-quality paint applied according to the best available method. Baked, enamel, electro-statically applied powder coating or similar proven methods shall be used. Painted metal shall be corrosion resistant for a period of at least 168 hours when tested in accordance with SANS Methods 155.
- i) The connected load to the boards shall be balanced as equally as possible across multi-phase supplies.

**LIGHT SWITCHES**

Flush type - All flush type tumbler 16A, 220/250V light

**Carried Forward**

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Section No. 3  
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 ELECTRICAL INSTALLATION (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

**Brought Forward**

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switches complete with cover plate shall be suitable for mounting inside standard type 100 x 50 mm wall boxes and shall comply fully with SANS 163 and shall further bear the mark The dimmer type units shall comply with SANS 1012.

Surface type - These units shall comply with SANS 163 and shall be provided with specially manufactured surface mounting type box.

Watertight type - Watertight switches shall be of the micro graph type suitable for surface mounting and shall bear the SANS mark. The housing shall be of galvanised cast iron or die cast aluminium with watertight cover plate and toggle. The switches shall have a porcelain base and a quick acting spring mechanism and further be rated at 16A, 220/250V.

Wall sockets - All switched and unswitched socket shall be of the same manufacture and shall conform to SANS 164 and shall bear the SANS mark for normal use under normal environmental conditions.

Switches, when installed, shall be of the tumbler operated micrograph type rated at 16A, 220/250V. Where 13A flat pin switched socket outlets are specified, these shall comply with BS 1363.

**LIGHT FITTING LUMINARIES**

All installed light fitting luminaires and its associated equipment shall comply fully with SANS approved equipment or materials as applicable from the 1st January 1997.

**MOUNTING HEIGHTS OF OUTLETS**

All electrical outlets shall be installed at the below listed heights if not specified in the symbols list on the drawings:

1. Socket outlets: 500mm above finished level
2. External wall light: 2000 mm above finished level
3. Light switches: 1400 mm (to centre of box) above finished floor level
4. Distribution board: 1800 mm to top edge of board

**Carried Forward**

R

Section No. 3  
 Bill No. 15  
 ELECTRICAL INSTALLATION (PROVISIONAL)  
**LDM QUANTITY SURVEYORS**

<b>Brought Forward</b>			R
<b><u>LIGHT FITTING SCHEDULE</u></b>			
Light fittings supplied and installed shall be similar and equal approved to the specified equipment. The light fittings shall further comply in full with the standards and specifications applicable to all materials and components of the specified equipment. Prior approval of alternative type of fittings must first be obtained in writing before submitting a tender offer based on the alternative types.			
<b><u>ELECTRICAL INSTALLATION (PROVISIONAL)</u></b>			
<b><u>GUARANTEE</u></b>			
1 Guarantee the efficient and safe working of the whole installation for 12 months after hand over of the completed building to the Department.	Item		
<b><u>AS BUILT DRAWINGS</u></b>			
2 Provision for the drawings showing all site cable routes, conduit routes, draw boxes and positions of outlets, etc.	Item		
<b><u>CERTIFICATE OF COMPLIANCE</u></b>			
3 Provision for the Certificate of Compliance to be issued on completion of the project in addition to the detailed testing specified for Block A, F, G, H, I	Item		
<b><u>LIGHT SWITCHES/SOCKET OUTLETS/ISOLATORS</u></b>			
4 All light switches, switch socket outlets and cover plates to be engraved with circuit numbers as per the distribution board layout drawings	Item		
<b>Carried Forward</b>			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward		R	
<b><u>EARTHING SYSTEM</u></b>			
5	Earthing of wash hand basin and all cold and hot water piping, by means of standard copper tape earth strapping at regular intervals of 6m and connecting same to the electrical earth system at the distribution board (6 No wash hand basins )	Item	
<b><u>SUNDRIES</u></b>			
<b><u>Bonding</u></b>			
6	Allow for the overall bonding of the completed electrical installation shall be carried out and tested as specified under Clause 6.13 of SANS 0142-1	Item	
<b><u>Testing and commissioning</u></b>			
7	Allow for testing and commissioning the whole of the electrical installation as laid down in the specification and for re-testing as may be required after the making good of all defective work to the entire satisfaction of the Department and the Engineer	Item	
<b><u>TESTING</u></b>			
8	After the installation has been completed the Electrical Contractor shall issue a certificate of compliance	Item	
9	Before issuing a certificate of compliance, an accredited person shall inspect and test each new installation or extension of an existing installations for compliance with the relevant standard	Item	
10	Provide the amount of R15,000.00 (Fifteen Thousand Rand) for inspection and testing existing electrical installation including rectification of defective work and provision of electrical certificate of compliance	Item	15 000.00
<b><u>P&amp; G's</u></b>			
11	Preliminary and General	Item	
<b>Carried Forward</b>		R	
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			



