



# INDEPENDENT DEVELOPMENT TRUST

**TENDERING PROCEDURES, RETURNABLE DOCUMENTS, AGREEMENT AND CONTRACT DATA, SCOPE OF WORK AND SITE INFORMATION**

**APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.**

**BID NO: DOE13NWER008**

**CLOSING DATE AND TIME: 30 AUGUST 2023 at 12h00**

**Independent Development Trust**

4071 Jules Street  
Industrial Sites  
**MAHIKENG**  
2745

Telephone: (018) 389 3000  
**SCM / Technical Enquiries**

E-mail: [noxolom@idt.org.za](mailto:noxolom@idt.org.za) and  
[andrewn@idt.org.za](mailto:andrewn@idt.org.za)

**MK & Associates Development  
Consultants Pty (Ltd)**

7 Gembok Street  
Golfview  
**MAHIKENG**  
2745

Tel: 018 011 0024  
**Technical Enquiries**

Email: [admin@mkdc.co.za](mailto:admin@mkdc.co.za)

**Bidder:** .....

**CIDB Registration Number:** .....7GB (General Building Works)

**CSD Registration Number:** .....

**COIDA / FEMA Certificate Number:** .....

**Contact Person:** .....

**Contact Details:** .....

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## **T1.1 BID NOTICE AND INVITATION TO BID**



# INDEPENDENT DEVELOPMENT TRUST

## T1.1 Bid Notice and Invitation to Bid

On behalf of the Department of Education, North West Province, the Independent Development Trust, invites bidders for the **APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.**

Only tenders who have a CIDB contractor grading of **7GB (General Building) or higher; and comply with the tender conditions will be eligible.**

The evaluation of the tender will be carried out in three (3) phases.

### Phase 1: Mandatory Requirements

Only bidders, who meet the following requirements will be eligible for further evaluation.

- Letter of Authority for signatory and / or Board / company resolution (for companies that has more than one Directors)
- The bidder must provide proof of valid CIDB registration or CIDB number– **Grade 7GB or higher** (JV's to submit consolidated CIDB Grading, which equates to the required grading)
- The bidder must provide a valid COIDA or FEMA certificate. (If JV, all partners must submit COIDA or FEM Certificates) Sole Proprietor's without employees are expected to submit from the Department of Labor a Tender Letter for a Sole Proprietor).
- Attendance to the compulsory site briefing meeting - Briefing session attendance register must be signed at Briefing Meeting
- The bidder must duly complete and sign **in full**:
  - SBD 1: Invitation to bid,
  - SBD 4: Bidder's disclosure and
  - SBD 6.1 Preference points claim form in terms of PPPFA, Procurement Regulations 2022
- The bidder must complete Form of Offer, fully signed and witnessed in the tender document **in full**
- Joint Venture (JV) agreement, **if applicable**, JV agreement must be signed by all parties of the JV
- Acknowledgement of Addenda to Tender Documents (if applicable)
- The bidder must be registered on Central Supplier Database (CSD) and provide MAAA Number to verify registration)

#### Note:

- (ii) Failure to submit any of the above documents / requirements shall result in disqualification of the bid.
- (iii) If any of the Directors are in the Employment of the State shall result in disqualification of the bid.
- (iv) If the bidder is listed on National Treasury List of Restricted Suppliers shall result in disqualification of the bid.
- (v) If any of its Directors Are Listed on the Register of Defaulters shall result in disqualification of the bid.

**The IDT will assess all bids received based on its procurement policy in the event that information is required from the bidder/s, the IDT reserves its rights to request the information which shall be submitted within seven (7) working days from request and failure to submit will result in disqualification.**

#### Non-Compulsory Document, but mandatory to comply at the award stage

- Tax Compliance Letter with a unique pin
- Compliant Central Supplier Database (CSD) Report

Only bidders who met all mandatory requirements will be evaluated further on functionality.

**Phase 2: Functionality criteria**

Criteria	Points Allocation
Relevant Previous Experience on completed projects of a similar nature and value in the last ten (10) years (Refer to Form T2.2.2)	35 points
Signed and stamped client references on the same projects listed above (both Client & Client Representative). OR Signed and Contactable reference letters from previous clients.	10 points
Qualifications, Skills and Experience of project key resources	35 points
Financial Viability	20 points
<b>Total</b>	<b>100 points</b>
NB: Minimum qualifying functionality threshold is <b>70 points out 100</b>	

**Similar Nature of work for evaluation** Construction of Buildings (No points will be allocated for other nature and value of works like Civil Engineering projects, Water projects, Transport Projects, Traffic Engineering Projects, and all Electrical & Mechanical Engineering projects)

**Supporting Documents Required**

- CIPC Document
- Original certified ID Copies of directors (not older than 6 Months)
- Particulars of Tender's Projects (Appointment letters and completion certificates)
- Schedule of Tenderer's References
- CV of Key Personnel including the OHS
- Original certified copies of Certificates/qualifications (not older than 6 Months)
- Original certified copies of all Professional Registrations of Staff.
- Signed and stamped banking/financial documentation

Only bidders who are competent and who have achieved the minimum functionality threshold of 70 points or higher will be evaluated on 80/20 (Price / Specific Goals) points based on the Preferential Procurement Regulations of 2022.

**Phase 3: Preferential Point System**

In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of —

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Women Ownership	3	6		
Youth Ownership	3	6		
People with Disabilities Ownership	2	4		
Black Male Ownership	2	4		

**Source Documents to be submitted with the Bid or BID**

- \*CIPC Document (Company Registration Document will be required for verification (CIPC DOC))
- \*Woman (Originally Certified ID Document)
- \*Youth (Originally Certified ID Document)
- \*People with Disability (Letter from the Dr. Confirming the Disability)
- \*Black Ownership (Originally Certified ID Document)

**A compulsory clarification meeting** with representatives of the employer will take place on site at DIRANG KANATLA SECONDARY SCHOOL IN KHUMA TOWNSHIP NEAR STILLFONTEIN, IN DR KENNETH KAUNDA DISTRICT OF THE NORTH WEST PROVINCE. The GPS coordinates are **S26°51'13,02" E26°49'36,86"**. on **Monday, 07<sup>th</sup> August 2023 starting at 10h00am**. Tenderers must sign the attendance register in the name of the tendering entity.

Documents will be available from the **Friday, 28 July 2023**.

The closing date and time for receipt of tenders is **Tuesday, 30<sup>th</sup> August 2023 at 12h00pm**.

Note: Bidders are requested and encouraged to arrive early before the commencement of the briefing session. No late arrivals will be allowed in the briefing meeting.

The IDT may conduct a risk assessment on recommended bidder/s. Bidders are requested to price each line item of the Bills of Quantities (BOQ) in black ink. Should the bidder/s be deemed too risky to complete the project based on the IDT's risk assessment report, they will be subjected for further clarification.

Tender Documents may be downloaded from the IDT's website following the link <http://www.idt.org.za/business-opportunities/current-tenders> as well as on the e-tenders portal, [www.etenders.gov.za](http://www.etenders.gov.za) Tenders must only be submitted on the tender documentation that is downloaded from the stipulated websites. The retyping of the tender document is not permitted.

BID enquiries relating to the issues of these documents may be addressed to:

**Bid Administration Enquiries**

E-mail: [NoxoloD@idt.org.za](mailto:NoxoloD@idt.org.za)

**Technical Enquiries**

E-mail: [AndrewN@idt.org.za](mailto:AndrewN@idt.org.za)

Agent or IDT's employee to influence outcome of this tender will lead to disqualification.

The bid closing date is **Tuesday, 30th August 2023 at 12h00pm** and bids shall be submitted in the tender box at IDT's North West Regional Office;

**INDEPENDENT DEVELOPMENT TRUST (NORTH WEST OFFICES)**

4071 Joules Street  
Industrial Site  
MAHIKENG  
2745

**On submission of Tender documents, the bidder must submit a signed original bid document in hard copy.**

Requirements for sealing, addressing, delivery, opening and assessment of bids are stated in the Tender Data. (Refer to Section T1.2)

Telegraphic, telephonic, telex, facsimile, e-mail and late bids **WILL NOT** be accepted.

The Independent Development Trust does not bind itself to accept the lowest or any particular bid.

## T1.2 BID DATA

## INDEPENDENT DEVELOPMENT TRUST

### APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.

#### T1.2 Bid Data

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

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

**The additional conditions of bid are:**

Clause number	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008
F.1.1	The employer is the <b>Independent Development Trust on behalf of the Department: Education, North West Province</b>
F.1.2	<p>The bid documents issued by the employer comprises:</p> <p><b>THE BID</b></p> <p><b>Part T1: Bidding procedures</b>  T1.1 Bid notice and invitation to bid  T1.2 Bid data</p> <p><b>Part T2: Returnable documents</b>  T2.1 List of returnable documents  T2.2 Returnable schedules</p> <p><b>THE CONTRACT</b></p> <p><b>Part C1: Agreements and contract data</b>  C1.1 Form of offer and acceptance  C1.2 Contract data  C1.4 Form of Guarantee  C1.5 Adjudicator's agreement  C1.6 Agreement in terms of Occupational Health and Safety  C1.7 Waiver of Lien</p> <p><b>Part C2: Pricing data</b>  C2.1 Pricing instructions  C2.2 Bills of quantities</p> <p><b>Part C3: Scope of work</b>  C3 Scope of work</p>

<p><b>Clause number</b></p>	<p><b>BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008</b></p>
	<p><b>Part C3: Scope of work</b></p> <p>Construction of 06 (six) new classrooms, new administration block and refurbishment of computer room &amp; library</p> <p>C4 Site Information</p> <p><b>Annexures</b> <b>Drawings</b></p> <p><b>Annexure A: Architectural Drawings</b> <b>Annexure B: Electrical Engineering Drawings</b> <b>Annexure C: Mechanical Engineering Drawings</b> <b>Annexure D: Civil and Structural Drawings</b></p>
<p>F.1.4</p>	<p>The employer's agent is:</p> <p><b>MK AND ASSOCIATES DEVELOPMENT CONSULTANTS (Pty) LTD</b></p> <p><b>Mr. T. Oageng</b> 7 Gemsbok Street Golfview MAHIKENG 2745</p> <p>Tel: 018 011 0024 E- mail: <a href="mailto:admin@mkdc.co.za">admin@mkdc.co.za</a></p>
<p>F.2.1</p> <p>F.2.1.1</p> <p>F.2.1.1.1</p>	<p><b>Eligibility</b></p> <p>Submit a tender offer only if the Tenderer satisfies the criteria stated hereunder and if the Tenderer, or any of his principals, is not under any restriction to do business with the employer (IDT) or the North West Department of Education</p> <p>Only those bidders who satisfy the following eligibility criteria are eligible to submit tenders:</p> <p><b>Phase 1: Mandatory Requirements</b></p> <p>Only bidders, who meet the following requirements will be eligible for further evaluation.</p> <ul style="list-style-type: none"> <li>• Letter of Authority for signatory and / or Board / company resolution (for companies that has more than one Directors)</li> <li>• The bidder must provide proof of valid CIDB registration or CIDB number– <b>Grade 7GB or higher</b> (JV's to submit consolidated CIDB Grading, which equates to the required grading)</li> <li>• The bidder must provide a valid COIDA or FEMA certificate. (If JV, all partners must submit COIDA or FEM Certificates) Sole Proprietor's without employees are expected to submit from the Department of Labor a Tender Letter for a Sole Proprietor).</li> <li>• Attendance to the compulsory site briefing meeting - Briefing session attendance register must be signed at Briefing Meeting</li> <li>• The bidder must duly complete and <b>sign in full</b>: <ul style="list-style-type: none"> <li>○ SBD 1: Invitation to bid,</li> <li>○ SBD 4: Bidder's disclosure and</li> <li>○ SBD 6.1 Preference points claim form in terms of PPPFA, Procurement Regulations 2022</li> </ul> </li> <li>• The bidder must complete Form of Offer, fully signed and witnessed in the tender document in full</li> </ul>

Clause number	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008
F.2.1.1.2	<ul style="list-style-type: none"> <li>• Joint Venture (JV) agreement, if applicable, JV agreement must be signed by all parties of the JV</li> <li>• Acknowledgement of Addenda to Tender Documents (if applicable)</li> <li>• The bidder must be registered on Central Supplier Database (CSD) and provide MAAA Number to verify registration)</li> </ul> <p><b>Note:</b> (i) Failure to submit any of the above documents / requirements shall result in disqualification of the bid.  (ii) If any of the Directors are in the Employment of the State shall result in disqualification of the bid.  (iii) If the bidder is listed on National Treasury List of Restricted Suppliers shall result in disqualification of the bid.  (iv) If any of its Directors are Listed on the Register of Defaulters shall result in disqualification of the bid.</p> <p>CIDB Grading</p> <p>In order to be considered for an appointment in terms of this bid, the bidder must be registered with the CIDB, in a contractor grading designation in accordance with the sum tendered for a <b>Grade 7GB and higher</b> class of construction work.</p> <p>Joint ventures are eligible and preferred with particular reference to local participation and as such submit tenders provided that:</p> <ol style="list-style-type: none"> <li>1. every member of the joint venture is registered with the CIDB;</li> <li>2. the lead partner has a contractor grading designation in the <b>Grade 7GB and higher</b> of construction work; and</li> <li>3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to <b>7GB and higher</b> contractor grading designation determined in accordance with the sum tendered for a <b>(GB) General Building</b> class of construction work</li> </ol> <p>Key Personnel</p> <p>In order to be considered for an appointment in terms of this bid, the bidder must have the following key personnel in its permanent employment at the close of the bid. Alternatively, a signed undertaking from an organisation having the required personnel, stating that they will undertake the necessary work on behalf of the bidder in terms of a sub-consultant agreement, will be acceptable. Such undertaking must be attached to the “Key Personnel” schedule, Part T2.2: Returnable Schedules.</p> <p>Individuals must be identified for each of the key personnel listed on the “Key Personnel” schedule, Part T2.2: Returnable Schedules.</p> <p>Where the key personnel are no longer accessible to undertake the necessary work after the award of the tender, the contractor shall within a period of 5 working days replace the key personnel listed on the “Key Personnel” schedule, Part T2.2: Returnable Schedules with a person with equivalent competencies and subject to approval by the employer.</p>
F.2.6	<p><b>Acknowledge addenda</b></p> <p>Acknowledge receipt of addenda to the bid documents, which the employer may issue, and if necessary apply for an extension to the closing time. If the Addenda has financial implications, failure to acknowledge the addenda may eliminate your bid from evaluation. This is due to incomparability of offers with the rest of the bidders</p>

<b>Clause number</b>	<b>BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008</b>
F.2.7	<p><b>Clarification Meeting</b></p> <p>A compulsory clarification meeting with representatives of the employer will take place on site at DIRANG KANATLA SECONDARY SCHOOL IN KHUMA TOWNSHIP NEAR STILLFONTEIN, IN DR KENNETH KAUNDA DISTRICT OF THE NORTH WEST PROVINCE. The GPS coordinates are <b>S26°51'13,02" E26°49'36,86"</b> on <b>Monday, 07 August 2023 starting at 10h00am</b>. Tenderers must sign the attendance register in the name of the tendering entity.</p> <p>Addenda if any will be issued to bidders appearing on the attendance register.</p> <p><b>Note:</b> Bidders are advised to allow enough travelling time to the briefing meeting.</p>
F.2.8	<p><b>Seek clarification</b></p> <p>Bidders can request clarification of the bid documents, if necessary, by notifying the employer in writing to <a href="mailto:andrewn@idt.org.za">andrewn@idt.org.za</a> during office hours (08h30 – 17h00) weekdays at least 5 (five) working days before the closing time and date stated in F.2.15.</p>
F2.9	<p><b>Insurances</b></p> <p>Refer to contract data for insurance requirements. (Refer to Section C1.2)</p>
F.2.11	<p><b>Alterations to documents</b></p> <p>Do not make any alterations or additions to the bid documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the bidder.</p> <p>All signatories to the bid offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.</p>
F.2.12	<p><b>Alternative Bid Offers</b></p> <p>No alternative tender offers will be considered.</p>
F.2.13	<p><b>Submitting a Bid Offer</b></p>
F.2.13.4	<p>The bidder will sign the original of the bid offer.</p>
F2.13.5	<p>The bidder must submit tender offer in a sealed envelope. (Clearly marked</p> <p><b>BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008</b></p>
F.2.13.6	<p>On submission of Tender documents, the bidder must submit a signed original bid document in hard copy and one softcopy of the bid document using USB-memory stick / Disc (read only).</p> <p>The bid document softcopy on the USB-memory stick should be indexed the same way as the original bid hard copy document, which can be returned back to the bidder after the evaluation process is completed.</p> <p>Two-envelope system – not applicable</p>
F.2.13.7	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Employer's address:  <b>North West Regional Office</b>  <b>4071 Joules Street</b>  <b>Industrial Site</b>  <b>Mahikeng</b>  <b>2735</b></p>

<b>Clause number</b>	<b>BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008</b>
F.2.13.9	<p>Identification details:  <b>Tender No:</b> DOE13NWER008</p> <p><b>Description</b> BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.</p> <p>Tender offers submitted by facsimile, e-mail or reproduced will be rejected by the employer. Tender documents must be submitted in an original format as issued by the employer.</p>
F.2.15 F.2.15.1	<p><b>Closing Time of Tender</b></p> <p>The closing time for submission of tender offers is by no later than <b>30th August 2023 at 12h00</b>.</p> <p><b>Location of tender box:</b>  <b>North West Regional Office</b>  <b>4071 Joules Street</b>  <b>Industrial Site</b>  <b>Mahikeng</b>  <b>2735</b></p> <p>Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.</p>
F.2.16 F.2.16.1	<p><b>Tender Offer Validity</b></p> <p>The bidder is required to hold the bid offer valid for a period of <b>90 calendar days</b> (from the bid closing date)</p>
F.2.19	<p><b>Inspections, Tests and Analysis</b></p> <p>Access shall be provided for inspections, tests and analysis as may be required by the employer.</p>
F.2.23	<p><b>Certificates</b></p> <p>The bidder is required to submit with his tender a Contractor Registration number issued by the Construction Industry Development Board (CIDB).</p> <p>Where a bidder bids through joint venture formation, such bidder should include a joint venture agreement duly signed by each partner of such joint venture and an original consolidated B-BBEE certificate.</p>
F3.5	Two-envelope system – <b>not applicable</b>
F.3.1	<p><b>Evaluation of Tender Offers</b></p> <p>The procedure for the evaluation of a responsive tender will be in terms of the Preferential Procurement Regulations 2022 on 80/20 or 90/10 preference point system.</p>

Clause number	<b>BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM &amp; LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008</b>															
F.3.11.3	<p>In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:</p> <p>In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—</p> <p>(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or</p> <p>(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.</p>															
F.3.11.8	<p><b>Scoring Preference</b></p> <p><b>Table 1: Specific goals for the tender and points claimed are indicated per the table below.</b></p> <p><i>(Note to organs of state: Where either the 80/20 preference point system is applicable, corresponding points must also be indicated as such.</i></p> <p><i>Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)</i></p> <table border="1"> <thead> <tr> <th>The specific goals allocated points in terms of this tender</th> <th>Number of points allocated (80/20 system) (To be completed by the organ of state)</th> <th>Number of points claimed (80/20 system) (To be completed by the tenderer)</th> </tr> </thead> <tbody> <tr> <td>Women Ownership</td> <td>6</td> <td></td> </tr> <tr> <td>Youth Ownership</td> <td>6</td> <td></td> </tr> <tr> <td>People with Disabilities Ownership</td> <td>4</td> <td></td> </tr> <tr> <td>Black Male Ownership</td> <td>4</td> <td></td> </tr> </tbody> </table> <p><b>Source Documents to be submitted with the Bid or RFQ</b></p> <p>*CIPC Document (Company Registration Document will be required for verification (CIPC DOC))</p> <p>*Woman (Originally Certified ID Document)</p> <p>*Youth (Originally Certified ID Document)</p> <p>*People with Disability (Letter from the Dr. Confirming the Disability)</p> <p>*Black *Ownership (Originally Certified ID Document)</p>	The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Women Ownership	6		Youth Ownership	6		People with Disabilities Ownership	4		Black Male Ownership	4	
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F.3.11.9 The quality criteria and maximum score in respect of each of the criteria are as follows:

Criteria	Points Allocation
<b>A.</b> Relevant Previous Experience on completed projects of a similar nature and value in the last ten (10) years	35 points
<b>B.</b> Signed and stamped client references on the same projects listed above (both Client & Client Representative).OR Signed and Contactable reference letters from previous clients.	10 points
<b>C.</b> Qualifications, Skills and Experience of project key resources	35 points
<b>D.</b> Financial Viability	20 points
<b>Total</b>	<b>100 points</b>

NB: Minimum qualifying functionality threshold is **70 points out 100**

**A. RELEVANT PREVIOUS EXPERIENCE ON COMPLETED PROJECTS OF A SIMILAR NATURE AND VALUE IN THE LAST TEN (10) YEARS (35 POINTS):**

Points allocated for proven track record based on previous projects executed to completion by the bidder in consideration of similar kind and complexity. The similarity refers to the construction of building projects in the past 10 years. Buildings (No points will be allocated for other nature and value of works like Civil Engineering projects, Water projects, Transport Projects, Traffic Engineering Projects and all Electrical & Mechanical Engineering projects)

The scoring on this item will be carried out as follows:

- i. The bidder shall submit signed appointment letter(s) in the relevant official Client letterhead clearly showing the project value / amount
- ii. The bidder shall submit signed proof of project completion (JBCC or other Completion Certificate or letter from the client (client letter head) confirming completion of such a project).
- iii. For subcontracted work submit the appointment letter and completion certificate as stated in (i) & (ii) together with the appointment letter and completion certificate for the main contractor

NOTE: Failure to submit any of the above requirements will result in no points being awarded to the bidder. Evaluation points will be awarded in terms of the following table below:

	Similar completed projects (as per CIDB level 7GB Or higher– Tender Value Limit between R 20 000 001 and above	Similar completed projects (as per CIDB level 6 GB – Tender Value Limit between R 10 000 001 to R 20 000 000)	Similar Completed projects (as per CIDB level 5 GB – Tender Value Limit between R6 000 001 to R10 000 000)	Non-Submission, Irrelevant Evidence, Incomplete Evidence
Project A	7	5	3	0
Project B	7	5	3	0
Project C	7	5	3	0
Project D	7	5	3	0
Project E	7	5	3	0
<b>Points</b>	<b>35</b>	<b>25</b>	<b>15</b>	<b>0</b>

The scoring on this item will be carried out as follows:

- i. The bidder shall submit signed appointment letter(s) in the relevant official Client letterhead clearly showing the project value / amount
- ii. The bidder shall submit signed proof of project completion.