<b>Brought Forward</b>			R
21	Termination for 35 mm <sup>2</sup> 4 core cable above	No	2
22	16mm <sup>2</sup> 2 core PVC/SWA/ECC/PVC cable	m	10
23	Termination for 16 mm <sup>2</sup> 2 core cable above	No	2
24	10mm <sup>2</sup> 2 core PVC/SWA/ECC/PVC cable	m	5
25	Termination for 10 mm <sup>2</sup> 2 core cable above	No	2
26	10mm <sup>2</sup> 2 core Airdec cable	m	5
27	Termination for 10 mm <sup>2</sup> 2 core cable above	No	4
<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
<b><u>EXCAVATION</u></b>			
28	Excavate for and build cable inspection chamber with half brick sides fitted with 600 x 600 x 600 medium duty cover and frame complete with drain holes. Size internally 600 x 600 x 600mm deep	No	1
29	Excavate not exceeding 600mm deep in soft intermediate rock material for cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m3	5
30	Excavate not exceeding 600mm deep in hard rock for and cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m3	5
<b><u>SLEEVES</u></b>			
31	100mm PVC sleeves	m	5
32	100mm long radius bend	No	4
33	50mm PVC sleeves	m	10
34	50mm PVC long radius bend	No	2
<b>Carried Forward</b>			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
35	50mm galvanised sleeves	m	5
36	50mm long radius bend	No	2
<b><u>LIGHTING AND SMALL POWER</u></b>			
<b><u>BLOCK C</u></b>			
<b><u>Thin walled hot dipped galvanised conduits</u></b>			
37	20mm Diameter surface mounted on brickwork	m	85
38	20mm Diameter fixed on timber rafters	m	101
<b><u>Thin walled uPVC conduits</u></b>			
39	20mm Diameter chased in brickwork	m	36
40	20mm Diameter fixed on timber rafters	m	55
<b><u>CONDUIT BOXES AND FITTINGS</u></b>			
41	100 x 100 x 100/50mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No	8
42	65mm Round hot dipped galvanised box for 20mm Diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No	16
43	P9000 Trunking	m	15
<b><u>CONDUCTORS</u></b>			
<b><u>PVC insulated stranded copper conductors drawn into wire ways</u></b>			
44	2.5mm <sup>2</sup>	m	1 100
<b><u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u></b>			
Carried Forward			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

<b>Brought Forward</b>			R
<b><u>Switches etc. complete with cover plates fixed in flush boxes</u></b>			
45	20A surface mounted light switch	No	4
46	20A surface mounted Three-pin switch socket outlet with euro outlet complete with cover plate	No	8
<b><u>LUMINARIES AND EQUIPMENT</u></b>			
<b><u>Luminaries or equipment complete with lamps , connections etc. mounted in position</u></b>			
47	Type A - 2 x 35W T5 Magnet/Lihlelight/Q-Lite open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No	16
48	Type B - Magnet/Lihlelight/Q-Lite or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No	6
49	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
50	Photocells inclusive of enclosure	No	1
<b><u>BLOCK D</u></b>			
<b><u>LUMINARIES AND EQUIPMENT</u></b>			
<b><u>Luminaries or equipment complete with lamps , connections etc. mounted in position</u></b>			
51	Type A - 2 x 35W T5 Magnet/Lihlelight/Q-Lite open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No	16
52	Type B - Magnet/Lihlelight/Q-Lite or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No	6
53	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
<b>Carried Forward</b>			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
54	Photocells inclusive of enclosure	No	1
<b><u>BLOCK F</u></b>			
<b><u>Thin walled hot dipped galvanised conduits</u></b>			
55	20mm Diameter surface mounted on brickwork	m	90
56	20mm Diameter fixed on timber rafters	m	125
<b><u>Thin walled uPVC conduits</u></b>			
57	20mm Diameter chased in brickwork	m	44
58	20mm Diameter fixed on timber rafters	m	36
<b><u>CONDUIT BOXES AND FITTINGS</u></b>			
59	100 x 100 x 100/50mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No	10
60	65mm Round hot dipped galvanised box for 20mm Diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No	25
61	P9000 Trunking	m	25
<b><u>CONDUCTORS</u></b>			
<b><u>PVC insulated stranded copper conductors drawn into wire ways</u></b>			
62	2.5mm <sup>2</sup>	m	1 300
Carried Forward			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
<b><u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u></b>			
<b><u>Switches etc. complete with cover plates fixed in flush boxes</u></b>			
63	20A surface mounted light switch	No	5
64	20A surface mounted Three-pin switch socket outlet with euro outlet complete with cover plate	No	10
<b><u>LUMINARIES AND EQUIPMENT</u></b>			
<b><u>Luminaries or equipment complete with lamps . connections etc. mounted in position</u></b>			
65	Type A - 2 x 35W T5 Magnet/Lihlelight/Q-Lite open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No	22
66	Type B - Magnet/Lihlelight/Q-Lite or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No	8
67	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
68	Photocells inclusive of enclosure	No	1
<b><u>BLOCK G</u></b>			
<b><u>Thin walled hot dipped galvanised conduits</u></b>			
69	20mm Diameter surface mounted on brickwork	m	90
70	20mm Diameter fixed on timber rafters	m	125
<b><u>Thin walled uPVC conduits</u></b>			
71	20mm Diameter chased in brickwork	m	44
72	20mm Diameter fixed on timber rafters	m	36
Carried Forward			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			



Brought Forward			R
81	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
82	Photocells inclusive of enclosure	No	1
<b><u>BLOCK H</u></b>			
<b><u>Thin walled hot dipped galvanised conduits</u></b>			
83	20mm Diameter surface mounted on brickwork	m	85
84	20mm Diameter fixed on timber rafters	m	101
<b><u>Thin walled uPVC conduits</u></b>			
85	20mm Diameter chased in brickwork	m	36
86	20mm Diameter fixed on timber rafters	m	55
<b><u>CONDUIT BOXES AND FITTINGS</u></b>			
87	100 x 100 x 100/50mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No	8
88	65mm Round hot dipped galvanised box for 20mm Diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No	22
89	P9000 Trunking	m	15
<b><u>CONDUCTORS</u></b>			
<b><u>PVC insulated stranded copper conductors drawn into wire ways</u></b>			
90	2.5mm <sup>2</sup>	m	1 100
Carried Forward			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward			R
<b><u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u></b>			
<b><u>Switches etc. complete with cover plates fixed in flush boxes</u></b>			
91	20A surface mounted light switch	No	4
92	20A surface mounted Three-pin switch socket outlet with euro outlet complete with cover plate	No	8
<b><u>LUMINARIES AND EQUIPMENT</u></b>			
<b><u>Luminaries or equipment complete with lamps . connections etc. mounted in position</u></b>			
93	Type A - 2 x 35W T5 Magnet/Lihlelight/Q-Lite open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No	20
94	Type B - Magnet/Lihlelight/Q-Lite or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No	8
95	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
96	Photocells inclusive of enclosure	No	1
<b><u>BLOCK J</u></b>			
<b><u>Thin walled hot dipped galvanised conduits</u></b>			
97	20mm Diameter surface mounted on brickwork	m	90
98	20mm Diameter fixed on timber rafters	m	250
<b><u>Thin walled uPVC conduits</u></b>			
99	20mm Diameter chased in brickwork	m	34
100	20mm Diameter fixed on timber rafters	m	52
Carried Forward			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