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**NOTE:** Failure to submit any of the above requirements will result in no points being awarded to the bidder.

**B. SIGNED AND STAMPED CLIENT REFERENCES ON THE SAME PROJECTS LISTED ABOVE (10 POINTS):**

Points allocated for client reference (As per returnable schedule T 2.2.4) based on previous completed projects as above executed by the bidder in consideration:

Points will be allocated based on:

- i. Receipt of signed and stamped client references in the forms supplied in this document
- ii. Favorable stamped client reference letter

**NOTE:** Failure to submit any of the above requirements will result in no points being awarded to the bidder.

Evaluation points will be awarded in terms of the following table:

Projects	Not Acceptable	Favorable (Good) client reference
Project A	0	2
Project B	0	2
Project C	0	2
Project D	0	2
Project E	0	2
<b>Points</b>	<b>0</b>	<b>10</b>

**C. QUALIFICATIONS, SKILLS AND EXPERIENCE OF PROJECT KEY RESOURCES (35 POINTS):**

**Points allocated for required**

- a. competencies,
- b. qualifications (i.e. degree or diploma)
- c. submission of CV's
- d. submission of relevant certified (not older than 6 months) evidence of qualifications and certificates of allocated Required Key Project Resources.
- e. Professional registration related to building works

**NOTE:** Points allocation with submission of all required documentation and will be rounded off to the nearest lowest number

Evaluation points will be awarded in terms of the following **table A (28 points):**

Category	Professional Registration (5 points) (Related to Building works, SACPCMP, SACQSP, SACAP) excl. ECSA	Qualification within the Built Environment (7 points)			Years of experience within the Built Environment (16 points)			
		Degree or higher	Diploma	National Certificate or similar	10 or above years	5 - 9 years	1 - 4 years	< 1 year
Project / Contract Manager	5	5	4	3	7	5	3	1
Site Agent	Not required	1	1	1	5	4	3	1
Foreman	Not required	1	1	1	4	4	3	1
<b>Total Points</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>16</b>	<b>13</b>	<b>9</b>	<b>3</b>

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	<p>Evaluation points will be awarded in terms of the following table B (7 points):</p> <table border="1"> <thead> <tr> <th style="text-align: center;">Category</th> <th style="text-align: center;">Description</th> <th style="text-align: center;">Points</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Health and Safety Resource</td> <td>Professional Registration with SACPCMP (Mandatory)</td> <td style="text-align: center;">7</td> </tr> <tr> <td>No submission</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> <p>Where the Health and Safety officer allocated to this project is no longer accessible to undertake the necessary work after the award of the tender, the contractor shall within a period of 5 working days replace the Construction Health and Safety Officer with a person with equivalent competencies subject to approval by the employer.</p> <p><b>D. FINANCIAL VIABILITY (20 POINTS):</b></p> <p>Points are allocated to contractors who provide at least one of the following verifiable documents:</p> <table border="1"> <thead> <tr> <th style="text-align: center;">Description</th> <th style="text-align: center;">Points</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <li>• Signed and stamped bank rating Code <b>"A"</b> of <b>R1 Million (whichever greater will be considered) over the period of 8 Months</b> with the bank stamp not older than 12 months; or</li> <li>• Recent audited annual financial statements Not older than <b>12 months with Cash &amp; Cash Equivalent of R1 Million</b> and above signed by auditors and company representative; or</li> <li>• Signed and stamped Credit facility of <b>1 Million</b> from an accredited financial institution not older than 12 months or</li> <li>• Signed and stamped Bank Overdraft of <b>1 Million</b> not older than 12 months</li> </ul> </td> <td style="text-align: center;"><b>20</b></td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>• Signed and stamped bank rating Code <b>"B"</b> of <b>R500 000 (whichever greater will be considered) over the period of 12 Months</b> with the bank stamp not older than 12 months; or</li> <li>• Recent audited annual financial statements with Not older than <b>12 months</b> Cash &amp; Cash Equivalent of <b>R500 000</b> and above signed by auditors and company representative;</li> <li>• Signed and stamped Credit facility of <b>R500 000</b> from an accredited financial institution not older than 12 months or</li> <li>• Signed and stamped Bank Overdraft of <b>R500 000</b> not older 12 months</li> </ul> </td> <td style="text-align: center;"><b>10</b></td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>• <b>Non-Submission:</b> thresholds lower than above</li> </ul> </td> <td style="text-align: center;"><b>0</b></td> </tr> </tbody> </table> <p><b>NOTE: 20 points will be scored if at least one of the required documents listed above. Failure to submit will result in zero points for these criteria.</b></p>		Category	Description	Points	Health and Safety Resource	Professional Registration with SACPCMP (Mandatory)	7	No submission	0	Description	Points	<ul style="list-style-type: none"> <li>• Signed and stamped bank rating Code <b>"A"</b> of <b>R1 Million (whichever greater will be considered) over the period of 8 Months</b> with the bank stamp not older than 12 months; or</li> <li>• Recent audited annual financial statements Not older than <b>12 months with Cash &amp; Cash Equivalent of R1 Million</b> and above signed by auditors and company representative; or</li> <li>• Signed and stamped Credit facility of <b>1 Million</b> from an accredited financial institution not older than 12 months or</li> <li>• Signed and stamped Bank Overdraft of <b>1 Million</b> not older than 12 months</li> </ul>	<b>20</b>	<ul style="list-style-type: none"> <li>• Signed and stamped bank rating Code <b>"B"</b> of <b>R500 000 (whichever greater will be considered) over the period of 12 Months</b> with the bank stamp not older than 12 months; or</li> <li>• Recent audited annual financial statements with Not older than <b>12 months</b> Cash &amp; Cash Equivalent of <b>R500 000</b> and above signed by auditors and company representative;</li> <li>• Signed and stamped Credit facility of <b>R500 000</b> from an accredited financial institution not older than 12 months or</li> <li>• Signed and stamped Bank Overdraft of <b>R500 000</b> not older 12 months</li> </ul>	<b>10</b>	<ul style="list-style-type: none"> <li>• <b>Non-Submission:</b> thresholds lower than above</li> </ul>	<b>0</b>
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<b>Quality Formula</b>	WQ=W2 x So/Ms		Formula used to calculate Functionality points	
	W2 =Total evaluation points for functionality as per Scorecard			
	So = <b>Functionality</b> points allocated to the bidder under consideration			
	Ms =Maximum possible score for functionality in respect of a submission			
<b>Minimum points to be scored for Functionality is 70%</b>				
<b><u>FINANCIAL OFFER/PRICE</u></b>	<b>80/90</b>	Formula 2 Option 1, A=(1- {p- pm/pm})	Formula used to calculate Financial Offer/Price points	
		pm =The comparative Price offer of the mean/average qualifying tenderer		
		p =The comparative offer of the tender under consideration		
	<b>80/90</b>			

**Notes:**

1. Bidders are required to score minimum points of 70% for Functionality as stated in the tender data
2. Bidders who fail to meet the required minimum number of points for functionality as stated in the tender data shall be disqualified
3. Bidders who fail to disclose mandatory required information as per the returnable schedules shall be disqualified

**4. Bidders to submit the following for means of verification:**

- a) Project list of similar completed projects
- b) Performance and quality reports from clients / consultants
- c) Certified certificates of qualification of key staff and CV's including references
- d) Traceable References for projects completed
- e) Traceable references for suppliers

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<b>F.3.13</b>  F.3.13.1	<p><b>Acceptance of Bid Offers</b></p> <p>Bid offers will only be accepted if:</p> <ul style="list-style-type: none"> <li>a) the bidder has submitted an original valid Tax Clearance Certificate issued by the South African Revenue Services;</li> <li>b) the bidder is registered with the Construction Industry Development Board in an appropriate contractor grading designation;</li> <li>c) the bidder or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;</li> <li>d) the bidder has not: <ul style="list-style-type: none"> <li>i) abused the Employer's Supply Chain Management System; or</li> <li>ii) failed to perform on any previous contract and has been given a written notice to this effect;</li> </ul> </li> <li>e) the bidder has completed the Declaration of Interest and there are no conflicts of interest which may impact on the bidder's ability to perform the contract in the best interests of the employer or potentially compromise the bid process and persons in the employ of the state are not permitted to submit tenders;</li> <li>f) if there are no conflicts of interest which may impact on the bidder's ability to perform the contract in the best interests of the employer or potentially compromise the bid process</li> <li>g) the bidder has submitted the CIPRO documentation and certified copies of ID's for all directors;</li> <li>h) the bidder completed, signed and witnessed form of offer;</li> <li>i) the bidder is in good standing with Compensation for Occupational Injuries and Disease Act (COIDA);</li> <li>j) the bidder has submitted a fully priced Bill of Quantities;</li> <li>k) The bidder attended a compulsory briefing session and completed attendance register or certificate of attendance is signed by the representative of the Employer.</li> <li>l) The bidder is required to submit with his bid a Certificate of Contractor Registration issued by the Construction Industry Development Board and proof of Registration on the Central Supplier Database (CSD) with a Compliant Tax Status; copy of the tax clearance with Tax Compliance Pin issued by the South African Revenue Services.</li> <li>m) The bidder has a B-BBEE Level of 1-3</li> <li>n) The bidder and all its directors are South African Citizens <b>(For National Key Point Projects)</b>.</li> </ul>

F.3.14	<p><b>Notice to Unsuccessful Bidders</b></p> <p>Should bidders not hear from the IDT within ninety (90) calendar days of closure, they should consider their submission unsuccessful. Award will be posted on e-tender and CIDB website within 21 days of award. No written notification directed to each bidder will be issued by the Employer to unsuccessful bidders.</p>
F.3.18	<p><b>Provide Copies of the Contract</b></p> <p>The number of paper copies of the signed contract to be provided by the employer is one.</p>
F.3.19	<p><b>The additional conditions of bid are:</b></p> <p>1        The employer is not obliged to accept the lowest or any bid.</p>

## **ANNEXURE F: STANDARD CONDITIONS OF BID**

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

# Standard Conditions of Tender

## F.1 General

### F.1.1 Actions

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

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

- Note:
- 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.
  - 2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

**F.1.1.3** The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

### F.1.2 Tender Documents

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

### F.1.3 Interpretation

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

**F.1.3.2** These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

**F.1.3.3** For the purposes of these conditions for the calling for expressions of interest, the following definitions apply:

- a) **Conflict of interest** means any situation in which:
  - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
  - ii) an individual or organisation is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
  - iii) Incompatibility or contradictory interests exist between an employee and the organisation which employs that employee.
- b) **Comparative offer** means the tenderer's financial offer after all tendered parameters that will affect the value of the financial offer have been taken into consideration in order to enable comparisons to be made between offers on a comparative basis
- c) **Corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process; and
- d) **Fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels

#### **F.1.4 Communication and employer's agent**

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

#### **F.1.5 Cancellation and Re-Invitation of Tenders**

- F.1.5.1** An employer may, prior to the award of the tender, cancel a tender if-
- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
  - b) funds are no longer available to cover the total envisaged expenditure; or
  - c) no acceptable tenders are received.
  - d) there is a material irregularity in the tender process.
- F.1.5.2** The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised.
- F.1.5.3** An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

#### **F.1.6 Procurement procedures**

##### **F.1.6.1 General**

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

##### **F.1.6.2 Competitive negotiation procedure**

- F.1.6.2.1** Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.
- F.1.6.2.2** All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.
- F.1.6.2.3** At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.
- F.1.6.2.4** The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.

##### **F.1.6.3 Proposal procedure using the two stage-system (Not Applicable for this Bid)**

###### **F.1.6.3.1 Option 1**

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

### **F.1.6.3.2 Option 2**

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

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

## **F.2 Tenderer's obligations**

### **F.2.1 Eligibility**

**F.2.1.1** Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer and/or the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;

**F.2.1.2** Notify the employer of any proposed material change in the capabilities or formation of the bidding entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

### **F.2.2 Cost of tendering**

#### **F.2.2.1**

Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

#### **F.2.2.2**

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

### **F.2.3 Check documents**

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

### **F.2.4 Confidentiality and copyright of documents**

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

### **F.2.5 Reference documents**

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

### **F.2.6 Acknowledge addenda**

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

### **F.2.7 Clarification meeting**

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

## **F.2.8 Seek clarification**

Request clarification of the tender documents, if necessary, by notifying the employer at least five working days before the closing time stated in the tender data. The tenderer is encouraged to go through all contents of the tender document as seek clarification where applicable. Any assumptions made by the bidder without prior confirmation by the Employer and his agent shall be at the tenderers own risk.

## **F.2.9 Insurance**

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

## **F.2.10 Pricing the tender offer**

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

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

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

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

## **F.2.11 Alterations to documents**

Not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

## **F.2.12 Alternative tender offers**

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

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

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

## **F.2.13 Submitting a bid offer**

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

**F.2.13.2** Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing in black ink.

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

**F.2.13.4** Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

**F.2.13.5** Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and

identification details stated in the tender data, as well as the tenderer's name and contact address.

**F.2.13.6** Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

**F.2.13.7** Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

**F.2.13.8** Accept that the employer shall not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

**F.2.13.9** Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

#### **F.2.14 Information and data to be completed in all respects**

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

Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

#### **F.2.15 Closing time**

**F.2.15.1** Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

**F.2.15.2** Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline

#### **F.2.16 Tender offer validity**

**F.2.16.1** Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

**F.2.16.2** If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

**F.2.16.3** Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.

**F.2.16.4** Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".

#### **F.2.17 Clarification of tender offer after submission**

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

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

#### **F.2.18 Provide other material**

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

offer as non-responsive.

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

**F.2.18.3**

**F.2.19 Inspections, tests and analysis**

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

**F.2.20 Submit securities, bonds, policies, etc.**

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

**F.2.21 Check final draft**

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

**F.2.22 Return of other tender documents**

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

**F.2.23 Certificates**

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

**F.3 The employer's undertakings**

**F.3.1 Respond to requests from the tenderer**

**F.3.1.1** Unless otherwise stated in the tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

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

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

**F.3.2 Issue Addenda**

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

**F.3.3 Return late tender offers**

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

**F.3.4 Opening of tender submissions**

**F.3.4.1** Unless the two-envelope system is to be followed, open valid tender submissions by the IDT's SCM Unit. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened publicly.

**F.3.4.2** Announce at the meeting held immediately after the opening of tender submissions the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices for the main tender offer only.

**F.3.4.3** Make available the record outlined in F.3.4.2 on the IDT's website.

**F.3.5 Two-envelope system (Not Applicable for this bid)**

**F.3.5.1** Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

**F.3.5.2** Evaluate the quality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the quality evaluation more than the minimum number of points for quality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any preferences claimed. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for quality.

**F.3.6 Non-disclosure**

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

**F.3.7 Grounds for rejection and disqualification**

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

**F.3.8 Test for responsiveness**

**F.3.8.1** Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

**F.3.8.2** A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

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

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

**F.3.9 Arithmetical errors, omissions and discrepancies**

**F.3.9.1** Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

**F.3.9.2** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or

- c) arithmetic errors in:
  - i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
  - ii) the summation of the prices.

**F.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

**F.3.9.4** .

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

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

**F.3.10 Clarification of a tender offer**

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

**F.3.11 Evaluation of tender offers**

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

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

**The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:**

**Requirement**

Fair

Equitable

Transparent

Competitive

**Qualitative interpretation of goal**

The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.

Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.

The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.

The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.

The activities associated with evaluating tender offers are as follows:

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

**F3.11.1 General**

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

#### **Insurance provided by the employer**

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

#### **F.3.12 Acceptance of tender offer**

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

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

#### **F.3.13 Prepare contract documents**

**F.3.13.1** If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

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

**F.3.13.2** Complete the schedule of deviations attached to the form of offer and acceptance, if any.

#### **F.3.14 Complete adjudicator's contract**

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

#### **F.3.15 Registration of the award**

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

#### **F.3.16 Provide copies of the contracts**

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

#### **F.3.17 Provide written reasons for actions taken**

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

# SPECIAL CONDITIONS OF TENDER

## F.4 Special Conditions of Tender

### F.4.1 General

The Special Conditions of Principal Contract Tender generally contain clauses that are either deemed to be additions, elaborations or variations to the Standard Conditions of Principal Contract Tender. Accordingly, the Special Conditions of Principal Contract Tender be read in conjunction with the Standard Conditions of Principal Contract Tender and it shall be deemed that the amended meanings and intentions of the clauses shall apply, if applicable.

### F.4.2 Tender Offers

Tenderers are advised that it is compulsory to submit offers for all Tender Options as set - out below and where indicated by a tick.

#### Subject To Escalation Price Offer

N/A

Tenderers are advised that this offer shall NOT be subject to Contract Price Adjustment Formulae based on the Haylett Formulae.

#### Fixed Price Offer

√

Tenderers are advised that all rates, amounts, overhead and profit percentage mark-ups and amounts, profit and attendance amounts, prices, etc. submitted, shall not be subject to any form of Contract Price Adjustment Formulae e.g. Haylett Formulae. In this regard, it is deemed that the Tenderer has allowed for any potential increases (except any variation in the rate of Value Added Tax) in cost of labour, materials, transport, etc. in the Tender amounts, rates, etc. submitted.

This will only be applicable to the measured work priced by the main contractor and will not apply to the provisional sums or budgetary allowances.

Key: √ - Tender Option Applicable  
X - Not Required For This Tender

### F.4.3 Market Related Wage Rates

When pricing this document, respondents are to allow for wages, which are not less than the greater of:

The statutory wage rates in any labour category; and,  
The SAFCEC recommended minimum rates applicable at any time during the duration of the contract.

In this regard, a Tenderer may be called upon to demonstrate the wage rates utilised in calculating its Tender price.

### F.4.4 Letter of Intent

Tenderers are required to furnish with their tender documents, a letter of intent from a Bank or approved Insurance Company, to indicate that in the event of their tender being successful that a surety / guarantee as required will be provided when asked to do so.

### F.4.5 Information to be Submitted by Tenderers

All Tenderers are instructed to acknowledge that the information to be submitted must be strictly in accordance with the requirements stipulated in 2.3. Therefore, separate brochures, information other than which is specified in 2.3 must not be incorporated in the submission documents. Failure to comply with this instruction may render the submission liable for disqualification.

If the spaces in the Tender Returnables are insufficient, the relevant particulars should be documented on a separate sheet (s) with proper reference to the specific information requested.

**F.4.6 Interviews**

All Tenderers are advised that they may be required to attend interviews and / or submit further information; including making their premises, plant, equipment and details of works in progress, available for inspection after the receipt of Tender submissions.

**F.4.7 Detailed Construction Programme**

The Principal Contract for the project Commencement and Completion dates and any other relevant dates for this contract are stated in the Preliminaries.

Time and quality are to be considered the essence of this Contract. Accordingly, it shall be deemed that the Project Programme detailing each activity and duration as well as a detailed Method Statement be submitted by the Tenderer as part of the Tender submission and shall be the basis of monitoring progress on the project.

The programme should be a detailed double-linked critical path programme preferably in CCS format in both hard copy and electronic format and take into consideration the following;

Dividing the programme into convenient construction zones both horizontally and vertically;  
Linking all activities as 'open ended' or 'open start' activities are not acceptable;  
Detailing all holidays, Christmas/New Year break, etc.;  
Showing both the Date of Practical Completion and the Date of Works Completion given that the Employer will take Occupation of the facility once the Works Completion Certificate has been issued. Penalties will apply for Milestone, Practical and Works Completion dates not being achieved as detailed in the Preliminaries.

The programme must be a fully resourced "double linked" critical path programme clearly showing Start, Finish and any Interim completion dates as well as any Milestone dates for critical activities including;

- Dates for Practical Completion Inspections to be carried out;
- Date of Practical Completion
- Period required for attendance on and completion of the Completion List issued at Practical Completion
- Date of Works Completion;

The successful tenderer's program is subject to review and mutual acceptance.

Any Queries / clarifications relative to the Programme can be directed to the Employer.

**F.4.8 Detailed Cash-flow**

Tenderers are advised that a fully detailed cash-flow based on the tenderers programme is required to be submitted together with their tender document. In this regard, tenderers are advised that the financial year start and end dates are 01 April to 31 March respectively and therefore tenderers are requested to keep sub-totals for each financial year during the duration of the construction programme.

Tenders are advised that the targeted annual maximum percentages per financial year end for the contract duration are as follows and are not to be exceeded:

<b>FINANCIAL YEAR</b>
01 APRIL 2023 TO 31 MARCH 2024
01 APRIL 2024 TO 31 MARCH 2025

**F.4.9 Detailed Resourcing Schedule**

Tenderers are advised that a detailed resourcing schedule including skilled, unskilled and sub-contractor's staffing histograms is required to be submitted together with their tender document.

#### **F.4.10 Proposed Domestic Sub-Contracts**

The Tenderer shall submit in writing, when requested, a list of proposed domestic sub-contractors that is intended to be utilised on the project, should its offer be accepted.

#### **F.4.11 Adjudication and Independent Development Trust's Rights**

F.4.11.1 Independent Development Trust reserves the right to visit any Tenderer (without prior notice), to interview any shareholder of the Tenderer and to evaluate such Tenderer in accordance with the criteria as set out in the paragraph 1.11.3 below;

F.4.11.2 All information obtained at such evaluation shall at all times be treated as confidential by Independent Development Trust;

F.4.11.3 Adjudication of a Tender shall be in the discretion of Independent Development Trust and may take into account the following:

- (i) Tender Price;
- (ii) Ability to perform, which may take into account previous experience in the relevant industry;
- (iii) Suitability of employees and suitability of equipment and materials to be used;
- (iv) Black dep Empowerment;
- (v) Financial viability of the Tenderer;
- (vi) Ownership of the Tenderer;
- (vii) Compliance with all relevant laws; and
- (viii) SCM policy and procedures.

#### **F.4.12 Form of Contract**

**The JBCC Series 2000 Principal Building Agreement (Edition 6.2 Reprint May 2018) as amended in the IDT's SPECIAL CONDITIONS OF PRINCIPAL CONTRACT, shall be applicable to this contract.**

#### **F.4.13 Specialist Selected Sub-contract Procurement Process**

Due to the nature of the project, the procurement process of the following envisaged selected sub-contracts will be done upon appointment of the Principal Building Contractor:

- Clearing of site
- Excavation of footings and pipe trenches
- Painting
- Brickwork

Upon the appointment of a Principal Contractor, the Principal Contractor is to subsequently appoint the **selected** sub-contractors as instructed by the Principal Agent and The Employer.

This is a material condition of appointment and should the Tenderer have any objection to this condition the tenderer is to raise this in their tender submission. The appointment of the selected sub-contractor will be done in consultation with the appointed contractor.

#### **F.4.14 Damage to the Work**

Care shall be taken not to cause any damage to any part of the existing or new work or any adjoining property, if applicable. The Contractor will be held responsible for damage caused to the works by his negligence and shall be liable for all costs incurred in making good any such damage to the satisfaction of the Principal Agent.

**F.4.15 Communication, Media Releases, Etc.**

The Contractor shall not in any way communicate with the press, or any representative of the written or electronic media, on a question affecting this contract unless prior approval in writing is received from the **Principal Agent** as authorised by the **Employer**.

All rights of publication of articles in the media, together with any advertising relating to, or in any way concerned with this project shall vest in the Employer.

The Contractor shall not, without the written consent of the Employer, cause any statement or advertisement to be printed, screened or aired by the media.

**F.4.16 Copyright**

No part of this document and any document forming part of the contract documents may be copied, photographed or repeated in any manner or by any process without the written consent of the **Principal Agent**. Copyright is reserved on all designs, specifications, patents and patentable designs, systems and processes contained in documents pertaining to this contract. The person, firm, body, supplier, contractor, sub-contractor and any other contracting party is to be responsible jointly and severally, in their personal and corporate capacities for any contravention of this requirement.

**F.4.17 Workmanship and Quality Control**

The onus to produce work that conforms in quality and accuracy of detail, to the requirements of the specifications, rests with the Contractor, and the Contractor shall, at his own expense, institute a quality control system and provide other technical staff, together with all transport, instruments and equipment to ensure adequate supervision and positive control of the works at all times.

The cost of supervision and process control, including testing carried out by the Contractor shall be deemed to be included in the amount quoted for the works.

The Contractor's attention is drawn to the normal standards regarding the minimum frequency of testing required for materials. The Contractor shall, at his own discretion increase this frequency where necessary to ensure adequate control.

The Contractor shall remain solely responsible for the work as defined in this contract document, up to the end of the Defects Liability Period.

The Contractor needs to ensure that daily site diaries are kept on site at all times. These may be required for submission to the Employer as and when needed.

The end-user client and the NDPW may from time to time inspect the quality / workmanship on site and make the necessary comments and/or requirements for correction.

**F.4.18 Occupational Health and Safety Act**

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

**F.4.19 Co-Operation of Contractor for Cost Control**

It is deemed that the Contractor accepts the obligation of assisting the Professional Consultants in implementing proper cost control in ensuring that the final building cost does not exceed the budget.

**F.4.20 Application for Payment**

The Contractor shall submit the following information on a monthly basis to the Quantity Surveyor in order to assist with the processing of the Payment Certificate and the preparation of the empowerment report:

- A detailed breakdown of the work done. (The work breakdown must be referenced strictly in

accordance with the Contract Document or the detailed priced bills of quantities, as applicable.)

- A detailed breakdown of all Variation Order costs claimed (With specific reference to work done by the Nominated/Selected Subcontractor) in the certificate concerned, together with copies of the relevant Contract instructions.
- An empowerment report which shall contain an affidavit certifying that all information contained in the report as being true and correct and must be authenticated by the sub-contractor and a commissioner of oaths
- EPWP Labour Report showing total work opportunities created on site
- Tax Invoice: The contractor shall attach a tax invoice as prescribed in the Value Added Tax legislation to each payment certificate when presenting the certificate to the Employer for payment. Such tax invoices shall correctly reflect the prescribed information and the amounts shall match precisely the amounts included in the Payment Certificate. Should the contractor fail to comply with these requirements, the date of presentation of the certificate shall be deemed to be delayed at the contractor's default until such time as the requirements are met.

Should anyone or any combination of the above requirements not be complied with, the Principal Agent and/or Contractor reserves the right to exclude any amounts that may have been due for certification from the Payment Certificate concerned and/or delay the issue of Payment Certificates and/or, revise the contractual payment date, as applicable, until such time compliance is achieved.

#### **F.4.21 Identification of Personnel**

All permanent staff that are utilised on the project by the Contractor, Domestic and Selected Sub-contractors are at all times whilst on site, be clad with clothing that clearly identifies each staff member together with an identification document which includes, but not limited to the following:

A photograph of the staff member concerned;  
The identification numbers of the staff member concerned; and,  
The name of company concerned

In addition, to that stated above, the Contractor shall adhere to the premise's security rules and regulations.

No staff member will be permitted to execute the Works if this condition is not adhered to.

#### **F.4.22 Intervention at Manufacture and / or Supplier and / or Contract Level**

The Employer and its Agents reserve the right to discuss and liaise on any issue pertaining to this Contract with the Contractor's service providers i.e. manufacturers and / or suppliers and / or sub-contractors concerned. This right shall not create privity of contract between the Employer and / or its Agents and the said manufacturer and / or supplier and / or sub-contractors.

#### **F.4.23 Cession of Materials Supplied to the Site**

It shall be deemed that the Contractor and its service providers upon delivery of each batch of materials to site, has ceded the said materials to the Employer.

#### **F.4.24 Alterations in the Quantity and Value of Work**

The Employer and / or its Agents shall be permitted to either increase or decrease the quantity and value of work contracted for. In this regard, the Contractor including its service providers shall not be entitled to claim for any additional expense incurred, or for any change in the rates for work done and / or any materials and services supplied. It shall be deemed that all costs associated with this item are included in the Tender Price.

#### **F.4.25 Change in the Scope of Work**

The Contractor acknowledges that whilst drawings have been prepared for the Works, the scope of work and value of the Contract may be substantially altered and that no claims for loss and expense shall be due by the Employer for implementing any changes that may become necessary. It shall be deemed that the Tender Price includes for all costs that may arise due to compliance with this clause.

#### **F.4.26 Treasures, Relics, Etc.**

Any relics, treasure, articles of value or of potential historical or archaeological interest found on the site must be brought to the attention of the Principal Agent. All work at the specific area of the discovery shall stop for a reasonable time period until such time that the Principal Agent instructs continuation of the Works.

Any relics, treasure, articles of value or of potential historical or archaeological interest found on the site shall remain the property of the Employer and shall be handed over to the Principal Agent who shall be the sole arbitrator of what is an article of value.

#### **F.4.27 Priced Bills of Quantities**

The Tenderer shall submit a fully priced Bills of Quantities as well as a detailed breakdown and build-up of all items measured as lump sum items with the Tender Price. Lump sum items shall be measured in accordance with the Standard System of Measuring Building Work (Sixth Edition, including any subsequent amendments thereto), and shall form part of the Contract and shall be used for the purposes of preparing valuations, Payment Certificates, determining the value of Variation Orders, preparation of Final Accounts, etc.

Neither the Employer, nor its Agents shall be liable for any cost incurred for the award and subsequent withdrawal of the award of the Tender in terms of this clause.

#### **F.4.28 Prices and Net Measurements**

Prices throughout these Bills of Quantities shall be deemed to include for all obligations arising out of the Contract and unless otherwise specified, be held to include for making, conveying and delivering, unloading, storing, unpacking, hoisting, setting, fitting and fixing in position, cutting and waste, patterns, models and templates, plant, temporary works and return of packaging.

Prices for all items contained in these Bills of Quantities and any additional authorised variations, shall be deemed to exclude all amounts due in terms of the Value Added Taxation legislation. A provision for the addition of VAT shall be made on the Final Summary page of the Bills of Quantities and Final Statement of Accounts, as applicable.

#### **F.4.29 Value Added Tax (V.A.T)**

All prices and or rates tendered shall be deemed to be **exclusive** of Value Added Tax.

Value Added Tax shall be added as a lump sum where provided on the Final Summary page of the Bills of Quantities, and the Tender Price **inclusive** of Value Added Tax will be shown on the Form of Tender.

Value Added Tax shall be calculated at the National going rate at the time of submission of bids.

#### **F.4.30 Site and Information**

Tenderers must acquaint themselves with the conditions of the Site and generally obtain their own information on all matters affecting the submission of Tenders for the Works. Tenderers will be held responsible for any misunderstanding or incorrect information obtained, except information which may have been given in writing over the signature of the Principal Agent.

The contractor is expected to establish a construction camp, office and workshop facility, for the fulfilment of the contract. Site establishment facilities to be removed after the completion of the project.

The contractor must strictly use the working area provided by the Employer.

#### **F.4.31 Noise**

Tenderers must take note that the site is within the Dirang Kanatla Secondary School Site. As such high noise level shall be restricted to times that will not disrupt the community. Tenderers are to ensure that they acquaint themselves with these conditions and adequately price for it accordingly as no additional time will be allowed for any delays that may be attributed to such.

The Contractor will be restricted from working evening shifts but may be allowed to work weekend shifts with prior 1 weeks' notice. Such shall be included in the contractor's pricing as no additional allowance for weekend shifts will be allowed for by the Employer, post tender award.

**F.4.32 Water and Electricity**

The contractor is expected to make means for the provision of water and electricity for construction purposes. The use of such services from the site shall be at the discretion and on agreement with the end user department.

**F.4.33 Preliminaries Costs**

The Tenderer must allow in his pricing, or where provided for in the Tender Document, for all preliminaries costs deemed necessary for the proper execution and completion of the Works, as no late claims whatsoever for additional costs in this respect will be considered.

**F.4.34 Protection of Existing Work**

The Tenderer shall allow for the protection of all existing work that is liable to be damaged during the execution of this Contract and work that is liable to be damaged once the Contractor completes its Section of the Works.

**F.4.35 Mock-Up / Samples, etc.**

Samples, mock-ups, etc. will be called for by the Principal Agent for approval and shall be provided at no extra cost as rates will be deemed to include for this.

**F.4.36 Substitution of Materials**

No substitution of the articles or materials specified in this Tender Document will be permitted unless the authority of the Principal Agent has been obtained, in writing, before Tender closing. The Tenderer will otherwise be required to provide / or use the specified articles or materials. Approval of any request for the substitution of any article or materials will only be considered when the Principal Agent is satisfied that if the substitution is approved, there is sufficient time remaining before Tender closing to advise all other Tenderers accordingly.

**F.4.37 Restriction on Site Access**

Tenderers are to price any items related to this under Clause 3.1 in the Preliminaries bill. The Principal Agent and /or the Compulsory Tender Briefing will provide further details of the restrictions, if any that will affect the Contractor.

**F.4.38 Security**

The Tenderers are to note that upon award of the contract, they are to furnish the Employer (within 21 days of award), the following:

Construction Guarantee equal in value to **10%** of the Contract Sum valid for the duration of the contract.

**F.4.39 Safety Requirements**

The Contractor is referred to the safety requirements associated with the project. It is of utmost importance that the successful contracting entity abides by the.

The Contractor will comply with all Health and Safety Regulations and the Health and Safety Plan.

Management of safety on site shall remain the sole responsibility of the Contractor.

Disposal of all rubble material and asbestos roof sheetings / materials, to suitable legal dump sites, shall be carried out on a weekly basis. All costs for this exercise shall be included in the bid price (for the duration of the project plus a further 6 months in the event of project overrunning its duration)

**The safety on site, agreement and general information forms included in the Tender Returnables must be agreed and fully completed and submitted with the Tender Submission.**

**F.4.40 Budgetary Allowances / Provisional Sums**

Where applicable, these amounts have been included in the Tender Price where the work has not been defined at the date of Tender. It is intended that once the scope is defined, Tenders will be invited with a view to these Works being awarded as Nominated / Selected Subcontract works.

- The Specialist Consultant responsible for the specific work package will prepare documentation which is to include drawings, specification and schedule of quantities that define the scope of works all in accordance with the Nominated / Selected Subcontract Agreement.
- The Quantity Surveyor will prepare the necessary Tender documents.
- The Principal Agent will arrange for inviting / advertising of tenders' subject to the payment of a non-refundable document fee, if applicable.
- The Employer will arrange to issue the tender documents from their offices and take receipt of amounts paid.
- The Tenders for the Works will be submitted to the Employer's office in terms of the tender closing times stipulated. Tenders will be opened and tender amounts read out at the time.
- The Quantity Surveyor will make copies of the returned Tender documents for distribution to the Principal Agent.
- The Quantity Surveyor will prepare an initial financial evaluation report of the Tenders, Principal Agent and Engineer will evaluate the Tenderer's technical compliance and capability and circulate to the Employer.
- The Principal Agent will prepare a draft report, discuss with the Contractor to get their approval and finally circulate the draft to the other Consultants for final comment. Thereafter the Tender Report with Recommendations will be finalised by the Principal Agent and circulated to the Employer for approval. On approval, the recommendation together with any instructions of award will be issued to the Contractor who will be responsible for appointing the relevant party as a Sub-contractor.

#### F.4.41 Community Liaison Officer (CLO)

The Tenderer shall allow for a CLO who is to be appointed and remunerated by the Contractor following identification and selection by the Ward Councillor.

<u>Purpose of the Job:</u>	The primary role of the CLO shall be liaison and facilitation of communication between the Contractor, the Local community and the Ward Councillor.
<u>Job title:</u>	Community Liaison Officer (CLO)
<u>Reporting to:</u>	The Contracts Manager or other delegated representative of the Contractor. The CLO must report to <b>the Contractor</b> and remain on site on a daily.
<u>Experience:</u>	Relevant experience and knowledge of building construction, community facilitation and relevant labour legislation.
<u>Remuneration:</u>	Rate payable for the CLO will be 100% of the Building Works Industry minimum wage for unskilled labour.
<u>Minimum Skills:</u>	<ol style="list-style-type: none"> <li>1. Ability to work with others;</li> <li>2. Ability to communicate in local language of the project location and English;</li> <li>3. Ability to communicate in writing;</li> <li>4. Sound Interpretation skill.</li> </ol>

The Ward Councillor in whose wards work is to be done will collectively identify 3 (three) CLO candidates for the project and make such persons known to the Contractor within five days of being requested to do so. The Contractor will be required to enter a written contract with the CLO that specifies:

- (a) The hours of work and the wage rate of the CLO which could include:
- (b) The duration of the appointment
- (c) The duties to be undertaken by the CLO which could include:
  - Assisting in all respects relating to the recruitment of local labour and advising them of their rights
  - Acting as a source of information for the community and councilors on issues related to the contract
  - Keeping the contractor advised on community issues and issues pertaining to local security
  - Assisting in setting up any meeting or negotiations with affected parties
  - Keeping a written record of any labour or community issues that may arise

- The CLO needs to be seen to be neutral by all parties and therefore should endeavor not to take sides should conflict arise.
- Should the CLO function not involve a full day's work, the CLO will be expected to undertake other work allocated by the Contractor for the balance of each day

Procedures for local labour recruitment:

- The Contractor submits a list of his/her requirements to the CLO, stating the numbers required in each labour category (general worker, bricklayer, etc.) and a programme that shows when these resources will be required.
- During the construction period, the CLO uses the list to identify candidates for employment, who are interviewed and if successful employed by the contractor.
- The Contractor keeps the CLO informed by providing him/her with employee's details at the start of their employment (name, residential address, ID number, wage, employment, start and finish date, task, etc.) and notify the CLO when their employment ends.

## **T2.1 LIST OF RETURNABLE DOCUMENTS**

## T2.1 List of Returnable Documents

List of returnable documents are for ensuring that everything the employer requires a tenderer to submit with his tender is included in, or returned with, his tender submission. Tick below if returnable document is attached or completed properly.

#	LIST OF RETURNABLE DOCUMENTS	TICK IF ATTACHED
T2.1.1	Invitation to bid (SBD1)	
T2.1.2	Preference Points Claim Form in Terms of The Preferential Procurement Regulations 2022 (SBD 6.1)	
T2.1.4	Tax clearance certificate	
T2.1.5	Joint Venture Agreement Between Parties	
T2.1.6	Contractors copy of registration	
T2.1.7	CIDB Registration Number	
T2.1.8	Copy of a Letter of Good standing with Compensation For Occupational And Injuries Dieses Act (COIDA) Registration Number	
T2.1.9	Compulsory enterprise questionnaire	
T2.1.10	Bidder's disclosure	
T2.1.15	Certificate of Authority For Signatory	
T2.1.16	Record of Addenda to The Tender Documents	
T2.1.17	Tenderers financial standing	
T2.1.18	Amendments, Qualifications and Alternatives	
T2.1.19	Socio economic upliftment strategy	
T2.1.21	Contractors health and safety declaration	

**T2.2 RETURNABLE SCHEDULES (ALL COMPULSORY)**

## T2.2 RETURNABLE SCHEDULES

Contains documents that the tenderer is required to complete for the purpose of evaluating tenders and other schedules which upon acceptance become part of the subsequent contract.