Brought Forward		R
<b><u>CONDUIT BOXES AND FITTINGS</u></b>		
101	100 x 100 x 100/50mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No 24
102	65mm Round hot dipped galvanised box for 20mm Diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No 65
103	P9000 Trunking	m 55
<b><u>CONDUCTORS</u></b>		
<b><u>PVC insulated stranded copper conductors drawn into wire ways</u></b>		
104	2.5mm <sup>2</sup>	m 1 850
<b><u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u></b>		
<b><u>Switches etc. complete with cover plates fixed in flush boxes</u></b>		
105	20A surface mounted light switch	No 10
106	20A surface mounted Three-pin switch socket outlet with euro outlet complete with cover plate	No 20
<b><u>LUMINARIES AND EQUIPMENT</u></b>		
<b><u>Luminaries or equipment complete with lamps, connections etc. mounted in position</u></b>		
107	Type A - 2 x 35W T5 Magnet/Lihlelight/Q-Lite open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No 40
108	Type B - Magnet/Lihlelight/Q-Lite or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No 10
<b>Carried Forward</b>		R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>		

Brought Forward			R
109	Type D - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No	1
110	Photocells inclusive of enclosure	No	1
<b><u>LIGHTNING PROTECTION</u></b>			
<b><u>BLOCK C, D, F, G, H AND J</u></b>			
111	Undertake soil resistivity test, witnessed by the Engineer inclusive of submitting a typed test report/certificate		Item
112	10mm <sup>2</sup> aluminium conductor	m	15
113	50mm <sup>2</sup> uPVC insulated aluminium earth wire	m	135
114	Bonding of earth tails to sheet trusses/roof sheeting/tiles	No	32
115	Supply and install 25mm galvanised conduit	m	135
116	Supply and install stainless steel lugs	No	32
117	Supply and install stainless steel bolts and nuts	No	32
118	Supply and install stop cork box	No	32
119	1,8m Earth spike	No	32
<b><u>TESTING AND CERTIFICATE OF COMPLIANCE</u></b>			
120	Allow for testing of the complete installation to be witnessed by the Electrical Engineer, including the issue of SABS Certificate of Compliance of Earthing Systems, Annexures of recorded test results and "As Built" drawings as specified		Item
<b>Carried Forward</b>			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

		Brought Forward	R
<b><u>EXISTING INSTALLATION</u></b>			
<b><u>BLOCK C</u></b>			
<b><u>Disconnect, make wiring safe and remove the following</u></b>			
121	20mm conduit	m	82
122	2,5mm PVC insulated wire	m	125
123	1,5mm PVC insulated wire	m	102
124	1,5mm PVC insulated wire	No	16
125	100 x 100/50 conduit box and cover	No	8
126	Light switch	No	4
127	Switch socket outlets	No	8
128	2 x 58 Watt surface light fitting	No	16
129	Bulkhead light fitting	No	8
<b><u>BLOCK F</u></b>			
<b><u>Disconnect, make wiring safe and remove the following</u></b>			
130	20mm conduit	m	82
131	2,5mm PVC insulated wire	m	125
132	1,5mm PVC insulated wire	m	102
133	1,5mm PVC insulated wire	No	16
134	100 x 100/50 conduit box and cover	No	8
135	Light switch	No	4
		Carried Forward	R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

**STORM DAMAGE DISASTER PROGRAMME : PHASE 16**  
**ETHEKWINI REGION**  
**MANDENI PRIMARY SCHOOL**  
**WIMS NO. 033004**

<b>Brought Forward</b>			R
136	Switch socket outlets	No	8
137	2 x 58 Watt surface light fitting	No	16
138	Bulkhead light fitting	No	8
<b><u>BLOCK G</u></b>			
<b><u>Disconnect, make wiring safe and remove the following</u></b>			
139	20mm conduit	m	82
140	2,5mm PVC insulated wire	m	125
141	1,5mm PVC insulated wire	m	102
142	1,5mm PVC insulated wire	No	16
143	100 x 100/50 conduit box and cover	No	8
144	Light switch	No	4
145	Switch socket outlets	No	8
146	2 x 58 Watt surface light fitting	No	16
147	Bulkhead light fitting	No	8
<b><u>BLOCK H</u></b>			
<b><u>Disconnect, make wiring safe and remove the following</u></b>			
148	20mm conduit	m	82
149	2,5mm PVC insulated wire	m	125
150	1,5mm PVC insulated wire	m	102
151	1,5mm PVC insulated wire	No	16
<b>Carried Forward</b>			R
Section No. 3 Bill No. 15 ELECTRICAL INSTALLATION (PROVISIONAL) <b>LDM QUANTITY SURVEYORS</b>			

**STORM DAMAGE DISASTER PROGRAMME : PHASE 16**  
**ETHEKWINI REGION**  
**MANDENI PRIMARY SCHOOL**  
**WIMS NO. 033004**

<b>Brought Forward</b>				R
152	100 x 100/50 conduit box and cover	No	8	
153	Light switch	No	4	
154	Switch socket outlets	No	8	
155	2 x 58 Watt surface light fitting	No	16	
156	Bulkhead light fitting	No	8	
<b><u>BLOCK J</u></b>				
<b><u>Disconnect, make wiring safe and remove the following</u></b>				
157	20mm conduit	m	321	
158	2,5mm PVC insulated wire	m	458	
159	1,5mm PVC insulated wire	m	475	
160	1,5mm PVC insulated wire	No	64	
161	100 x 100/50 conduit box and cover	No	12	
162	Light switch	No	10	
163	Switch socket outlets	No	10	
164	2 x 58 Watt surface light fitting	No	32	
165	Bulkhead light fitting	No	12	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 15				
ELECTRICAL INSTALLATION (PROVISIONAL)				
<b>LDM QUANTITY SURVEYORS</b>				