#	QUALITY EVALUATION SCHEDULES
T2.2.1	Project Experience
T2.2.2	Letters of Appointment, and Relevant Completion Certificates (Practical Completion, Work Completion & Final Completion)
T2.2.3	Client references
T2.2.4	Key Personnel
T2.2.5	Financial Viability

### RETURNABLE SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT (to be attached with submission)

Record of Addenda to Tender Documents
Declaration Concerning Fulfillment of the Construction Regulations, 2003
First Programme and Method Statement
Preliminary Health and Safety Plan for completion
Form of offer and acceptance
Contract data
Forms of securities

**T2.1.1 INVITATION TO BID**

**SBD 1**

**PART A**

**INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE INDEPENDENT DEVELOPMENT TRUST					
BID NUMBER:	DOE13NWER008	CLOSING DATE:	30 August 2023	CLOSING TIME:	12h00
DESCRIPTION	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.- BID NUMBER: DOE13NWER008				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
IDT North West Regional Office					
4071 Joules Street, Industrial Site					
Mahikeng					
2735					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	NOXOLO DIKOBE		CONTACT PERSON	ANDREW NGOBENI	
TELEPHONE NUMBER	018 389 3000		TELEPHONE NUMBER	018 389 3000	
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS	<a href="mailto:noxolod@idt.org.za">noxolod@idt.org.za</a>		E-MAIL ADDRESS	<a href="mailto:andrewn@idt.org.za">andrewn@idt.org.za</a>	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
a) ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		b) ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW ]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					

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

YES  NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA?

YES  NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

YES  NO

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

YES  NO

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

YES  NO

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

## PART B

### TERMS AND CONDITIONS FOR BIDDING

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

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

SIGNATURE OF BIDDER: .....

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

DATE: .....

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

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

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

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**1. GENERAL CONDITIONS**

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

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included)

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

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

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

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

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

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
<b>TARGETED GROUP</b>	
Women Ownership	6
Youth Ownership	6
People with Disabilities Ownership	4
Black Male Ownership	4
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

## 2. DEFINITIONS

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

## 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

### 3.1. POINTS AWARDED FOR PRICE

#### 3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

$$\begin{array}{ccc} \mathbf{80/20} & \text{or} & \mathbf{90/10} \\ \mathbf{Ps = 80} \left( \mathbf{1 - \frac{Pt - P \min}{P \min}} \right) & \text{or} & \mathbf{Ps = 90} \left( \mathbf{1 - \frac{Pt - P \min}{P \min}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

#### **3.2.1. POINTS AWARDED FOR PRICE**

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

$$\begin{array}{ccc} \mathbf{80/20} & \text{or} & \mathbf{90/10} \\ \mathbf{Ps = 80} \left( \mathbf{1 + \frac{Pt - P \max}{P \max}} \right) & \text{or} & \mathbf{Ps = 90} \left( \mathbf{1 + \frac{Pt - P \min}{P \min}} \right) \end{array}$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmax = Price of highest acceptable tender

**4. POINTS AWARDED FOR SPECIFIC GOALS**

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

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Women Ownership	6	
Youth Ownership	6	
People with Disabilities Ownership	4	
Black Male Ownership	4	

**Source Documents to be submitted with the Bid or RFQ**

- \*CIPC Document (Company Registration Document will be required for verification (CIPC DOC))
- \*Woman (Originally Certified ID Document)
- \*Youth (Originally Certified ID Document)
- \*People with Disability (Letter from the Dr. Confirming the Disability)
- \*Black Ownership (Originally Certified ID Document)

**DECLARATION WITH REGARD TO COMPANY/FIRM**

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

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

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

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
  - (a) disqualify the person from the tendering process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution, if deemed necessary.

..... <b>SIGNATURE(S) OF TENDERER(S)</b>	
<b>SURNAME AND NAME:</b>	.....
<b>DATE:</b>	.....
<b>ADDRESS:</b>	..... ..... ..... .....

### T2.1.3 CIPC Document

#### Source Documents to be submitted with the Bid or RFQ

- \*CIPC Document (Company Registration Document will be required for verification (CIPC DOC))
- \*Woman (Originally Certified ID Document)
- \*Youth (Originally Certified ID Document)
- \*People with Disability (Letter from the Dr. Confirming the Disability)
- \*Black Ownership (Originally Certified ID Document)

## T2.1.4 TAX CLEARANCE CERITFICATE

*Tax Clearance Certificate or Unique Pin obtained from SARS to be inserted here]*

## **T2.1.5      JOINT VENTURE AGREEMENT BETWEEN PARTIES**

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

**T2.1.6 CONTRACTOR'S COPY OF REGISTRATION OF INCORPORATION**

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

## **T2.1.7 CIDB REGISTRATION CERTIFICATE**

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

***NOTE: The CIDB can be contacted or visited on [www.cidb.org.za](http://www.cidb.org.za) for more information and registration. Obtain a “Code of Conduct for all parties engaged in construction procurement” for you information.***

**T2.1.8 COPY OF A LETTER OF GOODSTANDING WITH COMPANSATION FOR OCCUPATIONAL AND INJURIES DISEASES ACT (COIDA OR TENDER LETTER OBTAIN FROM DEPARTMENT OF LABOUR OR FEMA)REGISTRATION CERTIFICATE**

*Attached hereto is my / our certified copy of A LETTER OF good standing with the Compensation for Occupational Injuries and Diseases, e.g. letter of good standing. My / our failure to submit the certificate with your tender offer will lead to the conclusion that your entity/ company is not registered with COIDA / FEMA. If Joint Venture (JV) attach one for every service provider.*

## T2.1.9 COMPULSORY ENTERPRISE QUESTIONNAIRE

**Note: Compulsory Enterprise Questionnaire must be completed by each member of a JV or consortium**

<b>Section 3: CIDB registration number, if any: .....</b>			
<b>Section 4: Particulars of sole proprietors and partners in partnerships</b>			
<b>Name*</b>	<b>Identity number*</b>	<b>Personal income tax number*</b>	
* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners			
<b>Section 5: Particulars of companies and close corporations</b>			
Company registration number .....			
Close corporation number .....			
Tax reference number .....			
<b>Section 6: Record in the service of the state</b>			
Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:			
<input type="checkbox"/> a member of any municipal council	<input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)		
<input type="checkbox"/> a member of any provincial legislature	<input type="checkbox"/> a member of an accounting authority of any national or provincial public entity		
<input type="checkbox"/> a member of the National Assembly or the National Council of Province	<input type="checkbox"/> an employee of Parliament or a provincial legislature		
<input type="checkbox"/> a member of the board of directors of any municipal entity			
<input type="checkbox"/> an official of any municipality or municipal entity			
<b>If any of the above boxes are marked, disclose the following:</b>			
Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months
*insert separate page if necessary			
<b>Section 7: Record of spouses, children and parents in the service of the state</b>			
Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:			
<input type="checkbox"/> a member of any municipal council	<input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)		
<input type="checkbox"/> a member of any provincial legislature	<input type="checkbox"/> a member of an accounting authority of any national		
<input type="checkbox"/> a member of the National Assembly or the National Council of Province			
<input type="checkbox"/> a member of the board of directors of any			

**T2.1.9 COMPULSORY ENTERPRISE QUESTIONNAIRE**

<input type="checkbox"/> municipal entity or provincial public entity <input type="checkbox"/> an official of any municipality or municipal entity <input type="checkbox"/> an employee of Parliament or a provincial legislature			
Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

\*insert separate page if necessary

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

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

Signed _____ Name _____  <i>Enterprise name</i> _____	Date _____ Position _____  _____
--	---

**T2.1.10 BIDDER'S DISCLOSURE**

**SBD 4**

**BIDDER'S DISCLOSURE**

**1. PURPOSE OF THE FORM**

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

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

**2. Bidder's declaration**

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

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

<b>Full Name</b>	<b>Identity Number</b>	<b>Name of State institution</b>

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

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

2.2.1 If so, furnish particulars:  
.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:  
.....  
.....

**3 DECLARATION**

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

<sup>2</sup>Joint venture or consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts skill and knowledge in an activity for the execution of the contract.

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

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

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder

**T2.1.15 CERTIFICATE OF AUTHORITY FOR SIGNATORY**

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

<b>(I) COMPANY</b>	<b>(II) CLOSE CORPORATION</b>	<b>(III) PARTNERSHIP</b>	<b>(IV) JOINT VENTURE</b>	<b>(V) SOLE PROPRIETOR</b>

**(I) CERTIFICATE FOR COMPANY**

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

**Chairman:** .....

**As Witnesses:** 1. ....

2. .... **Date:** .....

**(II) CERTIFICATE FOR CLOSE CORPORATION**

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

NAME	ADDRESS	SIGNATURE	DATE
ID No.....	.....		

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

**(III). CERTIFICATE FOR PARTNERSHIP**

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

NAME	ADDRESS	SIGNATURE	DATE

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

**(IV) CERTIFICATE FOR JOINT VENTURE**

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms  
 ....., authorized signatory of the company, .....  
 acting in the capacity of lead partner, to sign all documents in connection with the tender offer for  
 Contract No ..... and any contract resulting from it, on our behalf.

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

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

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

**(V) CERTIFICATE FOR SOLE PROPRIETOR**

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

Signature of Sole owner: .....

As Witnesses:

1. ....

2. ....

Date: .....

**T2.1.16 RECORD OF ADDENDA TO THE TENDER DOCUMENTS**

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer		
	<b>Date</b>	<b>Title or Details</b>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed .....

Date .....

Name .....

ID number .....

Position .....

Tenderer .....

## T2.1.17 TENDERER'S FINANCIAL STANDING

The Tenderer shall provide information about his commercial position, which includes information necessary for the Employer to evaluate the Tenderer's financial standing.

To that end the Tenderer must provide with his tender a bank rating, certified by his banker, to the effect that he will be able to successfully complete the contract at the tendered amount within the specified time for completion.

However, should the Tenderer be unable to provide a bank rating with his tender, he shall state the reasons as to why he is unable to do so, and in addition provide the following details of his banker and bank account that he intends to use for project:

Name of account holder: \_\_\_\_\_

Name of Bank : \_\_\_\_\_

Branch : \_\_\_\_\_

Account number : \_\_\_\_\_

Type of account : \_\_\_\_\_

Telephone number : \_\_\_\_\_

Facsimile number : \_\_\_\_\_

Name of contact person (at bank : \_\_\_\_\_

***Failure to provide either the required bank details or a certified bank rating with his tender, will lead to the conclusion that the Tenderer does not have the necessary financial resources at his disposal to complete the contract successfully within the specified time for completion.***

The Employer undertakes to treat the information thus obtained as confidential, strictly for the use of evaluation of the tender submitted by the Tenderer.

SIGNATURE: \_\_\_\_\_

IDENTITY NUMBER: \_\_\_\_\_

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

DATE: \_\_\_\_\_

**T2.1.18 AMENDMENTS, QUALIFICATIONS AND ALTERNATIVES**

*(This is not an invitation for amendments, deviations or alternatives but should the Tenderer desire to make any departures from the provisions of this contract he shall set out his proposals clearly hereunder. The Employer will not consider any amendment, alternative offers or discounts unless forms (a), (b) and (c) have been completed to the satisfaction of the Employer).*

I / We herewith propose amendments, alternatives and discounts as set out in the tables below:

**(a) AMENDMENTS**

PAGE, CLAUSE OR ITEM NO	PROPOSED AMENDMENT

**[Notes: (1) Proposals for amendments to the General and Special Conditions of Contract are not acceptable, and will be ignored;  
 (2) The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.]**

**(b) ALTERNATIVES**

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

**[Notes: (1) Individual alternative items that do not justify an alternative tender, and an alternative offer for time for completion should be listed here.  
 (2) In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.  
 (3) Alternative tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main tender offer.]**

(c) DISCOUNTS

ITEM ON WHICH DISCOUNT IS OFFERED	DESCRIPTION OF DISCOUNT OFFERED

***[Note: The Tenderer must give full details of the discounts offered in a covering letter attached to his tender, failing which, the offer for a discount may have to be disregarded. Only unconditional discounts will be considered]***

SIGNATURE: ..... IDENTITY NUMBER: .....

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

DATE:.....

## T2.1.19 SOCIO ECONOMIC UPLIFTMENT STRATEGY

***Attached hereto are my / our proposed socio economic upliftment strategy. The strategy will as a minimum address items such as skills upliftment, training, subcontracting, skilled and semi-skilled labour employment, procurement of local labour and materials, employment of woman, youth and disabled, etc.***

Notes:

- a) The developer has a commitment to utilising the local community resources and labour, and as such preference will be shown to bidders who prioritise local employment.
- b) As part of the tender documentation a methodology is to be submitted proposing as to how the main contractor will deal with the social economic expectations of the surrounding community.

The proposal is to allow for a suitable employment ratio of local community members and any additional measures that will enable future local community upliftment.

- c) The main contractor is required to familiarise himself with the community and local authority to ascertain for himself the full extent of the community's requirements and minimum wages.
- d) The contractor shall appoint a community liaison officer and shall be responsible for all community negotiations etc.

## T2.1.21 CONTRACTOR'S HEALTH AND SAFETY DECLARATION

In terms of Clause 5(1)(h) of the OHS Act 1993 Construction Regulations 2014 (referred to as "the Regulations" hereafter), a Contractor may only be appointed to perform construction work if the Employer is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the OHS Act 1993 Construction Regulations 2014.

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

### Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the OHS Act 1993 Construction Regulations 2014.
2. I hereby declare that my company / enterprise has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide a sufficiently documented Health and Safety Plan in accordance with Regulation 5(1) of the Construction Regulations, approved by the Employer or his representative, before I could be allowed to commence with construction work under the contract. I hereby agree that my company/enterprise will not have a claim for compensation for delay or extension of time because of my failure to obtain the necessary approval for the said safety plan.
4. I confirm that copies of my company's approved Health and Safety Plan, the Employer's Safety Specifications as well as the OHS Act 1993 Construction Regulations 2014 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Employer's personnel, the Engineer, visitors, and officials and inspectors of the Department of Labour.
5. I hereby confirm that adequate provision has been made in my tendered rates and prices in the bill of quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the OHS Act 1993 Construction Regulations 2014, including the cost for specific items that may be scheduled in the bill of quantities.
6. I hereby confirm that I will be liable for any penalties that may be applied by the Employer in terms of the said Regulations for failure on my part to comply with the provisions of the Act and the Regulations as set out in Regulation 33 of the Regulations.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the OHS Act 1993 Construction Regulations 2014, and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer.
8. I am aware of the fact that, should I be awarded the contract, I must submit the notification required in terms of Regulation 4 of the OHS Act 1993 Construction Regulations 2014 (*example attached hereafter*) before I could be allowed to proceed with any work under the contract.

SIGNATURE: \_\_\_\_\_

IDENTITY NUMBER: \_\_\_\_\_

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

DATE: \_\_\_\_\_

**T2.2.1 EVALUATION SCHEDULE: SAFETY HEALTH ENVIRONMENTAL AND QUALITY MANAGEMENT SYSTEM (SHEQ) PLAN**

*Attached hereto are my / our SHEQ Plan, all in compliance with the Health and Safety Specification – Annexure A or Letter of Undertaking from a Qualified OHS Consultant.*

**(PLEASE ATTACHED HERE)**

**T2.2.2 EVALUATION SCHEDULE: PROJECT EXPERIENCE**

The Tenderer shall provide details of his relevant experience on similar large-scale projects completed in the past 10 years. In support tenderers are to complete the “Project Experience” schedule below and attach thereto copies of (a) Letters of Appointment, and (b) the relevant Completion Certificates (i.e practical completion, work completion & final completion)

PROJECT NAME and CLIENT	BRIEF PROJECT DESCRIPTION	PROJECT VALUE (Incl VAT)	START DATE	COMPLETION DATE
A. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
B. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
C. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

PROJECT NAME and CLIENT	BRIEF PROJECT DESCRIPTION	PROJECT VALUE (Incl VAT)	START DATE	COMPLETION DATE
D. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
E. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
F. _____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

**T2.2.3 EVALUATION SCHEDULE: LETTERS OF APPOINTMENT, AND RELEVANT COMPLETION CERTIFICATES (PRACTICAL COMPLETION, WORK COMPLETION & FINAL COMPLETION)**

*Tenderer is to attach all letter of appointment and completion certificate corresponding to the project listed in T1.2*

## T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule OR The tenderer shall provide contactable reference letter/s in the same format as this form (T2.2.4) to measure performance, the letter must be signed and dated by client.

### REPORT ON CONTRACTOR’S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be completed by the Client and Principal Agent and is to be supported in each case by a letter of award and the works completion certificate. (*Only completed Projects shall be considered*)

<b>PROJECT NAME A:</b>
------------------------

**Principal Agent:** .....

**Client:** .....

**Contract Amount:** .....

**Contract Duration:** .....

**Actual Contract Duration:** .....

Description / Performance	Not Acceptable	Poor (1 points)	Satisfactory (3 points)	Good (4 points)	Very Good (5 points)
Project Performance / Time Management – Project completed before contractual period (time)					
Project Performance / Time Management - Project completed on contractual period (time)					
Quality of site management					
Quality of workmanship					
Quality of materials					
Financial Management – Cashflow Management					
Financial Management – Payment of Subcontractors					
Financial Management – Payment of labour force					
Financial Management – Procurement of Materials					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

**Principal Agent Firm:** .....

**Telephone:** .....

**PA / Client Signature:** ..... **Date:** .....

Stamp
-------

## T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule OR The tenderer shall provide contactable reference letter/s in the same format as this form (T2.2.4) to measure performance, the letter must be signed and dated by client

### REPORT ON CONTRACTOR’S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be completed by the Client and Principal Agent and is to be supported in each case by a letter of award and the works completion certificate. (*Only completed Projects shall be considered*)

**PROJECT NAME B:** \_\_\_\_\_

**Principal agent:** .....

**Client:** .....

**Contract Amount:** .....

**Contract Duration:** .....

**Actual Contract Duration:** .....

Description / Performance	Not Acceptable	Poor	Satisfactory	Good	Very Good
Project Performance / Time Management – Project completed before contractual period (time)					
Project Performance / Time Management - Project completed on contractual period (time)					
Quality of site management					
Quality of workmanship					
Quality of materials					
Financial Management – Cashflow Management					
Financial Management – Payment of Subcontractors					
Financial Management – Payment of labour force					
Financial Management – Procurement of Materials					

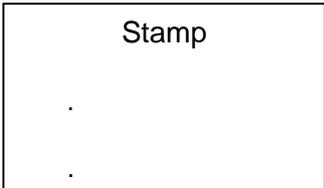
Any other remarks considered necessary to assist in evaluation of the contractor?

.....

**Principal Agent Firm:** .....

**Telephone:** .....

**PA / Client Signature:** ..... **Date:** .....



## T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

The Tenderer shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Client Reference Scorecards" will be completed by each of the respective Clients for the projects listed in the "Relevant Experience" returnable schedule OR The tenderer shall provide contactable reference letter/s in the same format as this form (T2.2.4) to measure performance, the letter must be signed and dated by client.

### REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES

The following are to be completed by the Client and Principal Agent and is to be supported in each case by a letter of award and the works completion certificate. (*Only completed Projects shall be considered*)

**PROJECT NAME C:**

Principal Agent: .....

Client: .....

Contract Amount: .....

Contract Duration: .....

Actual Contract Duration: .....

Description / Performance	Not Acceptable	Poor	Satisfactory	Good	Very Good
Project Performance / Time Management – Project completed before contractual period (time)					
Project Performance / Time Management - Project completed on contractual period (time)					
Quality of site management					
Quality of workmanship					
Quality of materials					
Financial Management – Cashflow Management					
Financial Management – Payment of Subcontractors					
Financial Management – Payment of labour force					
Financial Management – Procurement of Materials					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

Principal Agent Firm: .....

Telephone: .....

PA / Client Signature: ..... Date: .....

Stamp

·

·

**T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES**

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule OR The tenderer shall provide contactable reference letter/s in the same format as this form (T2.2.4) to measure performance, the letter must be signed and dated by client

**REPORT ON CONTRACTOR’S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES**

The following are to be completed by the Client and Principal Agent and is to be supported in each case by a letter of award and the works completion certificate. (*Only completed Projects shall be considered*)

**PROJECT NAME D:**

Principal agent: .....

Client: .....

Contract Amount: .....

Contract Duration: .....

Actual Contract Duration: .....

Description / Performance	Not Acceptable	Poor	Satisfactory	Good	Very Good
Project Performance / Time Management – Project completed before contractual period (time)					
Project Performance / Time Management - Project completed on contractual period (time)					
Quality of site management					
Quality of workmanship					
Quality of materials					
Financial Management – Cashflow Management					
Financial Management – Payment of Subcontractors					
Financial Management – Payment of labour force					
Financial Management – Procurement of Materials					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

Principal Agent Firm: .....

Telephone: .....

PA / Client Signature: ..... Date:.....

Stamp

**T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES**

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule OR The tenderer shall provide contactable reference letter/s in the same format as this form (T2.2.4) to measure performance, the letter must be signed and dated by client

**REPORT ON CONTRACTOR’S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR TENDER RECOMMENDATION PURPOSES**

The following are to be completed by the Client and Principal Agent and is to be supported in each case by a letter of award and the works completion certificate. (*Only completed Projects shall be considered*)

**PROJECT NAME E:**

Principal agent: .....

Client: .....

Contract Amount: .....

Contract Duration: .....

Actual Contract Duration: .....

Description / Performance	Not Acceptable	Poor	Satisfactory	Good	Very Good
Project Performance / Time Management – Project completed before contractual period (time)					
Project Performance / Time Management - Project completed on contractual period (time)					
Quality of site management					
Quality of workmanship					
Quality of materials					
Financial Management – Cashflow Management					
Financial Management – Payment of Subcontractors					
Financial Management – Payment of labour force					
Financial Management – Procurement of Materials					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

Principal Agent Firm: .....

Telephone: .....

PA / Client Signature: ..... Date: .....



**T2.2.5 EVALUATION SCHEDULE: KEY PERSONNEL**

In terms of the Project Specification and the Conditions of Tender, unskilled workers may only be brought in from outside the local community if such personnel are not available locally.

The Tenderer shall list below the personnel that he intends to utilize on the Works, including key personnel that may have to be brought in from outside if not available locally.

CATEGORY OF EMPLOYEE	NUMBER OF PERSONS					
	KEY PERSONNEL, PART OF THE CONTRACTOR'S ORGANISATION		KEY PERSONNEL TO BE IMPORTED IF NOT AVAILABLE LOCALLY		UNSKILLED PERSONNEL TO BE RECRUITED FROM LOCAL COMMUNITY	
	HDI	NON-HDI	HDI	NON-HDI	HDI	NON-HDI
Construction Manager, Site Agent, Project Managers						
Foremen, Quality Control and Safety Personnel						
Technicians, Surveyors, etc						
Artisans and other Skilled workers						
Plant Operators						
Others: .....						
.....						
.....						
.....						
.....						

The Tenderer is referred to Clause F.2.1.1.2 of the Tender Data and shall insert in the spaces provided on the following pages details of the key personnel required to be in the employment of the tenderer or other organization, in order for the tenderer to be eligible to submit a tender for this project. Proof of professional registration must be appended to these schedules, together with the Curriculum Vitae of each individual.

SIGNATURE: ..... IDENTITY NUMBER: .....

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

DATE: .....

**EVALUATION SCHEDULE: CURRICULUM VITAE OF KEY PERSONNEL  
(COMPULSORY)**

*(CVs are required only for site agent, contract or project manager and technician and foreman)*

**CV FOR CONTRACTS OR PROJECT MANAGER**

<b>Name:</b>		<b>Date of birth:</b>
<b>Profession:</b>		<b>Nationality:</b>
<b>Qualifications:</b>		
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Name of Employer (firm):</b>		
<b>Current position:</b>		<b>Years of Experience:</b>
<b><u>Employment Record:</u></b>		
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.....		
<b><u>Experience Record Pertinent to Required Service:</u></b>		
.....		
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.....		

**Certification:**

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

SIGNATURE: ..... IDENTITY NUMBER: .....

*(of person authorised to sign on behalf of the Tenderer)*  
**(OWNER OF THE CV)**

DATE: .....

**EVALUATION SCHEDULE: CV FOR SITE AGENT**

<b>Name:</b>		<b>Date of birth:</b>
<b>Profession:</b>		<b>Nationality:</b>
<b>Qualifications:</b>		
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Name of Employer (firm):</b>		
<b>Current position:</b>		<b>Years of Experience:</b>
<b><u>Employment Record:</u></b>		
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<b><u>Experience Record Pertinent to Required Service:</u></b>		
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**Certification:**

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....  
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....  
DATE

.....  
INCUMBANT'S IDENTITY NUMBER (why different from the above)

**EVALUATION SCHEDULE: CV FOR FOREMAN**

<b>Name:</b>		<b>Date of birth:</b>
<b>Profession:</b>		<b>Nationality:</b>
<b>Qualifications:</b>		
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Name of Employer (firm):</b>		
<b>Current position:</b>		<b>Years of Experience:</b>
<b><u>Employment Record:</u></b>		
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<b><u>Experience Record Pertinent to Required Service:</u></b>		
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**Certification:**

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....  
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....  
DATE

.....  
INCUMBANT'S IDENTITY NUMBER

**EVALUATION SCHEDULE: CV FOR HEALTH AND SAFETY OFFICER**

<b>Name:</b>		<b>Date of birth:</b>
<b>Profession:</b>		<b>Nationality:</b>
<b>Qualifications:</b>		
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Professional Body:</b>	<b>Category of Registration:</b>	<b>Registration Number:</b>
<b>Name of Employer (firm):</b>		
<b>Current position:</b>		<b>Years of Experience:</b>
<b><u>Employment Record:</u></b>		
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<b><u>Experience Record Pertinent to Required Service:</u></b>		
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**Certification:**

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....  
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....  
DATE

.....  
INCUMBANT'S IDENTITY NUMBER



## **PART C1 : AGREEMENT AND CONTRACT DATA**

**C1.1 Form of Offer and Acceptance**

**C1.2 Contract Data**

**C1.3 Form of Guarantee (Pro Forma as per specific contract)**

**C1.4 Adjudicators Agreement**

## **C1.1 FORM OF OFFER AND ACCEPTANCE**

## **C1.1 Form of Offer and Acceptance**

### ***A. Offer [Failure of a Tenderer to sign this form will invalidate the tender]***

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

**BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE – BID NUMBER: DOE13NWER008**

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

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

**The offered total of the prices inclusive of Value Added Tax is: R.....**

**Amount in Words:**

.....  
.....

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

..... SIGNATURE(S) OF AUTHORISED BIDDERS(S)	
NAME:	.....
CAPACITY:	.....
DATE:	.....
ADDRESS	..... ..... .....
CONTACT	.....

WITNESSES	
3.	.....
4.	.....

**B. ACCEPTANCE**

By signing this part of the Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract are contained in

- Part C1 Agreements and Contract Data (which includes this Agreement)
- Part C2 Pricing Data, including the Schedule of Quantities
- Part C3 Scope of Work

and the schedules, forms, drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representatives of both parties.

The Tenderer shall deliver the Guarantee in terms of Clause 7 of the General Conditions of Contract 2004 within the period stated in the Contract Data, and he shall, immediately after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any other bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data, within 14 days of the date on which this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

Signature ..... Date .....

Name .....

Capacity .....

**for the Employer** Independent Development trust

**4071 Joules Street  
Industrial Site  
Mahikeng  
2745**

Name and Signature  
Of witness .....

Date .....

### C. SCHEDULE OF DEVIATIONS

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

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

1 Subject .....

Details .....

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2 Subject .....

Details .....

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3 Subject .....

Details .....

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4 Subject .....

Details .....

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5 Subject .....

Details .....

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## **C1.2 CONTRACT DATA**

## INDEPENDENT DEVELOPMENT TRUST

### **BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. C1.2 Contract Data for BID NO: DOE13NWER008**

The Conditions of Contract are clauses of the **JBCC Series 2000 Principal Building Agreement (Edition 6.2)** published by the Joint Building Contracts Committee together with IDT's Special Conditions of Contract.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011 315-4140), Master Builders Association (011 205-9000; 057 352-6269) South African Association of Consulting Engineers (011 463-2022) or South African Institute of Architects (051 447-4909; 011 486-0684; 053 831-2003;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. Should there be any contradictions between the **Contract Data** and the JBCC Principal Building Agreement, the Contract Data shall take precedence.

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

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023.

The contractor shall achieve in the performance of the 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 Gazette Notice No.36190 of 25 February 2013

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

Clause	Amendments
1.0	<p><b>DEFINITIONS AND INTERPRETATION</b></p> <p>Clause 1.1 is deemed to be amended by the addition and amendments of the following:</p> <p>Change the Definition of "<b>AGREEMENT</b>" to read as follows: This <b>JBCC</b> Principal Building Agreement, the <b>contractor's</b> tender document accepted by the <b>employer</b>, the form of offer signed by the <b>contractor</b>, <b>special conditions of contract</b>, <b>contract data</b> and other <b>contract documents</b>.</p> <p>The completed <b>JBCC®</b> Principal Building Agreement and <b>JBCC® contract data</b>, the <b>contract drawings</b>, the <b>priced document</b> and any other documents reduced to writing and signed by the authorised representatives of the <b>parties</b></p> <p>Change the Definition of "<b>BILLS OF QUANTITIES</b>" to read as follows: The document drawn up in accordance with the pricing instructions contained in the pricing data.</p> <p>Change the Definition of "<b>CONSTRUCTION PERIOD</b>" to read as follows: The period commencing on the intended date [CD] of possession of the <b>site</b> by the <b>contractor</b> and ending on the date of <b>practical completion</b></p> <p>Change the Definition of "<b>CONTRACT DOCUMENTS</b>" to read as follows: The <b>agreement</b> and all documents referenced therein. The <b>contract documents</b> shall be taken to be mutually explanatory of one another but in the event of ambiguity, discrepancy, divergence or inconsistency in or between them, the <b>Contract Data</b> shall prevail over all other <b>contract documents</b> <b>The above has been removed from 6.2, due to the agreement definition which now includes contract document</b></p> <p>Change the definition of "<b>PAYMENT CERTIFICATE</b>" to read as follows: A certificate prepared at regular agreed intervals by the principal agent to the contractor certifying the value of work done and verified by the employer for payment, delivered to the employer and properly recorded on delivery, and the certificate will only become due and payable once the employer has verified and signed the certificate. Note: The employer reserves the right to withhold or reject the certificate within ten (10) working days should there be a reason to do so, and the contractor may resort to the dispute resolution process should the rejection fails to be resolved.</p> <p>Change the Definition of "<b>PRACTICAL COMPLETION</b>" to read as follows: The stage of completion where the <b>works</b> or a section thereof, in the opinion of the <b>principal agent</b>, has been reached in accordance with C28 &amp; C29 this is a different clause of the specific preliminaries and where the work on the <b>practical completion</b> list (and patent's list if applicable) has been completed and free of latent defects other than minor defects identified in the list for completion and can be used for the intended purpose and certified as complete by the <b>principal agent</b>.</p> <p>Change the Definition of "<b>CONTRACT DRAWINGS</b>" to read as follows: The drawings listed in the Scope of Works.</p> <p>Change the Definition of "<b>CONTRACT SUM</b>" to read as follows: The total of prices in the Form of Offer and Acceptance.</p> <p>Change the Definition of "<b>INTEREST</b>" to read as follows: The interest rates applicable to this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).</p> <p>A monetary guarantee [CD] provided by the <b>employer</b> to the <b>contractor</b>, or vice versa, in terms of this <b>agreement</b> from which either <b>party</b> may recover expense and loss in the event of default</p> <p>Add the following to the list of definitions:</p>

Clause	Amendments
	<p><b>SCHEDULE</b> means the variables listed in the Contract Data.</p> <p><b>DATE OF SITE HANDOVER</b> means the date the contractor is given possession of the site, which shall always be after the signing of the agreement and approval of the construction permits from the relevant authorities including Departments of Labour and Environmental Affairs and local municipality (where applicable).</p> <p><b>EXCEPTIONALLY INCLEMENT WEATHER</b> means weather which is not only extreme or severe but exceeding that which, on the evidence of the past ten years, could reasonably be expected.</p> <p><b>TENANT LIST</b> means a list compiled by the tenant or in his absence the <b>principal agent</b> defining the incomplete or defective work to be rectified to achieve <b>practical completion</b>. Such list shall be scrutinised and endorsed by the <b>principal agent</b> and shall not be unreasonable in the context of his contract.</p> <p><b>CORRUPT PRACTICE</b> means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</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 practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p>
3.0	<p><b>OFFER AND ACCEPTANCE</b></p> <p>Clause 3.3 deleted and replaced with the following: -</p> <p style="padding-left: 40px;">3.3 This <b>agreement</b> shall come into force on the date of signature of the contract by the <b>employer</b> and after all statutory requirements have been met, and continue to be of force and effect until the end of the <b>latent defects</b> liability period notwithstanding termination or the certification and final payment [22.0;29.0;25.0]</p>
4.0	<p><b>CESSION AND ASSIGNMENT</b></p> <p>Clause 4.2 deleted and replaced with the following: -</p> <p><b>4.2.</b> The <b>Contractor</b> shall not consent to a nominated <b>Subcontractor</b> assigning or ceding rights or obligations in terms of this <b>agreement</b> without obtaining the prior written consent of the <b>Principal Agent</b> with written approval from the <b>Employer</b></p> <p>Clause 4.3 deleted and replaced with the following: -</p> <p><b>4.3.</b> Where the <b>Contractor</b> intend to cedes any right to monies due or to become due under this agreement as security in favour of a financial institution, a written consent in accordance with clause 4.1, shall be obtained from the <b>Employer</b> prior to entering into such cession.</p> <p>Clause 4.0 is amended by adding the following new clauses:</p> <p style="padding-left: 40px;">4.4 Any cession entered into without the necessary written consent from either party, shall be null and void.</p> <p style="padding-left: 40px;">4.5 The <b>Employer</b> shall not consent to a cession of monies due or to become due under this <b>agreement</b> as security in favour of a financial institution, unless such financial institution submitted to the IDT a Valid Tax Clearance Certificate, is registered as a credit provider in terms of the National Credit Act and as a vendor in the IDT's Vendor Management System and in line with the IDT's SCM processes.</p>

Clause	Amendments
	<p>4.6 The <b>contractor</b> shall adhere to the list of <b>subcontractors</b> indicated in the returnable schedules. Any changes to the <b>subcontractors</b> and their subcontract work shall be approved by the client in writing. The contractor shall not subcontract more than 25% of the works to <b>subcontractors</b> whose BEE status is less than his at the time of appointment. Failure to comply with this shall constitute a breach of contract.</p>
5.0	<p><b>CONTRACT DOCUMENTS</b></p> <p>Clause 5.1 deleted and replaced with the following: -</p> <p>5.1. The parties shall sign the original contract document and shall each be issued with the copy thereof. The original signed contract document shall be held by the <b>Employer</b>.</p> <p>Clause 5.6 deleted and replaced with the following: -</p> <p>5.6. The contract documents shall be deemed to be mutually explanatory of one another. In the event of ambiguity, discrepancy, divergence or inconsistency in or between them, the <b>Contract Data</b> shall prevail over all other contract documents.</p>
6.0	<p><b>EMPLOYER'S AGENTS</b></p> <p>Clause 6.1 deleted and replaced with the following: -</p> <p>6.1. The <b>Employer</b> warrants that the <b>Principal Agent</b> has authority and obligation to act and bind the <b>Employer</b> in terms of this agreement, subject to certain restrictions contained herein this document.</p> <p>Clause 6.4 deleted and replaced with the following: -</p> <p>6.4. Where any agent fails to act in terms of delegated authority, the <b>Contractor</b> shall give notice to the <b>Principal Agent</b> and the <b>Employer</b> to respond to such default within five (5) working days or any agreed period. Where such default has not been responded to within the specified or the agreed period, the <b>Contractor</b> may give not less than 10 working days' notice of intention to suspend the works [28.0].</p> <p>Clause 6.5 deleted and replaced with the following: -</p> <p>6.5 Where any agent fails to act or is unable to act, or ceases to be an agent, in terms of this agreement, the <b>Employer</b> shall appoint an interim agent within 10 working days from the date of the employer being aware of such event pending procurement of a replacement agent through normal employer's SCM processes.</p>
9.0	<p><b>INDEMITIES</b></p> <p>Clause 9.0 is amended by the addition of the following clause: -</p> <p>Clause 9.1.4. Physical loss or damage to an existing structure in the works that are the subject of the contract and to existing structures as well.</p> <p>Delete 9.2.7.</p> <p>Delete 9.2.10.</p>
10.0	<p><b>INSURANCES</b></p> <p>Clause 10.0 is amended by the addition of the following clauses to the end thereof:</p> <p>10.12 Damage to the works</p> <p>(a) Without any way limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the <b>employer</b> against any such damage. The <b>contractor</b> shall take such precautions and security measures and other steps for the protection and security of the <b>works</b> as the <b>contractor</b> may deem necessary.</p>

Clause	Amendments
	<p>(b) The <b>contractor</b> shall at all times proceed immediately to remove or dispose of any debris arising from damage or destruction of the <b>works</b> and to rebuild, restore, replace and/or repair the <b>works</b>.</p> <p>(c) Where the <b>employer</b> bears the risk in terms of this contract, the <b>contractor</b> shall, if requested to do so, reinstate any damage or destroyed portions of the <b>works</b> and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof.</p> <p>10.13 Injury to Persons or loss of or damage to Properties</p> <p>(d) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable</p> <p>(e) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or personal property or property contiguous to the <b>site</b>, whether belonging to or under the control of the <b>employer</b> or any other body or person, arising out of or in the course of or by reason of the execution of the <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable.</p> <p>(f) The <b>contractor</b> shall upon receiving a <b>contract instruction</b> from the <b>principal agent</b> cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the <b>employer</b> shall be entitled to cause it to be made good and to recover the cost therefore from the <b>contractor</b> or to deduct the same from amounts due to the <b>contractor</b>.</p> <p>(g) The <b>contractor</b> shall be responsible for the protection and safety of such portions of the premises placed under his control by the <b>employer</b> for the purpose of executing the <b>works</b> until the issue of the <b>certificate of practical completion</b>.</p> <p>(h) Where the execution of the <b>works</b> involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the <b>contractor</b> shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the <b>works</b> has been completed.</p> <p>(i) The <b>contractor</b> shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and / or repair such property and execute the <b>works</b>.</p> <p>10.14 High Risk Insurance</p> <p>In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions which might result in catastrophic ground movement evident by sinkhole or dolomite formation the following will apply:</p> <p>10.14.1 Damage to the works</p> <p>The <b>contractor</b> shall, from the <b>commencement date</b> of the <b>works</b> until the date of the <b>certificate of practical completion</b>, bear the full risk of and hereby indemnifies and hold harmless the <b>employer</b> against any damage to and/or destruction of the <b>works</b> consequent upon a catastrophic ground movement as mentioned above. The <b>contractor</b> shall take such precautions and security measures and other steps for the protection of the <b>works</b> as he may deem necessary.</p>

Clause	Amendments
	<p>When so instructed to do so by the <b>principal agent</b>, the <b>contractor</b> shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the <b>works</b> and to rebuild, replace and/or repair the <b>works</b>, at the <b>contractor's</b> own costs.</p> <p>10.14.2 Injury to persons or loss of or damage to property</p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies and holds harmless the <b>employer</b> against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.</p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or property contiguous to the <b>site</b>, whether belonging to or under the control of the <b>employer</b> or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of construction.</p> <p>10.14.3 It is the responsibility of the <b>contractor</b> to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.14.1 and 10.14.2. Without limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall, within twenty one (21) <b>calendar days</b> of the <b>commencement date</b> but before commencement of the <b>works</b> submit to the <b>employer</b> proof of such insurance policy, if requested to do so.</p> <p>10.14.4 The <b>employer</b> shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred subsequent upon the <b>contractor's</b> default of his obligations as set out in 10.14.1, 10.14.2 and 10.14.3. Such losses or damages may be recovered from the <b>contractor</b> or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the <b>employer</b> and the <b>contractor</b> and for this purpose all these contracts shall be considered on indivisible whole.</p>