Bill No	<u>SECTION SUMMARY - NON CRITICAL STORM DAMAGE</u>	Page No	Amount
1	ALTERATIONS AND DEMOLITIONS (PROVISIONAL)	61	
2	CONCRETE,FORMWORK,REINFORCEMENT(PROVISIONAL)	63	
3	MASONRY (PROVISIONAL)	65	
4	WATERPROOFING (PROVISIONAL)	66	
5	ROOF COVERINGS (PROVISIONAL)	68	
6	CARPENTRY AND JOINERY (PROVISIONAL)	71	
7	CEILINGS AND PARTITIONS (PROVISIONAL)	72	
8	FLOOR COVERINGS (PROVISIONAL)	73	
9	IRONMONGERY (PROVISIONAL)	75	
10	PLASTERING (PROVISIONAL)	76	
11	PLUMBING AND DRAINAGE (PROVISIONAL)	77	
12	GLAZING (PROVISIONAL)	78	
13	PAINTWORK (PROVISIONAL)	81	
14	EXTERNAL WORKS (PROVISIONAL)	89	
15	ELECTRICAL INSTALLATION (PROVISIONAL)	110	
	<b>Carried to Final Summary on page 112</b>		R
	Section No. 3 <b>LDM QUANTITY SURVEYORS</b>		

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	41	
2	CRITICAL STORM DAMAGE	56	
3	NON CRITICAL STORM DAMAGE	111	
	SUB-TOTAL		R
	VAT @ 15%		R
	<b>Carried to Form of Offer (T2.21)</b>		R
	<b>LDM QUANTITY SURVEYORS</b>		



**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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**PART C3. SCOPE OF WORKS**

<b>C3.1 SCOPE OF WORKS</b>			
<b>GCC FOR CONSTRUCTION WORKS (Edition 2 of 2010)</b>			
Scope of Works complied in accordance with SANS 10403 where reference is made to this part of SANS 1921-1:2004			
<b>Project title:</b>	<b>DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT</b>		
<b>Tender no:</b>	<b>ZNTD06321W</b>	<b>Project Code:</b>	<b>033004</b>
<b>1</b>	<p><b><u>SECTION 1</u></b></p> <p><b><u>EXTENT OF THE WORKS</u></b></p> <p><b>1.1 EMPLOYERS OBJECTIVES</b> Repairs and renovations to storm damaged schools.</p> <p><b>1.2 OVERVIEW OF THE WORKS</b> Repairs and renovations to storm damaged schools as defined in the Bills of Quantities. This is a completion contract wherein the bulk of the scope involves removal of existing fibre cement/asbestos roof sheeting and replacement with new IBR roof sheeting including rainwater goods, etc., electrical repairs and other minor repairs to the existing classroom blocks as well as minor external works. The completion of electrical installation, commissioning, plastering and paintwork to 1 no. classroom block.</p> <p><b>1.3 EXTENT OF THE WORKS</b> Refer to Bills of Quantities and attached drawings for detailed scope of work.</p> <p><b>1.4 LOCATION OF THE WORKS</b> KZN Ethekwini Region (29°07'39"S 31°24'20"E)</p> <p><b>1.5 TEMPORARY WORKS</b> All temporary work to comply with the Occupational Health and safety Act (Act 85 of 1993)</p>		
<b>2</b>	<p><b><u>ENGINEERING</u></b></p> <p><b>2.1 EMPLOYER'S DESIGN</b> The Employer design and related documentation and specification is as per the Appointed Consultants.</p> <p><b>2.2 DESIGN BRIEF</b> As per the drawings and specifications provided by the appointed Engineers and Architects.</p> <p><b>2.3 DRAWINGS</b> See list of drawings/Annexures attached to this document.</p>		