Clause	Amendments
11.0	<p><b>SECURITY</b></p> <p>Delete clause 11.1.2. and replace with the following: -</p> <p>11.1.2. The <b>contractor</b> shall furnish the <b>employer</b> with a fixed <b>construction guarantee</b> equal in value to ten per cent (10%) of the <b>contract sum</b> within fifteen (15) <b>working days</b> from the offer of appointment <b>date</b> and keep such <b>security</b> valid and enforceable until the <b>final payment certificate</b> has been issued to the <b>contractor</b>).</p> <p><b>Or</b></p> <p>Delete clause 11.1.3. and replace with the following: -</p> <p>11.1.3 The <b>Contractor</b> shall furnish the <b>employer</b> with a fixed set of five per cent (5%) guarantee of the contract sum and a payment reduction of 5% of the value of each <b>payment certificate</b> up to a maximum of five per cent (5%) of the contract sum [25.3.3]. The <b>contractor</b> shall keep such <b>security</b> valid and enforceable until the <b>final payment certificate</b> has been issued. The <b>contractor</b> could release the retention at any stage of the contract by issuing a further construction guarantee of five percent (5%) of the <b>contract sum</b>.</p> <p>Amend clause 11.3 to read as following:</p> <p>11.3 Where a <b>contractor</b> fails to provide the <b>security</b> for projects of value less than R5 million, the <b>employer</b> may:</p> <p>Amend clause 11.3.1 to read as follows:</p> <p>11.3.1 Hand over the site to the <b>contractor</b> and withhold in interim <b>payment certificates</b> to the <b>contractor</b> an amount equal to ten percent (10%) of the <b>contract sum</b>. The amount withheld shall be reduced at <b>practical completion</b> [19.0] to five percent (5%) of the <b>contract sum</b> and to zero percent (0%) in the <b>final payment certificate</b> [25.6]</p> <p>Delete Clauses 11.1.4, 11.1.5, 11.2; 11.4; 11.5</p> <p>Delete 11.7 and replace with the following</p> <p>11.7. A security held by the employer shall be for the due fulfillment of the <b>contractor's</b> obligation in term of this <b>agreement</b></p> <p>Delete clause 11.10 and replace with the following</p> <p>11.10 The <b>Contractor</b> hereby waives, in favour of the <b>Employer</b>, any lien or right of retention that is or may be held in respect of the <b>Works</b> to be executed on the Site.</p> <p>Clause 11.0 is amended by adding the following new clauses:</p> <p>11.12 Within fifteen (15) <b>working days</b> of the date of <b>final completion</b> of the <b>works</b> the <b>employer</b> shall release all <b>construction guarantees</b> to the <b>contractor</b>.</p> <p><b>11.13</b> Where the <b>employer</b> has a right of recovery against the <b>contractor</b>, the <b>employer</b> may issue a written demand in terms of the <b>construction guarantee</b>.</p> <p><b>11.14</b> <b>Construction guarantees</b> shall only expire at <b>final completion</b> date.</p> <p>11.15 The <b>Employer</b>, as an Organ of State, shall not be required to provide payment guarantees</p>
12.0	<p><b>DUTIES OF THE PARTIES</b></p> <p>Delete clause 12.1.1</p> <p>Delete clause 12.1.10</p> <p>Clause 12.0 is further amended by adding the following clauses:</p>

Clause	Amendments
	<p>12.4 The <b>contractor</b> shall:</p> <p>12.4.1 Immediately on award of the contract and prior to the commencement on <b>site</b>, the <b>contractor</b> shall prepare a working <b>programme</b> covering the first month of the construction period. This working <b>programme</b> shall be prepared in conjunction with the <b>principal agent</b> and shall be subject to his approval.</p> <p>During the first month of the construction period the <b>contractor</b> shall prepare and draw up the <b>programme</b> for the balance of the <b>works</b> for approval by the <b>principal agent</b></p> <p>12.4.2 This <b>programme</b> shall be drawn up in accordance with the dates in the <b>agreement</b> for possession, sectional completion and <b>practical completion</b> and shall be in sufficient and approved detail to ensure control over the <b>works</b>.</p> <p><b>12.4.3</b> The <b>programme</b> shall be compiled based on the Critical Path Method of Programming with the critical activities clearly highlighted. It shall be compiled in such a way that logic is not constrained by resource limitations unless specifically approved by the <b>principal agent</b>.</p> <p><b>12.4.4</b> Documentation will not be available in complete detail at the commencement stage. However the <b>contractor</b>, in conjunction with the <b>principal agent</b>, shall progressively plan the <b>works</b> on provisional information available and with sufficient scope to include future detail without disrupting the basic logic initially approved by the <b>principal agent</b>.</p> <p>The quantities contained in these <b>bills of quantities</b> are provisional and shall be utilized as a guide only for the drawing up of the <b>programme</b>.</p> <p>Where assumptions are made in regard to programming aspects, such assumptions shall be recorded in the <b>programme</b>.</p> <p>12.4.5 The <b>programme</b> shall be updated and modified to accommodate a material change in circumstances or whenever reasonably required by the <b>principal agent</b>.</p> <p>Any acceleration and/or special measures sanctioned by the <b>principal agent</b> together with associated effects shall be incorporated in a revision to the <b>programme</b>.</p> <p>12.4.6 The <b>programme</b> (including each revision thereof) shall be prepared in conjunction with the <b>principal agent</b> and shall be subject to his approval. The approval of the <b>principal agent</b> shall be deemed to be given on the basis that the <b>contractor</b> represents that the <b>programme</b> complies with the requirements of this <b>agreement</b>.</p> <p>The <b>contractor</b> shall be responsible at all times for maintaining the accuracy, validity and reasonableness of the <b>programme</b> and the implementation thereof. The fact that a <b>programme</b> has been prepared in conjunction with the <b>principal agent</b> or approved by him shall not release or relieve the <b>contractor</b> from any of his obligations or responsibilities under this <b>agreement</b>. Without derogating from the foregoing, the <b>contractor</b> shall at all times bear the onus to demonstrate that the <b>programme</b> complies with the requirement of this <b>agreement</b> and, where applicable constitute an appropriate baseline <b>programme</b> for any purpose in connection with this <b>agreement</b>.</p> <p>12.4.7 The <b>contractor</b> and the <b>principal agent</b> shall, at regular intervals not exceeding one month, assess the state of progress of the <b>works</b> relative to the latest agreed revision of the <b>programme</b>. Such agreement shall include the recording of actual commencement and completion dates for each activity and shall constitute the official record of the progress at such point in time.</p> <p>12.4.7 The contractor shall comply with his tendered subcontractors as stipulated in clause 4.6.</p> <p>12.5 The contractor shall not remove, cut back or disturb trees and shrubs without a contract instruction from the principal agent. (Specific requirements of the employer must be described)</p> <p>The contractor shall ensure that any relics, treasure or other articles of potential value found on the site remain the property of the employer and shall be handed over to the principal agent who shall be the sole arbiter of what is an article of value.</p>

Clause	Amendments
14.0	<p><b>NOMINATED SUBCONTRACTORS</b></p> <p>Delete clause 14.1 and replace with the following</p> <p>14.1 The <b>principal agent</b> and/or <b>agents</b>, on written instruction from the <b>employer</b>, shall:</p> <p>Delete clause 14.1.5</p> <p>Amend clause 14.3 to read as follows: -</p> <p>14.3 Where such <b>subcontractor</b> is not appointed by the <b>contractor</b> for the reasons stated (14.2), or where the appointment of a <b>subcontractor</b> has been terminated, another <b>subcontractor</b> shall be nominated and be appointed on instruction from the <b>principal agent</b> on written instruction from the <b>employer</b>.</p> <p>Amend clause 14.7.1 to read as follows: -</p> <p>The <b>principal agent</b>, on written instruction from the <b>employer</b>, shall instruct the <b>contractor</b> to appoint another nominated <b>subcontractor</b> (14.1.4) to complete the n/s subcontract works.</p>
15.0	<p><b>SELECTED SUBCONTRACTORS</b></p> <p>Amend clause 15.1 to read as follows: -</p> <p>The <b>principal agent</b> and/or <b>agents</b>, on written instruction from the <b>employer</b>, shall:</p> <p>Clause 15.1.2 deleted and replaced with:</p> <p>15.1.2. Call for tenders from a list of tenderers agreed between the <b>contractor</b>, the <b>principal agent</b> and the <b>employer</b></p> <p>15.1.5. Delete</p> <p>Amend clause 15.4 to read as follows: -</p> <p>15.4. Where such <b>subcontractor</b> is not appointed by the <b>contractor</b> for the reasons stated (15.3), or where the appointment of a <b>subcontractor</b> has been terminated, another <b>subcontractor</b> shall be chosen and be appointed on instruction from the <b>principal agent</b> on written instruction from the <b>employer</b>.</p> <p>Amend clause 15.7.1 to read as follows: -</p> <p>15.7.1 The <b>contractor</b> shall appoint another selected <b>subcontractor</b> (15.1.4) to complete the n/s subcontract <b>works</b> in consultation with <b>principal agent</b> and/<b>agents</b> on written instruction from the <b>employer</b></p>
16.0	<p>Amend clause 16.1.1 by adding the following sub-clause:</p> <p>6.1.1.1 The employer will appoint direct contractors for the following direct contract work and the contractor shall be expected to accommodate them in his planning and execution of work:</p> <p>a) .....</p> <p>b) .....</p>

Clause	Amendments
17.0	<p><b>CONTRACT INSTRUCTIONS</b></p> <p>Amend Clause 17.0 by adding the following sub clauses under clause 17.1.2</p> <p>The word “substantially” in the main clause above is qualified by the following four sub clauses:</p> <p>17.1.2.1 Quantity as per line item in fixed Bill of Quantity of more than 5%.</p> <p>17.1.2.2. Variation in standards that result in rate adjustment within the BOQ of more than 5%</p> <p>17.1.2.3. Variation in the design that varies the contract sum by more than 5%</p> <p>17.1.2.4. Should any of the clauses 17.1.2.1-3 be triggered the employer must be notified within 24 hour of becoming aware of the change in writing. The 5% variance includes the exceeding or reduction of the amount as stated above.</p> <p>Amend clause 17.1.13 to read as follow:</p> <p>17.1.13 Expenditure of budgetary allowances, prime cost amount and provisional sums will only be allowed with the express, explicit and unique written consent of the employer.</p>
19.0	<p><b>PRACTICAL COMPLETION</b></p> <p>Amend Clause 19.0 by adding the following clauses:</p> <p>19.4.1. In the event of failure as contemplated in the main clause, The employer reserves the right to issue a practical completion list in excess of the principal agent list or in replacement thereof.</p> <p>19.4.2. No default Practical completion will be deemed to be given, in light of sub clause 19.4.1</p> <p>19.8 Without derogating from the generality of the requirements for <b>practical completion</b> the following specific requirements shall apply:</p> <p>19.8.1 <b>Defects</b> occurring after the issue of the <b>practical completion</b> list requiring remedial work that will, in the opinion of the <b>principal agent</b>, cause disruption, will cause the issue of the certificate of <b>practical completion</b> to be withheld until such <b>defects</b> have been rectified to the satisfaction of the <b>principal agent</b>.</p> <p>19.8.2 The following certificates of compliance shall be required (excluding others that may be required by the local/national authority) from the contractor to achieve <b>practical completion</b> and completion certificate shall be invalid if one of them is missing:</p> <ol style="list-style-type: none"> <li>a) A certificate from the <b>contractor</b> that all aspects of the construction regulations of 2003 have been complied with.</li> <li>b) A certificate from the <b>contractor</b> that the National Building Regulations have been complied with</li> <li>c) An occupancy certificate</li> <li>d) occupational Health and Safety certificate</li> <li>e) A certificate of compliance with respect to plumbing and drainage</li> <li>f) An electrical certificate of compliance</li> <li>g) A certificate of compliance with respect to all glazing</li> <li>h) A certificate of compliance and fire clearance certificate from the contractor and fire chief respectively.</li> <li>i) A galvanizing and painting guarantee.</li> <li>j) All mechanical certificate of compliance.</li> <li>k) All structural certificate of compliance.</li> <li>l) A palisade certificate of compliance.</li> <li>m) A smoke extraction certificate of compliance.</li> <li>n) A fire signage certificate of compliance.</li> <li>o) A tiling certificate of compliance.</li> <li>p) A waterproofing certificate of compliance.</li> <li>q) A generator guarantee.</li> <li>r) Commissioning reports</li> <li>s) Maintenance and operational manuals</li> </ol>

Clause	Amendments
	<p style="text-align: center;">t) Training of end users on equipment, etc. u) Any other applicable guarantees.</p> <p>19.8.3 A complete set of maintenance and operating manuals together with all workmanship and material warranties and guarantees are to be compiled and issued to the <b>principal agent</b> prior to <b>practical completion</b> being granted. In addition to the abovementioned documentation, a formal "on site" handover will be required to be conducted with every discipline in the presence of the <b>contractor</b> as well as the applicable services subcontractor.</p> <p>Delete Clause 19.6 and replace with the following clauses:</p> <p>19.6 Notwithstanding anything to the contrary contained in the contract, should the <b>contractor</b> in the opinion of the <b>principal agent</b> not have achieved <b>practical completion</b> of any area of the <b>works</b>, the <b>employer</b> may, notwithstanding the <b>contractor's</b> ongoing responsibilities, take possession of any such area and such possession by the <b>employer</b> shall not in any way be construed that <b>practical completion</b> has been achieved.</p> <p>In such event, the <b>principal agent</b> shall give written notice to the <b>contractor</b> that the <b>employer</b> is taking immediate possession of any particular area/s without <b>practical completion</b> having been achieved in order to mitigate the <b>employer's</b> damages and exposure to loss or expense.</p> <p>19.6.1 In the event of the <b>Employer</b> taking occupation of the <b>works</b> or part thereof prior to <b>practical completion</b> being achieved, but on or after the date for <b>practical completion</b>, the <b>employer</b> shall:</p> <p style="padding-left: 40px;">(a) Have the <b>principal agent</b> issue a <b>practical completion</b> list(s) prior to such occupation</p> <p style="padding-left: 40px;">(b) Grant the <b>contractor</b> thereafter all reasonable access to expeditiously attend to the items on the <b>practical completion</b> list(s)</p> <p>Add clause 19.9 to Clause 19.0 to read as follows:</p> <p>19.8 After the issue of the <b>certificate of practical completion</b>, entry upon the <b>works</b> to make good <b>defects</b> shall be at such reasonable times as shall be agreed by the <b>principal agent</b>.</p> <p>The <b>contractor</b> shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims of loss of profit shall not be entertained.</p>
22.0	<p><b>LATENT DEFECT LIABILITY PERIOD</b></p> <p>Amend Clause 22.1 to read as follow:</p> <p>22.1 The latent defect liability period for the works shall commence at the start of the construction period and end 10 years from the certified date of final completion.</p> <p>Amend 22.2.1 to read as follow:</p> <p>22.2.1 Where termination of this agreement occurs before the date of final completion, the latent defect liability period shall end 10 Years from the date of termination (29.10; 29.23) for the completed portion of the works only.</p> <p>Delete clause 22.2</p>

Clause	Amendments
23.0	<p><b>REVISION OF THE DATE FOR PRACTICAL COMPLETION</b></p> <p>Amend 23.2 to read as follow:</p> <p>23.2 The <b>contractor</b> is entitled to a revision of the date for <b>practical completion</b> with an adjustment of the <b>contract value</b> (26.0) by the <b>principal agent</b> subject to a written approval from the <b>employer</b>, for a delay to <b>practical completion</b> caused by one or more of the following events: -</p> <p>Amend 23.7 to read as follow:</p> <p>23.7. The <b>principal agent</b> shall, within twenty (20) working days of receipt of the claim, with the written consent of the <b>employer</b>, grant in full, reduce, refuse the working days claimed, and:</p>
25.0	<p><b>PAYMENT</b></p> <p>Amend 25.1. to read as follow:</p> <p>25.1 The <b>contractor</b> shall cooperate with and assists the <b>employer</b> and <b>Principal agent</b> in the preparation of the cash flow statement and payment valuation by providing all required document and quantified amount of work duly executed. Where the contractor has not provided such information the <b>principal agent</b> shall make a fair estimate of the work executed.</p> <p>Amend Clause 25.0 by adding the following sub clauses under clause 25.1:</p>

Clause	Amendments
	<p>25.1.1. The <b>principal agent</b> shall prepare in full the <b>payment certificate</b> for signature and effect by the employer as stipulated in the contract. No <b>payment certificate</b> will be concluded and effected without the employer's authorized signature on the certificate.</p> <p>25.1.2. No <b>payment certificate</b> will be effected without the employer's authorized signature on the certificate.</p> <p>25.1.3 The <b>Employer</b> reserves the right to demand a valid Tax Clearance Certificate prior to making any payment to the <b>Contractor</b>, should it become aware that the tax clearance certificate has expired.</p> <p>25.1.4 The Contractor shall submit the valid Tax Clearance Certificate within fifteen (15) working days or any extended period, from the date of expiry of the Tax Clearance Certificate.</p> <p>Amend clause 25.4.4 to read as follows:  25.4.4 Default interest, where applicable, shall only be effective after the 30 calendar days from the date of submission of undisputed <b>payment certificate and Contractor Invoice</b> to the <b>employer</b> at the rate of repo rate plus 3%.</p> <p>25.4.5. Delete</p> <p>Amend 25.7 to read as follow:  25.7 The <b>Employer</b> shall, in accordance with clause 8.2.3 of the treasury regulation of March 2005, pay to the <b>Contractor</b> the amount certified in an interim <b>payment certificate</b> within <b>thirty (30) calendar days</b> from the date of submission of undisputed <b>payment certificate</b> to the <b>employer</b> after verification, unless there is an objection of the certificate by the employer. <i>The employer cannot reject a certificate once the employer signs it.</i></p> <p>Amend Clause 25.9 by adding the following sub clauses:  25.9.1 The <b>employer</b> shall only be liable for the payment for materials and/or goods on site if ownership is proven by the <b>contractor</b> (paid in full) and such ownership shall pass on to the <b>employer</b> upon payment.  25.9.2 The <b>employer</b> shall only be liable for the payment for materials and/or goods offsite if ownership is proven by the <b>contractor</b> (paid in full) and the <b>contractor</b> submits a bank guaranteed cheque of the value of materials and/or goods in favour of the client and such ownership shall pass on to the <b>employer</b> upon payment.</p>
26.0	<p><b>ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT</b></p> <p>Add the followings sub clauses to clause 26.1.</p> <p>26.1.1. Upon receipt of the change request, the <b>Principal Agent</b> must professionally consider the merits of the change request and make a recommendation to the <b>employer</b>.</p> <p>26.1.2. The <b>Principal Agent</b> shall not have the power to approve any deviation or variation which has financial implications on the <b>Employer</b> without the necessary written approval of the <b>Employer</b>, except under emergency circumstances wherein failure to undertake the work may result in loss of life.</p>

Clause	Amendments
	<p>26.1.3. The <b>Employer</b> must communicate the approval of the change request in writing to the <b>Principal Agent</b> and the <b>Principal Agent</b> shall, upon receipt of confirmation of the change request, issue the necessary <b>Contract Instruction</b> to the <b>contractor</b> to undertake the works.</p> <p>26.1.4. The <b>Contractor</b> shall not commence with any change request Works without proof of the written approval of the Variation Order from the <b>Employer</b>, except under circumstances mentioned in paragraph 26.1.2 above.</p> <p>26.1.5 Should the <b>Contractor</b> undertakes the change request Works without the necessary written approval of the change request from the <b>Employer</b>, the <b>Contractor</b> shall be entirely liable for any financial and any related implications and hereby indemnify and hold harmless the <b>Employer</b> from and against any and all claims, actions, damages, liabilities, injuries, costs, fees, expenses, or losses, including and without limitation, reasonable attorney's fees and costs of investigation and litigation, whatsoever which may be incurred by, or for which liability may be asserted against, the <b>Employer</b> arising out of the Contractor's performance or non-performance of unauthorized works, but only to the extent caused by the negligent acts, errors or omissions of the <b>Contractor</b>.</p> <p>26.1.6. The <b>Contractor</b> shall not accept any instructions from any party, including beneficiary Department, other than the <b>Principal Agent</b>.</p> <p>Amend clause 26.7 to read as follow:  26.7 The <b>principal agent</b>, in consultation with the employer, shall assess the claim and on approval by the <b>employer</b>, shall adjust the contract value within twenty (20) working days of receipt of such details.</p>
27.0	<p><b>RECOVERY OF EXPENSE AND/OR LOSS</b></p> <p>27.1.4. Delete</p>
28.0	<p><b>SUSPENSION BY THE CONTRACTOR</b></p> <p>Amend clause 28.1. to read as follow:  28.1 The <b>contractor</b> may give fourteen (14) Working days' notice to the employer and the <b>principal agent</b> of the intention to suspend the works where the <b>employer</b> and the <b>principal agent</b> have failed to:</p> <p>Add the followings clause to clause 28.0:  28.5. The date of resumption of works shall be the date on which the default has been remedied by the <b>employer</b>.</p>