2.4	<p><b>DESIGN PROCEDURES</b></p> <p>As per the design, documentation and specification issued by the Appointed Consultants and/or the Employer.</p>
3	<p><b><u>PROCUREMENT</u></b></p>
3.1	<p><b>PREFERENTIAL PROCUREMENT PROCEDURES</b></p> <p>This tender will be subject to the implementation of the Preferential Procurement Regulations, 2022, pertaining to the Preferential Procurement Policy Framework Act, Act Number 5 of 2000 and the relevant Supply Chain Management Legislation and the KwaZulu-Natal Supply Chain Management Policy Framework published by the KwaZulu-Natal Provincial Treasury. Tenderers are referred to <a href="http://www.kzntreasury.gov.za">www.kzntreasury.gov.za</a> for access to the relevant documents.</p> <p>Tenderers are advised to familiarize themselves with the contents of the KwaZulu-Natal Supply Chain Management Policy Framework regarding Preference Point Systems, evaluation of tenders appeals and other matters.</p>
3.2	<p><b>RESOURCE STANDARD PERTAINING TO TARGETED PROCUREMENT</b></p> <p>NOTE : This project will be adjudicated as not exceeding R 50,000 000,00</p>
3.3	<p><b>SCOPE OF MANDATORY SUBCONTRACT WORK</b></p> <p>Not applicable</p>
3.4	<p><b>PREFERRED SUBCONTRACTORS/SUPPLIERS</b></p> <p>As per the conditions stated in form T2.6, in Volume 1 of this document</p>
3.5	<p><b>SUBCONTRACTING PROCEDURES</b></p> <p>Not applicable</p>
4	<p><b><u>CONSTRUCTION</u></b></p>
4.1	<p><b>APPLICABLE SANS 2001 STANDARDS FOR CONSTRUCTION WORKS</b></p> <p>The Contractor is referred to the "ASAQS General Preambles for Trades - 2017", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification for full descriptions of materials and methods referred to in these Bills of Quantities/Lump Sum documents, insofar as they apply. The Contractor is advised to study the "Standard Preambles to all Trades", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification, before pricing Bills of Quantities/Lump Sum documents.</p> <p>Where the description in the Bills of Quantities/Lump Sum documents differ from those in the Standard Electrical Specifications, the descriptions in the Bills of Quantities/Lump Sum documents are to apply. No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications. Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9000 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark.</p> <p>Wherever the words "shall be deemed to be included in the description", "shall be stated" or other words having the same effect, appear in the Standard System, it shall be deemed that all descriptions in these Bills of Quantities/Lump Sum documents incorporated such inclusions and statements whether specifically stated or not.</p> <p>The Contractor is hereby informed that where SABS/SANS Specifications are referred to in these Bills of Quantities/Lump Sums documents and Specifications thereto, then ONLY the Specification of Work Clauses will apply. The method of measurement and payment clauses will NOT apply to this Contract.</p> <p>The Contractor is hereby informed that risk of collapse and keeping excavations free from water (excluding subterranean water) generally are deemed to be included in the descriptions unless accommodated in the system of measurement. Please refer to the Geotechnical Investigation report when included at the end of these tender documents.</p> <p>Whenever reference is made to "Sub-Contractor", "Nominated Sub-Contractor" or the like in the specifications included or referred to in these Bills of Quantities/Lump Sums documents, it shall be deemed to mean "Contractor" as defined.</p>

<b>4.2</b>	<p><b>APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS</b></p> <p>See above 4.1</p>												
<b>4.3</b>	<p><b>PARTICULAR / GENERIC SPECIFICATIONS</b></p> <p>The Contractor is referred to the following documents whether attached to this document or not:</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><b><u>SPECIFICATION</u></b></th> <th style="text-align: left;"><b><u>PAGES</u></b></th> </tr> </thead> <tbody> <tr> <td>Specification for HIV/AIDS Awareness (CIDB)</td> <td>HIV1 TO HIV3</td> </tr> <tr> <td>Project Specific Health and Safety Specification</td> <td>32</td> </tr> <tr> <td>ASAQS General Preambles for Trades - 2017</td> <td>108</td> </tr> <tr> <td>General Electrical Specification</td> <td>21</td> </tr> <tr> <td>Lightning Protection Installation</td> <td>6</td> </tr> </tbody> </table>	<b><u>SPECIFICATION</u></b>	<b><u>PAGES</u></b>	Specification for HIV/AIDS Awareness (CIDB)	HIV1 TO HIV3	Project Specific Health and Safety Specification	32	ASAQS General Preambles for Trades - 2017	108	General Electrical Specification	21	Lightning Protection Installation	6
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Lightning Protection Installation	6												
<b>4.4</b>	<p><b>CERTIFICATION BY RECOGNIZED BODIES</b></p> <p>Only contractors registered with the Electrical Contracting Board of South Africa in accordance with the Regulations of the Occupational Health and Safety Act will be accepted and permitted to do work under this contract. Only contractors registered with the Department of Labour in the safe handling of asbestos products are allowed to remove and dispose of any asbestos type material and issue the associated certificates.</p>												
<b>4.5</b>	<p><b>AGRÉMENT CERTIFICATES</b></p> <p>Not applicable</p>												
<b>4.6</b>	<p><b>PLANT AND MATERIAL PROVIDED BY THE EMPLOYER</b></p> <p>Not applicable</p>												
<b>4.7</b>	<p><b>SERVICES AND FACILITIES PROVIDED BY THE EMPLOYER</b></p> <p>Not applicable</p>												
<b>4.8</b>	<p><b>OTHER SERVICES AND FACILITIES</b></p> <p>The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Administration.</p> <p>The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.</p> <p>The Contractor is advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.</p>												
<b>5</b>	<p><b><u>MANAGEMENT</u></b></p>												
<b>5.1</b>	<p><b>APPLICABLE SANS 1921 STANDARDS</b></p> <p>Tenderers are referred to  <b>SECTION 2 : SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 IN THIS DOCUMENT</b></p>												

<p><b>5.2</b></p>	<p><b>RECORDING OF WEATHER</b></p> <p>The Contractor shall keep record of abnormal climatic conditions to facilitate the adjudication of claims for extension of the contract period.</p>																																																				
	<p>The Contractor shall allow in his programme for the following number of days for rain days (rain &gt; 10mm per day) as per the table below:</p> <table border="1" data-bbox="316 432 1409 801"> <thead> <tr> <th colspan="2">CURRENT YEAR</th> <th>YEAR + 1</th> <th>YEAR + 2</th> </tr> </thead> <tbody> <tr><td>January</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>February</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>March</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>April</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>May</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>June</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>July</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>August</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>September</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>October</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>November</td><td>w/days</td><td>3</td><td>3</td></tr> <tr><td>December</td><td>w/days</td><td>3</td><td>3</td></tr> </tbody> </table>	CURRENT YEAR		YEAR + 1	YEAR + 2	January	w/days	3	3	February	w/days	3	3	March	w/days	3	3	April	w/days	3	3	May	w/days	3	3	June	w/days	3	3	July	w/days	3	3	August	w/days	3	3	September	w/days	3	3	October	w/days	3	3	November	w/days	3	3	December	w/days	3	3
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<p><b>5.3</b></p>	<p><b>MANAGEMENT MEETINGS</b></p> <p>In order to facilitate the smooth functioning of the Works and to ensure the closest co-operation between all the parties concerned, the Employer will call for regular meetings to be held on the site, at which a senior member of the Contracting firm and the General Foreman of the Works will always be required to be present. In addition to the above, other persons will be required to attend these meetings as and when their presence is necessary, e.g., Consultants in all disciplines, representatives of the various Sub-Contractors, etc. Proper minutes of these meetings will be kept by the Employer\Principal Agent and copies will be circulated to all persons attending the meetings and to others who need to be kept informed.</p>																																																				
<p><b>5.4</b></p>	<p><b>FORMS FOR CONTRACT ADMINISTRATION</b></p> <p>The Employer shall provide all necessary forms.</p>																																																				
<p><b>5.5</b></p>	<p><b>ELECTRONIC PAYMENTS</b></p> <p>The Contractor shall provide all required information to the Employer to facilitate electronic payments upon request.</p>																																																				
<p><b>5.6</b></p>	<p><b>DAILY RECORDS</b></p> <p>The Contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site. At the end of each week the Contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all Sub-Contractors on the works each day. At the end of each week the Contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p>																																																				
<p><b>5.7</b></p>	<p><b>BONDS AND GUARANTEES</b></p> <p>The Contractor shall within 10 calendar days after receiving notice from the Engineer and prior to 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.</p>																																																				
<p><b>5.8</b></p>	<p><b>PAYMENT CERTIFICATES</b></p> <p>Requirements will be in accordance with the Employers prescriptions.</p>																																																				