Clause	Amendments
29.0	<p><b>TERMINATION</b></p> <p>Clause 29.1.1 is amended by the addition of the following sub-clauses:</p> <p>29.1.1a The <b>contractor</b> refuses or neglects to comply strictly with any of the conditions of contract.</p> <p>29.1.1b The <b>contractor's</b> estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.</p> <p>29.1.1c The <b>contractor</b>, in the judgment of the <b>employer</b>, has engaged in <b>corrupt or fraudulent practices</b> in competing for or in executing the contract.</p> <p>29.1.1d The <b>contractor</b> fails to perform in terms of the <b>agreement</b> or the <b>employer</b> on reasonable ground believe that the <b>contractor</b> may not be able to comply with his obligation.</p> <p>Amend 29.10 to read as follow:</p> <p>29.10 The latent defect liability period for the completed portion of the works shall end (22.2.1) 10 years from the date of termination.</p> <p>Amend 29.23 to read as follow:  29.23 The latent defect liability period for the completed portion of works shall end 10 years from the dateof termination (22.2.2).</p>
30.0	<p><b>DISPUTE RESOLUTION</b></p> <p>Delete clauses 30.3, 30.4, 30.5 and 30.6</p>

## Contract Agreement

Clause Number	Contract Agreement
41.0	<p><b>41.0 POST TENDER PROVISIONS</b></p> <p>41.1 All information provided in this section requires consultation with the <b>parties</b> to the <b>agreement</b>.</p> <p>41.2 The completed <b>Contract Data - Employer</b> and <b>Contractor data - Contractor</b> addenda and such other pertinent documents as listed below shall form part of this <b>agreement</b>:</p> <p>41.3 The dispute resolution body selected by the <b>parties</b> is:</p> <p style="text-align: center;"><b><u>THE ASSOCIATION OF SOUTH AFRICAN ARBITRATORS</u></b></p> <p>41.4 The <b>employer</b> shall provide a <b>Payment Guarantee</b>  <div style="display: flex; justify-content: space-between; align-items: center;"> <span>(amount)</span> <div style="border: 1px solid black; padding: 2px 20px;">N/A</div> </div> </p> <p>41.5 An annual building industry holiday period is applicable  <div style="display: flex; justify-content: space-between; align-items: center;"> <span>(yes/no)</span> <div style="border: 1px solid black; padding: 2px 20px;">YES</div> </div> </p> <p>41.6 Further provisions and information agreed by the parties:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
42.0	<p><b>42.0 CONTRACTUAL AGREEMENT</b></p> <p>42.1 This <b>agreement</b> is the entire (special conditions?) contract between the <b>parties</b> regarding the matters addressed herein. No representations, terms, conditions or warranties not contained in this <b>agreement</b> shall be binding on the <b>parties</b>. No agreement or addendum varying, adding to, deleting or terminating this <b>agreement</b> including this clause shall be effective unless reduced to writing and signed by the <b>parties</b>.</p> <p><b>42.2 Contracting Parties</b></p> <p>(1) <b>Employer</b> : <b>THE INDEPENDENT DEVELOPMENT TRUST</b></p> <p>Physical Address : North West Regional Office  4071 Joule Street  Industrial Site  Mmabatho,  2735</p> <p>Telephone : (018) 389 3000  Fax : (086) 656 4152  E-mail : permyk@idt.org.za</p> <p>TAX / Vat Registration no : 458 014 7876</p>

Clause Number	Contract Agreement								
	<p>(2) <b>Contractor</b> :</p> <p>Physical Address :</p> <p>Telephone :  Fax :  E-mail :</p> <p>TAX / Vat Registration no :</p> <p>42.3 The accepted contract sum (inclusive of tax)</p> <p style="text-align: right;">(amount) <input type="text"/></p> <p>(In words) _____  _____  _____</p> <p>42.4 Signature of the contracting <b>parties</b>:</p> <p>Thus done and signed at _____ on _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> _____  Name of signatory </td> <td style="width: 50%; border: none;"> _____  For and on behalf of the <b>employer</b> who  by signature hereof warrants  authorisation hereto </td> </tr> <tr> <td style="border: none;"> _____  Capacity of signatory </td> <td style="border: none;"> _____  As Witness (1) </td> </tr> </table> <p>Thus done and signed at _____ on _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> _____  Name of signatory </td> <td style="width: 50%; border: none;"> _____  For and on behalf of the <b>contractor</b> who  by signature hereof warrants  authorisation hereto </td> </tr> <tr> <td style="border: none;"> _____  Capacity of signatory </td> <td style="border: none;"> _____  As Witness (2) </td> </tr> </table>	_____ Name of signatory	_____ For and on behalf of the <b>employer</b> who by signature hereof warrants authorisation hereto	_____ Capacity of signatory	_____ As Witness (1)	_____ Name of signatory	_____ For and on behalf of the <b>contractor</b> who by signature hereof warrants authorisation hereto	_____ Capacity of signatory	_____ As Witness (2)
_____ Name of signatory	_____ For and on behalf of the <b>employer</b> who by signature hereof warrants authorisation hereto								
_____ Capacity of signatory	_____ As Witness (1)								
_____ Name of signatory	_____ For and on behalf of the <b>contractor</b> who by signature hereof warrants authorisation hereto								
_____ Capacity of signatory	_____ As Witness (2)								

Clause Number	Contract Agreement		
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Details of Witness (1)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Details of Witness (2)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p> </td> </tr> </table>	<p>Details of Witness (1)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p>	<p>Details of Witness (2)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p>
<p>Details of Witness (1)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p>	<p>Details of Witness (2)</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>_____</p>		

## **C1.2.1 Special Conditions of Contract**

### **INTRODUCTION**

**WHEREAS**, the Independent Development Trust (“IDT”) made an Offer of Appointment and the Contractor has accepted such appointment subject to the conditions stipulated in the aforesaid Offer of Appointment Letter, which conditions include signing of the JBCC Agreement, Edition 6.2 @ May 2018 (hereinafter referred to as “Main Agreement”) and the Contract Data.

**AND WHEREAS**, this Special Condition of Contract shall form part of the Main Agreement between the Employer and the Contractor.

#### **a) ADDITIONS TO THE MAIN AGREEMENT AND THE CONTRACT DATA**

##### **1.1 JOINT VENTURE AGREEMENT**

- 1.1.1** Should the Joint Venture Agreement be dissolved or any of the JV partner pull out the JV Agreement for any reasons whatsoever, the Employer hereby reserve its right to terminate the contract with immediate effect.
- 1.1.2** Should one JV partner pull out of the JV agreement and the replacement JV partner does not meet the BBBEE threshold stipulated in clause 5.4 of the Special Condition of the Principal Contract, the IDT shall be entitled to cancel the contract with immediate effect.
- 1.1.3** Should the BBBEE status of the Joint Venture be changed to a lower rate than the bidding rate, based on legislation applicable at the time of tender closing, the IDT shall be entitled to cancel the contract.

#### **b) SUBCONTRACTING**

- 1.1** A service provider awarded the contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher BBBEE status level than the person (service provider) concerned, unless the contract is subcontracted to an exempted micro enterprise that has the capability and ability to execute the sub-contract.
- 1.2** Service provider awarded the project shall subcontract not less than 15% of the contract value to Black-owned local firms with preferably women, youth and people with disability

#### **c) LOCAL ENTERPRISE**

Service provider awarded the project shall purchase at least 5% of the materials locally where available.

#### **d) TRAINING**

Service provider awarded the project may train local labour on life skills, on the job and accredited certification in e.g. plumbing etc.

#### **e) INSURANCES**

The contractor shall be responsible for effecting and maintaining the contract works insurance for the full duration of the contract period. The insured amount for the full scope of works shall be 100% of the contract amount. The insured amount shall include for alterations and renovations to existing buildings and shall not reduce in any way despite sectional; completion being taken.

#### **f) SITE AND ACCESS AND WORKING HOURS**

Clauses 16.0, 16.1 and 16.6 amended to read as follows:

“the site of the works is regarded a National Key Point within which the contractor shall have restricted access to the site on being given possession to fulfill his obligations. The contractor shall be briefed on the restrictions of movement, servitudes, access control, buildings in use, security requirements and security clearances, working hours due to the site being occupied and under the employers control at all times. The contractor shall not extend his operations into any restricted or undefined areas.

The contractor shall ensure that all personnel and subcontractors engaged on the contract and those visiting the site have the necessary security clearances prior to such persons being brought on to site. Any persons found to be non-compliant shall not be allowed entry to the site. All costs associated with the verification of personnel to meet this requirement shall be borne by the contractor.

The employer shall have unrestricted and continuous access to the works due to the statutory classification of the site and its operations. This arrangement shall be coordinated and agreed upon by all parties prior to the handover of the site to the contractor. A steering committee comprising representatives of the employer, the principal agent, the contractor and any other nominated or required party shall be set up to ensure that the contractors operations are unhindered.

Work shall be carried out during normal working hours. Any extended times or approval or overtime work shall be considered and approved by the steering committee.

The contractor shall comply with the employers' rules for the control of delivery of materials and goods into the site and for the removal of such items from the site.”

#### **g) PAYMENT OF PRELIMINARY & GENERAL COSTS (P&G)**

In the event that the contractor, due to causes of his own making, fails to achieve the targets set out in his construction programme and his performance is not in accordance with the contract, payment of the time related P&G will be paid in proportion to the value of the monthly progress payment and not in accordance with the projected cash flow for this item. The principal agent shall review the status quo and revert to paying the contractor in

accordance with the contract once the contractor has demonstrated improvement of their performance and the principal agent is satisfied that the contractor is performing diligently.

Similarly, the full amount of the fixed portion of the P&G will be paid only once the successful contractor has fully complied with deliverables under this section.

#### **h) FINAL PAYMENT**

The employer shall pay to the contractor the amount certified in final payment certificate within thirty (30) calendar days of the date of issue of the payment certificate or the contractors tax invoice whichever is the later date.

#### **i) AMBIGUITY OR DISCREPANCY**

If any ambiguity or discrepancy in any of the documents forming part of the contract is found, then the contract data and or amendments herein shall prevail in cases of conflict between any of the documents.

all risks insurance - especially with the current weather conditions - we need to ensure that all contracts are insured.

**SIGNATURE OF THE PARTIES**

Signed at Pretoria on this the ..... day of .....**2023**

**AS WITNESSES:**

1. \_\_\_\_\_  
\_\_\_\_\_

For and on behalf of the **Employer:**  
.....  
in his/her capacity as Acting Regional  
General Manager

2. \_\_\_\_\_  
\_\_\_\_\_

For and on behalf of the **Employer:**  
.....  
in his/her capacity as the Programme  
Manager.

Signed at Pretoria on this the ..... day of .....**2023**

**AS WITNESSES:**

1. \_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_  
For and on behalf of the **Service  
provider:**  
.....  
in his/her capacity as Director, who  
hereby confirm that he/she is duly  
authorised hereto.

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

**C1.3 FORM OF GUARANTEE**

**BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.**

Contract No.: .....

WHEREAS **INDEPENDENT DEVELOPMENT TRUST** (hereinafter referred to as "the Employer")

entered into, a Contract with \_\_\_\_\_

(hereinafter called "the Contractor") on the \_\_\_\_\_ day of \_\_\_\_\_

20\_\_ for the construction of

\_\_\_\_\_ at

\_\_\_\_\_

AND WHEREAS it is provided by such Contract that the Contractor shall provide the Employer with security byway of a guarantee for the due and faithful fulfilment of such Contract by the Contractor;

AND WHEREAS

\_\_\_\_\_

has/have at the request of the Contractor, agreed to give such guarantee;

NOW THEREFORE WE,

\_\_\_\_\_

do hereby guarantee and bind ourselves jointly and severally as Guarantor and Co-principal Debtors to the Employer under renunciation of the benefits of division and excussion for the due and faithful performance by the Contractor of all the terms and conditions of the said Contract, subject to the following conditions:

- 1. The Employer shall, without reference and/or notice to us, have complete liberty of action to act in any manner authorized and/or contemplated by the terms of the said Contract, and/or to agree to any modifications, variations, alterations, directions or extensions of the Completion Date of the Works under the said Contract, and that its rights under this guarantee shall in no way be prejudiced nor our liability hereunder be affected by reason of any steps which the Employer may take under such Contract, or of any modification, variation, alterations of the Completion Date which the Employer may make, give, concede or agree to under the said Contract.
- 2. This guarantee shall be limited to the payment of a sum of money
- 3. The Employer shall be entitled, without reference to us, to release any guarantee held by it, and to

give time to or compound or make any other arrangement with the Contractor.

4. This guarantee shall remain in full force and effect until the issue of the Certificate of Completion in terms of the Contract, unless we are advised in writing by the Employer before the issue of the said Certificate of his intention to institute claims, and the particulars thereof, in which event this guarantee shall remain in full force and effect until all such claims have been paid or liquidated.

5. Our total liability hereunder shall not exceed the sum of (not exceeding 10% of the Contract Sum) in \_\_\_\_\_ (R\_\_\_\_\_)

The Guarantor reserves the right to withdraw from this guarantee by depositing the Guaranteed Sum with the beneficiary, whereupon the Guarantor's liability hereunder shall cease.

We hereby choose our address for the serving of all notices for all purposes arising here from as \_\_\_\_\_

IN WITNESS WHEREOF this guarantee has been executed by us at \_\_\_\_\_

on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

As witnesses:

1. \_\_\_\_\_ Signature \_\_\_\_\_

2. \_\_\_\_\_ Signature \_\_\_\_\_

Duly authorized to sign on behalf of \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

## **C1.4 ADJUDICATOR'S AGREEMENT**

## C1.4: Adjudicator's Agreement

This agreement is made on the.....day of ..... 20.....between the Employer

(name of company / organisation) .....

of (address) .....

..... and the Contractor

(name of company / organisation).....of

(address) .....

..... (hereinafter called **the Parties**)

**and**

(name) .....

of (address) .....

..... (hereinafter called **the Adjudicator**)

Disputes or differences may arise/have arisen\* between the Parties under a Contract No .....

for (contract title) .....

and these disputes or differences shall be/have been\* referred to adjudication in accordance with the CIDB Adjudication Procedure, (hereinafter called "**the Procedure**") and the Adjudicator may be or has been requested to act.

(\* Delete as necessary)

**IT IS NOW AGREED** as follows:

1. The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.
2. The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
3. The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.
4. The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
5. The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of

either Party.

6. **SIGNED by:**

(Signature): .....(Signature): ..... (Signature): .....

**Name:** .....**Name:** ..... **Name:** .....

who warrants that he/ she is  
duly authorized to sign for and  
on behalf of the **First Party** in  
and on behalf of the presence  
of

who warrants that he/ she is  
duly authorized to sign for and  
on behalf of the **Second Party**  
presence of

the **Adjudicator** in the presence  
of

**Witness:** .....**Witness:** ..... **Witness:** .....  
(Signature): .....(Signature): ..... (Signature): .....

**Name:** .....**Name:** ..... **Name:** .....

Address: .....Address: ..... Address: .....

.....

Date: ..... Date:..... Date:

**C1.5: AGREEMENT IN TERMS OF SECTION 37(2) OF THE  
OCCUPATIONAL HEALTH AND SAFETY ACT No 85 OF 1993**

Refer Overleaf:

**C.1.5 AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT No 85 OF 1993**

THIS AGREEMENT is made between Independent Development trust represented by the Supply Chain Management.

(hereinafter called the EMPLOYER) of the one part, herein represented by:

.....  
in his capacity as: .....

AND: .....

(hereinafter called the CONTRACTOR) of the other part, herein represented by .....

.....  
in his capacity as: .....  
duly authorised to sign on behalf of the Contractor.

**WHEREAS** the CONTRACTOR is the Mandatary of the EMPLOYER in consequence of an agreement between the CONTRACTOR and the EMPLOYER in respect of:

**TENDER: APPOINTMENT  
BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008**

AND WHEREAS the EMPLOYER and the CONTRACTOR have agreed to enter into an agreement in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993, as amended by OHS Act Amendment Act No 181/1993 (hereinafter referred to as the ACT);

**NOW THEREFORE** the parties agree as follows:

1. **The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.**
2. The CONTRACTOR undertakes to fully comply with all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations: Provided that should the EMPLOYER have prescribed certain arrangements and procedures that same shall be observed and adhered to by the CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.
3. The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures, if any, imposed by the ACT and Regulations, and the CONTRACTOR expressly absolves the EMPLOYER and the Employer's CONSULTING ENGINEERS from being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedures in respect of the work included in the contract.
4. The CONTRACTOR agrees that any duly authorised officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with his undertakings as more fully set out in paragraphs 1 and 2

above, which steps may include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to take such steps the EMPLOYER may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.

- 5. The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations, pursuant to work performed in terms of this agreement, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

Thus signed at ..... for and on behalf of the **CONTRACTOR**

on this the ..... day of ..... 20.....

SIGNATURE: .....

NAME AND SURNAME: .....

CAPACITY: .....

WITNESSES: 1. ....

2. ....

Thus signed at ..... for and on behalf of the **EMPLOYER** on this

the ..... day of ..... 20.....

SIGNATURE: .....

NAME AND SURNAME: .....

CAPACITY: .....

WITNESSES: 1. ....

2. ....

## **C1.6 Waiver of Lien**

Refer Overleaf:



# Waiver of Contractor's Lien

for use with the JBCC Principal Building  
or JBCC Minor Works Agreements

---

## DEFINITIONS

Contractor \_\_\_\_\_

Employer \_\_\_\_\_

Agreement \_\_\_\_\_  
(Principal Building Agreement  
or Minor Works Agreement)

Works (description) \_\_\_\_\_

Site  
\_\_\_\_\_  
(property title deed description)

---

## AGREEMENT

The Contractor waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site

This waiver shall only come into effect on provision by the Employer of a Payment Guarantee for fulfilment of his obligations in terms of the identified Agreement

---

Thus done and signed at \_\_\_\_\_ on

\_\_\_\_\_  
Name of signatory

\_\_\_\_\_  
Capacity of signatory

\_\_\_\_\_  
As witness

\_\_\_\_\_  
For and on behalf of the Contractor who by  
signature hereof warrants authorisation hereto

---

JBCC Series 2000 □ Code 2121 July 2007

## **C2: PRICING DATA**

## **C2.1 PRICING INSTRUCTIONS**

## **C2: PRICING DATA**

### **C2.1 Pricing Instructions**

1. The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Seventh Edition Revised), 2015. Where applicable the:
  - a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
  - b) Mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
  - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
2. The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
3. Preliminary and general requirements are based on the various parts of the JBCC Series 2000 Preliminaries as prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
4. It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for BIDs. (Refer to [www.stanza.org.za](http://www.stanza.org.za) or [www.iso.org](http://www.iso.org) for information on standards).
5. The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
6. The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.
7. Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.

- 8 The rates contained in the Bills of Quantities will apply irrespective of the final quantities of the different classes and kinds of work actually executed.
- 9 Rates for work of similar description occurring in different sections of the Bills of Quantities shall be identical.
- 10 An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- 11 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)
- 12 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities
- 13 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor’s risk.
- 14 The amount of the Preliminary and General Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.
- 15 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 14 but taking into account the revised period for completing the works.
- 16 The amount or items of the Preliminary and General Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
  - a) an amount which is not to be varied, namely Fixed (F)
  - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
  - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
- 17 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:
  - a) 10 percent is Fixed;
  - b) 15 percent if Value Related
  - c) 75 percent is Time Related.
- 18 The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional

completion shall be prorated to the value of each section.