5.9	<p><b>PERMITS</b></p> <p>The Contractor is advised that, in the case of an existing building or institution, all security measures in force will remain in operation and he must acquaint himself and his Employees with them as he and his Employees will at all times be subject to these measures.</p> <p>The Contractor will on no account extend his operations beyond the confines of the building site as indicated by the Employer and must ensure that all his Employees are made aware of these limits. Any Employee disregarding this instruction and found outside the limit of the building site without authority, shall be redeployed immediately and shall not again be employed on this Contract.</p> <p>The Contractor will be responsible for ensuring that this instruction is strictly enforced and must provide and remove upon completion or when directed, such other necessary temporary barriers, fences, etc., as may be required and is to allow opposite this item for any charges he may wish to make in this connection.</p> <p>The Employer will accept no responsibility whatsoever for damage to or the loss of plant, materials, etc., from the site</p>
5.10	<p><b>PROOF OF COMPLIANCE WITH THE LAW</b></p> <p>The following certificates (where applicable) must be provided before first delivery is taken:</p> <ul style="list-style-type: none"> <li>- HIV/STI Report (Bound into this document)</li> <li>- Electrical Compliance Certificate</li> <li>- Plumbing Compliance Certificate</li> <li>- Lightning Certificate</li> <li>- Soil Protection Certificate</li> <li>- Concrete test and cube certificates</li> <li>- Waterproofing Guarantee certificates</li> <li>- TR1 and TR2 prefabricated roof truss certificates</li> <li>- Soil compaction certificates</li> <li>- Electrical and Mechanical test certificates</li> <li>- Plumbing and drainage pressure test certificates</li> <li>- Fire Compliance Certificate</li> <li>- Entomology Certificate</li> <li>- SANS 10400-A:2010 compliance certificates</li> <li>- Latest National Building Regulation</li> <li>- Glazing compliance certificates</li> <li>- Certificate of safe disposal for asbestos.</li> </ul>
5.11	<p><b>INSURANCE PROVIDED BY THE EMPLOYER</b></p> <p>Not Applicable</p> <p><b><u>SECTION 2</u></b></p> <p><b><u>SPECIFICATION DATA ASSOCIATED WITH SANS 1921-2004</u></b></p> <p>Clause Numbers</p> <p><b>4.1.7 The requirements for drawings, information and calculations for which the Contractor is responsible are:</b></p> <p>Prefabricated roof trusses design must be submitted for approval 30 days prior to erections.</p> <p><b>4.2.1 The responsibility strategy assigned to the Contractor for the works is:</b></p> <p>Strategy A</p> <p><b>4.2.2 The structural engineer is:</b></p> <p>Map Africa Consulting Engineers</p> <p><b>4.2.3 Drawings &amp; other info are to be submitted in accordance with the contractors programme</b></p> <p>N/A</p>
4.3	<p><b>The planning, programme and method statement are to comply with the following:</b></p> <p>N/A</p>

<p><b>4.12.1 Samples of materials</b></p>	<p>The work is to be executed with materials of the best specified and in the most substantial and workmanlike manner under the inspection of the Employer and to his satisfaction.          The Contractor shall furnish, without delay, such samples as called for or may be called for by the Employer, who may reject all materials or workmanship not corresponding with the approved sample.          The samples of materials, workmanship and finishes that the Contractor is to provide and deliver to the employer are:          - Roof Sheetting          - Waterproofing          - Flashing          - Paint colour          - Light fitting sample          - Screed panel 2 x 2m impact test          - Tested trial mix to be approved by the Engineer.</p>
<p><b>4.12.2 Fabrication drawings that the contractor is to provide to the employer are:</b></p>	<p>Truss Fabrication Drawings</p>
<p><b>4.12.3 Office accommodation, equipment, accommodation for site meetings and other facilities for use by the employer and his agents are:</b></p>	<p><b>OFFICE FOR FOREMAN</b></p> <p>Provide, erect, maintain and remove at completion a suitable temporary office for the Contractor or his Foreman, perfectly secured, lighted and ventilated and having a desk with drawers.</p> <p><b>TELEPHONE</b></p> <p>The Contractor shall provide a telephone on the site for the use of the Contractor and all Sub-Contractors for the duration of the Contract, and must make the necessary application for connection, give all notices and pay all fees, rentals and charges for the service and also for all calls.</p> <p><b>OFFICE FOR INSPECTOR OF WORKS</b></p> <p>Provide, erect, maintain and remove at completion a well constructed temporary office for the Inspector of Works not less than 4 x 3 m on plan and 3 m high to eaves to the approval of the Employer. The office shall be constructed of wood framing covered externally with corrugated iron or corrugated asbestos and with a lean-to roof covered with the same material as the external wall covering. The office shall be lined internally with soft board or other approved material and a ceiling shall be provided of the same material as the internal lining. A suspended wood floor shall be provided and is to finish not less than 300 mm above the ground level. A lockable door and a window, which provides adequate light and ventilation, shall be fitted.          An office constructed of 115 mm thick brick-work and provided with a screeded concrete floor and roofed and ceiled as above described may be accepted as an alternative but prior permission of the Employer will be necessary before construction of such an office is commenced and his requirements shall be stated and fulfilled by the Contractor.          The office shall be fitted in an approved manner with a sloping topped desk of height and length suitable for the laying out and studying of drawings, a desk or table with not less than two lock-up drawers, shelves, seating and wash-stand, and the Contractor shall provide all necessary attendance. - NOT APPLICABLE</p> <p><b>TELEPHONE IN OFFICE FOR INSPECTOR OF WORKS</b></p> <p>The Contractor shall arrange for the installation of a lockable telephone in the Office for the Inspector of Works for the duration of the Contract. The Contractor will be required to make the necessary application for connection and give all notices on behalf of the Employer. The Employer will, however, be responsible for the direct payment of all fees, rentals and other charges by Telkom for the service for the Inspector of Works and for all calls made from this telephone. - NOT APPLICABLE</p>

	SHED
	Provide, erect, maintain and remove at completion, ample temporary sheds for the proper storage of materials and for the use of the workmen, and remove when no longer required.
<b>4.14.6</b>	<p><b>The requirement for provision and erection of signboards are:</b></p> <p>Supply, erect, maintain and remove at completion a painted notice board, size overall 2800 x 2345 mm high sign written to detail as Drawing No. T9506 which drawing is available from offices of the Department of Public Works. Only the official notice board is to be displayed on the site and no Sub-Contractor's boards will be permitted. The Contractor, at his own cost, may provide a board on which all sub-contract firms' names may be sign written. The notice board is to be to the approval of the Employer and is to be maintained in first class condition and placed where directed at the entrance to the site and remain there for the duration of the Contract.</p>
<b>4.17.1</b>	<p><b>Requirement for the termination, diversion or maintenance of existing services:</b></p> <p>Should the Contractor come in contact with any underground cables or pipes during excavations, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until authority to proceed has been obtained from the Employer. Should the Contractor damage underground cables or pipes resulting in a disruption of services to an existing institution such damage shall be repaired immediately.</p>
<b>4.17.3</b>	<p><b>Services which are known to exist on the site:</b></p> <p>Contractor to expose existing services as per Principal Agent's instruction.</p>
<b>4.17.4</b>	<p><b>Requirement for detection apparatus</b></p> <p>None</p>
<b>4.18</b>	<p><b>ADDITIONAL HEALTH AND SAFETY REQUIREMENTS ARE:</b></p> <p>By the submission of a tender, any Tenderer will, if awarded the contract to which this tender document relates, be deemed to be the mandatory as envisaged by Section 37 (2) of the Act. As a mandatory the successful Tenderer will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the Contractor, for whatever reason be unable to perform as required by the Act, the Contractor undertakes to inform the Employer accordingly.</p> <p>Tenderers are advised that it is a Condition of this Tender that a 'Construction Phase Safety, Health and Environmental Plan' specifically relates to the project for which tenders are being submitted and must be prepared by the Tenderer and submitted with the other tender documents at the time of tender. Failure to do so will invalidate the tender.</p> <p>Tenderers are therefore advised to study the 'Construction Safety, Health and Environmental Specification' which is issued as part of this tender document, the ASAQS General Preambles for Trades - 2017, any project Specification included in this tender document and any and all drawings which are referred to and issued as part of this tender document before preparing their own project specific 'Construction Phase Safety, Health and Environmental Plan'. Tenderers are also advised that such a plan which is submitted with a tender but is incomplete or considered inadequate by the Employer or his Representative will invalidate the tender.</p> <p>The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.</p>
<b>4.22</b>	<p><b>WORK BY NOMINATED AND SELECTED SUBCONTRACTORS COMPRISE:</b></p> <p>As per the Bill of Quantities and Scope of Works.</p>

## C3.2 - SPECIFICATION FOR HIV/AIDS AWARENESS

### 1 Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four strategies:

- a) raising awareness about HIV/AIDS;
- b) providing construction workers with access to condoms;
- c) HIV counselling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

### 2 Normative references:

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

### 3 Definitions and Abbreviations

#### 3.1 Definitions

**Construction Worker:** all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

**Local Community:** the communities local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

**Service provider:** the natural or juristic person recognised by the South African Department of Health as specialist in conducting Aids Awareness Programmes.

#### 3.2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

### 4 Objectives

The objectives are to:

- a) reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) promote early diagnosis; and
- d) assist affected individuals to access care and counselling.

## **5 Requirements**

### **5.1 General requirement**

The contractor shall, in order to satisfy the objectives stated in 4:

- a) make condoms complying with the requirements of SABS ISO 4074 available to all construction workers at readily accessible points on the site, suitably protected from the elements, for the duration of the contract;
- b) either place and maintain HIV/AIDS awareness posters of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) encourage voluntary HIV/STI testing;
- d) provide information concerning counselling, support and care of those that are infected services; and
- e) comply with the requirements of 5.2.

***The provisions of 5.1 c) and d) do not apply to this contract.***

### **5.2 HIV awareness programme**

**5.2.1** The contractor shall:

- a) engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme which is structured to achieve the outcomes stated in 5.2.3 for contract workers as soon as a construction workers camp is established and populated or, where no such camp is established, within two weeks of the commencement of a significant portion of the works and at subsequent intervals, if any, provided for in the scope of works; and
- b) arrange for, provide a suitable venue, and instruct all construction workers to attend the HIV Awareness Programme and notify the Employer's Representative of the date, time and venue whenever a session with construction workers is conducted.

**Note: The National Department of Public Works maintains a list of qualified service providers.**

**5.2.2** The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.

**5.2.3** The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:

- a) communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
- b) recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

**The HIV/ Aids awareness programme described in 5.2 is to be repeated at four month intervals throughout the duration of the contract. (Four times in total, including the initial one at the start of the contract)**

### **5.3 Reporting**

- 5.3.1** The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identity numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see **HIV/STI Compliance Report**).
- 5.3.2** The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

**Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.**

The *HIV /Aids awareness programme described in 5.2 shall in addition be conducted for the benefit of the local community on two occasions in the community centre nearest to the building site. The contractor shall be responsible for inviting identifiable community-based institutions and organisations, churches, and schools to participate in the programme.*

### C3.3 - HIV/STI COMPLIANCE REPORT

Pro-forma reporting format in terms of the SPECIFICATION FOR HIV/AIDS AWARENESS

Project Code:

033004

Payment Claim number:

Period covered by payment claim:

1. Distribution of condoms (briefly describe where and how condoms are distributed).

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2. Posters / pamphlets (briefly describe where posters were placed / how pamphlets were distributed).

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3. Voluntary testing (briefly describe the actions taken / information provided to promote testing).

4. Counselling, support and care (summarise information provided).

5. HIV awareness programme (briefly describe action).

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**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16:  
ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

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## **PART C4. SITE INFORMATION**

<b>C4.1 SITE INFORMATION</b> GCC FOR CONSTRUCTION WORKS (2 Edition of 2010)			
<b>Project title:</b>	DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME: PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT		
<b>Tender No.</b>	ZNTD06321W	<b>Project Code:</b>	033004
<b>C4.1 Site Information</b>			
<b>C4.1</b>	<b>GENERAL</b>		
	<p>(a) The nature of ground is assumed to be loose, sandy material, possibly interspersed with soft and hard rock.</p> <p>(b) The site is an existing, operational facility. Extreme care must be taken to ensure that construction areas are kept secure and not accessible to students/staff.</p> <p>(c) The Tenderer is to note that various blocks that are currently in use, are required to be worked on. Planning and co-ordination therefore will be required by the Contractor to ensure that the school activities are not interrupted, and under no circumstances will the Contractor be allowed to utilize any occupied buildings for any purpose other than the renovation of that building.</p>		
<b>C4.2</b>	<b>GEOTECHNICAL INVESTIGATION REPORT</b>		
	(a) Not applicable		



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## **PART C5 - DRAWINGS / ANNEXURES**

## C5.1 - LIST OF DRAWINGS/ANNEXURES

**DPW: DEPARTMENT OF EDUCATION: STORM DAMAGE DISASTER PROGRAMME:  
 PHASE 16: ETHEKWINI REGION: MANDENI PS COMPLETION CONTRACT**

<b>Tender No.:</b>	ZNTD06321W	<b>Project Code:</b>	033004
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**(Where drawings/annexure's are issued, document compilers must insert the following paragraph and list the applicable drawings/annexure's below.)**

The following drawings/annexure's shall be issued during the Tender period to form part of the tender documentation. Where applicable, drawings/annexure's could be re-issued to the Contractor at commencement of the construction phase.

<u>DRAWING NO</u>	<u>DESCRIPTION</u>
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N/A	Site Layout

### ANNEXURES

Annexure 1	ASAQS General Preambles for Trades - 2017
Annexure 2	General Electrical Specifications
Annexure 3	Lightning Protection Specifications
Annexure 4	Map of Tender Submission Location
Annexure 5	Joint Venture Agreement
Annexure 6	Project Specific Health and Safety Specification
Annexure 7	Health and Safety Bill of Quantities
Annexure 8	Builders Lien Agreement
Annexure 9	EPWP Employment Contract and EPWP Specification/Checklist
Annexure 10	Attendance Register - Infrastructure and Other projects
Annexure 11	EPWP Data Collection tool for Phase 3 System
Annexure 12	Structural Engineers Project Specification Booklet



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## **DRAWINGS**

**SITE LAYOUT AND MAP**

<b>SCHOOL:</b>	Mandeni Primary School
<b>REGION / CLUSTER:</b>	eThekwinini Region (Ilembe - Sundumbili)
<b>DATE:</b>	08/11/2017
<b>ASSESSOR NAME:</b>	T. Naidoo/K. Govindsamy/P. Ndlela
<b>CO-ORDINATES:</b>	29°07'42''S, 31°24'19''E (S29.12833333, E31.40527778)
<b>SCOPE:</b>	Disaster Storm Damage Programme



Type of Building (Admin, Classroom, etc)	Google Earth Dimensions (L x B x H)	Actual Dimensions (m) (L x B x H)	Structure Type - (Facebrick / Prefab, etc)	Comments
Block A	12 x 9	11 X 8	Blockwork Structure	
Block B	16 x 9	16 X 10	Blockwork Structure	
Block C	16 X 9	16 X 10	Blockwork Structure	
Block D	17 X 11	16 X 10	Blockwork Structure	
Block E	5 X 2		Container	
Block F	22 X 9	22 x 11	Precast/Panel Structure	
Block G	25 x 10	25 X 10	Blockwork Structure	
Block H	16 x 10	16 X 10	Facebrick Structure	
Block J	46 X 10	46 X 10	Blockwork Structure	
Block L	5 x 5	6.2 X 5.4	Facebrick Structure	
Block K	8 x 6	7.7 X 4.9	Facebrick Structure	
Block M	8 x 6	6.4 X 5.4	Facebrick Structure	
Block N	8 x 7	7.6 X 3.9	Facebrick Structure	
Block O	6 x 5	6 X 5	Facebrick Structure	



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## **ANNEXURES**