- 19 All work is to be constructed using labor-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract
- 20 Payment for items, which are designated to be constructed under labour-intensively, will not be made unless they are constructed using labor-intensive methods. Any unauthorized use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.
- 21 The bidder is to acquaint himself as to the specific requirements of this BID as contained in additional clauses B15 of the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the bidder to allow for these requirements
- 22 The contractor shall determine the contract skills participation goals, expressed in Rand, which shall not be less than the contract amount multiplied by a percentage factor given in Table 2 in the Standard for the applicable class of construction works. This is indicated by the percentage factor in the Final Tender Summary section. Minimum Contract Skills Development Goal (CSDG) sum = General Building GB (0.50%) x Subtotal of the tender amount

**Table 2: Contract skills development goals for different classes of engineering and construction works contracts**

Class of construction works as identified in terms of Regulation 25(3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	Description	
CE	Civil engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (Infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

**Example 1:** The contract amount for an engineering and construction works contract in the GB class of construction works is R65,7m. The contract skills development goal in Rands is R65,7m x 0.5% = R328 500.

- 23 The Employer shall determine the amount to be paid to the Enterprise Development Coordinator for the Contract Participation Goal (CPG) on the contract and this amount shall be stated under the section Enterprise Development as a Provisional Sum in the Preliminaries and Generals (P&G's).

The contractor shall be paid as follows: These are recommended rates, client may change depending on the location of the project, complexity etc.). These rates must be stated by the client in the P&Gs so that all tenderers have the same rate and not result in a tenderer being disadvantaged.

Needs analysis and enterprise development plan per Targeted Enterprise - R5000.00 (five thousand rands) per targeted enterprise.

Mentoring and interim reporting per Targeted Enterprise - R20 000.00 (twenty thousand rands) per quarter; and

Project completion report per Targeted Enterprise - R5000.00 (five thousand rands) per targeted enterprise.

24 **Payment to the contractor to accommodate Part/Full Occupational qualification and Trade qualifications**

The employer shall include the following statement in the pricing assumptions:

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added

to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

25 **Payment to the contractor for supervision and mentoring Part/Full Occupational qualification and Trade qualifications learners**

The employer shall make no provision for an additional payment item for the payment of the supervisor and/or mentors for the provision of training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for the training of part/full time occupational learners and/or trade qualification learners.

## **C2.2 BILL OF QUANTITIES**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>SECTION NO.1</b></p> <p><b>PRELIMINARIES AND GENERAL</b></p> <p><b>BILL NO. 1</b></p> <p><b>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</b></p> <p>The JBCC Principal Building Agreement (May 2018 Edition 6.2) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described.</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement.</p> <p><b>PRELIMINARIES</b></p> <p>The ASAQS Preliminaries (March 2014 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities.</p> <p>Tenderers' are referred to the abovementioned documents for the full intent and meaning of each clause thereof.</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where an item is not relevant to this specific contract, such item is marked "NA" signifying "Not applicable".</p> <p><b>METHOD OF MEASUREMENT</b></p> <p>These Bills of Quantities for building work have been prepared in accordance with the Seventh Edition of the Standard System of Measuring Building 2017, issued by the Association of South African Quantity Surveyors, modified in certain respects where necessary to meet the requirements of certain particular cases. The Bills of Quantities for civil work have been prepared in accordance with SANS 1200. All adjustments arising out of the contract will be measured on the basis of these Bills of Quantities. The Standard System and SANS 1200 may, of necessity be referred to, but such reference is conditional upon the</p> <p><b>PREAMBLES FOR TRADES</b></p> <p>The Model Preambles for Trades (November 2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained.</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model preambles.</p> <p>Where Architect's or Engineer's specifications or drawings (where issued) are in conflict with the Model Preambles for Trades 2008 or any Supplementary Preambles, the Architect's or Engineer's specification and drawings, as the case may be, are to take preference. Where the drawings and Architect's or Engineer's specifications are in conflict, the Contractor is to obtain written clarification from the Principal Agent prior to the closing of tenders</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>PRICING OF PRELIMINARIES</b></p> <p>Tenderers shall allow opposite each clause for any cost involved complying with such clause. Any clauses left unpriced shall be deemed to be covered by rates and prices elsewhere incorporated throughout these bills of quantities</p> <p><b>PAYMENT CATEGORIES</b></p> <p>Should the Tenderer select Option A in terms of subclause 26.9.4 in the Contract Data for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T).</p> <p>These relevant categories shall be as follows:</p> <p>F - A fixed amount which shall not be varied</p> <p>V - A variable amount that will be varied in proportion to the Contract Value</p> <p>T - A variable amount that will be varied in proportion to the approved time for completion</p> <p><b>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</b></p> <p><b>Definitions</b></p> <p>A Clause 1.0 - Definitions and interpretation</p> <p>Clause 1.1 Definition of "<b>Construction Period</b>" is amended by replacing it with the following:</p> <p><b>CONSTRUCTION PERIOD</b> means the period commencing on the commencement date and ending on the date of practical completion <b>8 Months (holidays included)</b></p> <p>F:..... V:..... T:.....</p> <p>B Clause 2.0 - Law, regulations and notices</p> <p>Without limiting the generality of the provisions of clause 2.0, the Tenderer's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993. The tenderer shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications.</p> <p>In the event that an occupational health and safety specification is not included as part of this tender documents, it shall be deemed that the Tenderer shall comply with the specification requirements as set out in the Occupational Health and Safety Manual for Construction as prepared by BIFSA and that all costs related to compliance with such specification are included in the tender amount of the project.</p> <p>The Tenderer shall:</p> <p>Appoint in writing a responsible person for Health and Safety and lodge a copy of such appointment with the Principal Agent as required by the act.</p> <p>Ensure that the responsible person appointed and all employees are aware of their responsibilities in terms of the Act, and that the contract is carried out in accordance with the provisions of the Act.</p>	Item	1		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Further to the above, the contractor shall:</p> <p>a. Comply with the health and safety specification for the works</p> <p>b. Prepare and agree with the health and safety consultant the health and safety plan for the works</p> <p>c. Co-operate with the health and safety consultant in all respects</p> <p>d. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification</p> <p>F:..... V:..... T:.....</p>	Item			
C	<p>Clause 3.0 - Offer and Acceptance</p> <p>F:..... V:..... T:.....</p>	Item			
D	<p>Clause 4.0 - Assignment and cession</p> <p>Not Applicable</p>	Item			
E	<p>Clause 5.0 - Contract documents</p> <p><b>Value Added Tax</b></p> <p>Provision is made in the summary page of these bill of quantities for the inclusion of Value Added Tax (VAT)</p> <p><b>Contract drawings</b></p> <p>The contract drawings are listed as a separate annexure to this enquiry.</p> <p><b>Electronic Issue of Drawings</b></p> <p>All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date such drawings have been dispatched electronically.</p> <p>F:..... V:..... T:.....</p>	Item			
F	<p>Clause 6.0 - Employer's agents</p> <p><b>Delegated authority</b></p> <p>The authority of the principal agent to perform duties for specific aspects of the works is delegated to the agents as follows;</p> <p><u>1. Architect</u></p> <p>The architect is responsible for the architectural design, functional design and quality inspection. Without derogating from the generality thereof, the architect will perform the following specific functions:</p> <p>1.1 Give opinion on aspects of the works which are not in accordance with the agreement</p> <p>1.2 Supply the specified number of drawings</p> <p>1.3 issue instructions if the bill of quantities is to be used as a specification</p> <p>1.4 Be responsible for primary co-ordination of the design elements</p> <p>1.5 Receive through the contractor and accept design documentation undertaken by subcontractors</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>1.6 Issue contract instructions to the contractor regarding:</p> <p>a. Alteration to design, quality or quantity of the works provided that such instruction shall not substantially change the scope of works</p> <p>b. Removal of any materials and goods from the site and the substitution of any materials and goods thereof</p> <p>c. Removal or re-execution of any work</p> <p>d. Opening up of work for inspection</p> <p>e. Testing of work and materials and goods</p> <p>f. Protection of the works</p> <p>g. Making good physical loss and repairing damage to the works</p> <p>h. Lists for practical completion and final completion</p> <p>i. Compliance with Acts of Parliament, regulations and bylaws</p> <p>1.7 Witness the handing over to the contractor of pegs, beacons and datum levels</p> <p>1.8 Define levels and provide the contractor with the necessary information to set out the works</p> <p>1.9 Acceptance of design by Subcontractors</p> <p>1.10 Inspect the works from time to time and give the contractor interpretation and guidance on the standard and state of completion required for practical completion</p> <p>1.11 Inspect the works for practical completion</p> <p>1.12 Issue the list for practical completion</p> <p>1.13 Issue the certificate of practical completion</p> <p>1.14 Inspect the works at the end of the defects liability period</p> <p>1.15 Issue the list for final completion and re-inspect upon request of the contractor</p> <p>1.16 Issue the certificate of final completion</p> <p><u>2. Quantity Surveyor and Project Manager</u></p> <p>The quantity surveyor is responsible for all measurements, valuations, financial assessments and other quantity surveying and cost control functions. Without derogating from the generality thereof, the quantity surveyor will perform the following specific functions and duties:</p> <p>2.1 Consult with the contractor in correction of rates or errors and discrepancies</p> <p>2.2 Complete the contract data</p> <p>2.3 Supply the specified number of unpriced bills of quantities</p> <p>2.4 Identify in the contract data any changes to the standard JBCC documentation and determine any loss and expenses to the contractor caused by the non-disclosure thereof</p> <p>2.5 Deal with amounts paid by the contractor to authorities having jurisdiction over the works</p> <p>2.6 Measure and value the making good of physical loss or damage</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>2.7 Issue instructions to the contractor regarding:</p> <p>a. Rectification of discrepancies and errors in description or omissions in contract documents</p> <p>b. Furnishing proof of payment to subcontractors</p> <p>c. Budgetary allowances and work executed by the contractor</p> <p>d. Contingency and other monetary provisions included in the contract sum</p> <p>2.8 Prepare nominated and/or selected subcontract tender documents</p> <p>2.9 Receive proof from the contractor that the contractor's payment obligations have been met in respect of subcontractors</p> <p>2.10 Act on Employer's instructions to pay subcontractors directly</p> <p>2.11 Adjustment of the contract value in respect of a revision to the date of practical completion</p> <p>2.12 Calculate penalties for non-completion upon receipt of the relevant information from the principal agent</p> <p>2.13 Valuation of payment claims for payment certificates</p> <p>2.14 Calculate default and compensatory interest due to the parties</p> <p>2.15 With each valuation for payment issue:</p> <p>a. A statement to the contractor and each subcontractor showing the amount certified for the relevant subcontractor</p> <p>b. A statement to the employer and contractor showing the total amount certified</p> <p>c. A recovery statement</p> <p>2.16 Determine the value of adjustments to the contract value</p> <p>2.17 Receive from the contractor details of expense and loss claims and assess such claims</p> <p>2.18 Prepare the final account and submit to the contractor</p> <p><u>3. Civil and Structural Engineers</u></p> <p>The civil and structural engineer is responsible for the civil and structural design, functional design and quality inspection. Without derogating from the generality thereof, the civil and structural engineer will perform the following specific functions:</p> <p>3.1 Give opinion on aspects of the works which are not in accordance with the agreement</p> <p>3.2 Supply the specified number of drawings</p> <p>3.3 issue instructions if the bill of quantities is to be used as a specification</p> <p>3.4 Receive through the contractor and accept design documentation undertaken by subcontractors</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>3.5 Issue contract instructions to the contractor regarding:</p> <p>a. Alteration to design, quality or quantity of the works provided that such instruction shall not substantially change the scope of works</p> <p>b. Removal of any materials and goods from the site and the substitution of any materials and goods thereof</p> <p>c. Removal or re-execution of any work</p> <p>d. Opening up of work for inspection</p> <p>e. Testing of work and materials and goods</p> <p>f. Protection of the works</p> <p>g. Making good physical loss and repairing damage to the works</p> <p>h. Compliance with Acts of Parliament, regulations and bylaws</p> <p>3.6 Define levels and provide the contractor with the necessary information to set out the works</p> <p>3.7 Acceptance of design by Subcontractors</p> <p>3.8 Inspect the works from time to time and give the contractor interpretation and guidance on the standard and state of completion required for practical completion</p> <p>3.9 Inspect the works for practical completion</p> <p>3.10 Issue the list for practical completion and re-inspect upon request of the contractor</p> <p>3.11 Inspect the works at the end of the defects liability period</p> <p>3.12 Issue the list for final completion and re-inspect upon request of the contractor</p> <p><u>4. Mechanical Engineer</u></p> <p>The mechanical engineer is responsible for the mechanical engineering design and quality inspection. Without derogating from the generality thereof, the civil and structural engineer will perform the following specific functions:</p> <p>4.1 Give opinion on aspects of the works which are not in accordance with the agreement</p> <p>4.2 Supply the specified number of drawings</p> <p>4.3 Issue instructions if the bill of quantities is to be used as a specification</p> <p>4.4 Receive through the contractor and accept design documentation undertaken by subcontractors</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>4.5 Issue contract instructions to the contractor regarding:</p> <p>a. Alteration to design, quality or quantity of the works provided that such instruction shall not substantially change the scope of works</p> <p>b. Removal of any materials and goods from the site and the substitution of any materials and goods thereof</p> <p>c. Removal or re-execution of any work</p> <p>d. Opening up of work for inspection</p> <p>e. Testing of work and materials and goods</p> <p>f. Protection of the works</p> <p>g. Making good physical loss and repairing damage to the works</p> <p>h. Compliance with Acts of Parliament, regulations and bylaws</p> <p>4.6 Provide the contractor with the necessary information to set out the works</p> <p>4.7 Acceptance of design by Subcontractors</p> <p>4.8 Inspect the works from time to time and give the contractor interpretation and guidance on the standard and state of completion required for practical completion</p> <p>4.9 Inspect the works for practical completion</p> <p>4.10 Issue the list for practical completion and re-inspect upon request of the contractor</p> <p>4.11 Inspect the works at the end of the defects liability period</p> <p>4.12 Issue the list for final completion and re-inspect upon request of the contractor</p> <p><u>5. Electrical Engineer</u></p> <p>The electrical engineer is responsible for the electrical engineering design and quality inspection. Without derogating from the generality thereof, the civil and structural engineer will perform the following specific functions:</p> <p>5.1 Give opinion on aspects of the works which are not in accordance with the agreement</p> <p>5.2 Supply the specified number of drawings</p> <p>5.3 Issue instructions if the bill of quantities is to be used as a specification</p> <p>5.4 Receive through the contractor and accept design documentation undertaken by subcontractors</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>5.5 Issue contract instructions to the contractor regarding:</p> <p>a. Alteration to design, quality or quantity of the works provided that such instruction shall not substantially change the scope of works</p> <p>b. Removal of any materials and goods from the site and the substitution of any materials and goods thereof</p> <p>c. Removal or re-execution of any work</p> <p>d. Opening up of work for inspection</p> <p>e. Testing of work and materials and goods</p> <p>f. Protection of the works</p> <p>g. Making good physical loss and repairing damage to the works</p> <p>h. Compliance with Acts of Parliament, regulations and bylaws</p> <p>5.6 Provide the contractor with the necessary information to set out the works</p> <p>5.7 Acceptance of design by Subcontractors</p> <p>5.8 Inspect the works from time to time and give the contractor interpretation and guidance on the standard and state of completion required for practical completion</p> <p>5.9 Inspect the works for practical completion</p> <p>5.10 Issue the list for practical completion and re-inspect upon request of the contractor</p> <p>5.11 Inspect the works at the end of the defects liability period</p> <p>5.12 Issue the list for final completion and re-inspect upon request of the contractor</p> <p>F:..... V:..... T:.....</p>				
G	<p>Clause 7.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p>	Item			
H	<p><b>Insurance and Security (A8-A11)</b></p> <p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item			
J	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item			
K	<p>Clause 10.0 - Insurances</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p> <p>The Contractor shall be registered with the Compensation Commissioner in accordance with the requirements of the Compensation for Occupational Injuries and Diseases Act No 130 of 1993, as amended and shall provide the Client with its COID registration number</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Without in any way limiting the contractors obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such and hereby indemnifies and holds harmless the employer against any such damage.</p> <p>Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured in terms of clause 32.0 hereof.</p> <p>F:..... V:..... T:.....</p>				
L	<p>Clause 11.0 - Security</p> <p>Clause 11.1.1 deleted and replaced by the following clause:</p> <p>The contractor shall provide variable <b>construction guarantee</b> as per clause 11.1.2. Such <b>security</b> shall be provided to the <b>employer</b> within twenty-one (21) <b>calendar days</b> of acceptance of the <b>contractor's</b> tender.</p> <p>Clause 11.1.3 deleted</p> <p>Clause 11.1.4 deleted</p> <p>Clause 11.2 Not Applicable</p> <p>Clause 11.4 Not Applicable</p> <p>Clause 11.5 Not Applicable</p> <p>F:..... V:..... T:.....</p>	Item			
M	<p><b>Execution</b></p> <p>Clause 12.0 - Duties of the parties</p> <p>F:..... V:..... T:.....</p>	Item			
N	<p>Clause 13.0 - Setting Out</p> <p>The Tenderer shall notify the principal agent if any encroachments of adjoining structures, pavements, boundary etc. exist in order that the necessary arrangements maybe made for the rectification of any such encroachments.</p> <p>F:..... V:..... T:.....</p>	Item			
P	<p>Clause 14.0 - Nominated subcontractors</p> <p>F:..... V:..... T:.....</p>	Item			
Q	<p>Clause 15.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item			
R	<p>Clause 16.0 - Direct contractors</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	In respect of direct contractors the contractor shall: a. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials  b. Allow the use of personnel welfare facilities, where provided  c. Provide water, lighting and single phase electricity to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation  d. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc. provided by the contractor, in common with others having the right of use while it remains erected on the site[16.1]  F:..... V:..... T:.....	Item			
S	Clause 17.0 - Contract instructions  Site instructions  Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor  F:..... V:..... T:.....	Item			
T	<b>Completion (A18- A24)</b> Clause 18.0 - Interim completion  F:..... V:..... T:.....	Item			
U	Clause 19.0 - Practical completion  F:..... V:..... T:.....	Item			
V	Clause 20.0 - Sectional completion  F:..... V:..... T:.....	Item			
W	Clause 21.0 - Defects liability period and final completion  F:..... V:..... T:.....	Item			
X	Clause 22.0 - Latent defects liability period  F:..... V:..... T:.....	Item			
Y	Clause 23.0 - Revision of date of practical completion  The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor the adjustment of the contract value [17.1.8, 23.1 & 2]  F:..... V:..... T:.....	Item			
Z	Clause 24.0 - Penalty for late or non-completion  F:..... V:..... T:.....	Item			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AA	<p><b>Payment (A25 - A27)</b></p> <p>Clause 25.0 - Payment</p> <p><b>Materials and goods stored off site</b></p> <p>The inclusion of materials and goods stored off site in the amount authorised for payment shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved security [25.3.2]</p> <p><b>Fluctuations in costs</b></p> <p>All fluctuations in costs, with the exception of the fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4].</p> <p><b>Prices submitted</b></p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the whole of the works in respect of contract instructions or in regard to a claim under the terms of the agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such process prior to the issue of the certificate of final completion, it shall be in writing.</p> <p>Clause 25.7 is amended as follows;</p> <p>The <b>employer</b> shall pay to the <b>contractor</b> the amount certified in an interim <b>payment certificate</b> within twenty one (21) calendar days of the date of issue of the <b>payment certificate</b>.</p> <p>F:..... V:..... T:.....</p>	Item			
AB	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p><b>Cost of claims</b></p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor.</p> <p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent in adjudicating the claim [26.6]</p> <p>F:..... V:..... T:.....</p>	Item			
AC	<p>Clause 27.0 - Recovery of expenses and/or loss</p> <p>There is a possibility that certain works related to user requirements may have to be delayed and may consequently not be executed prior to practical completion</p> <p>The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission</p> <p>Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries associated with the work is agreed to between the contractor and the principal agent and on condition that the instruction to proceed with such work is given within a period of three months after the date of practical completion of the works</p> <p>F:..... V:..... T:.....</p> <p><b>Suspension and termination (A28 - A29)</b></p>	Item			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
AD	Clause 28.0 - Suspension by the contractor F:..... V:..... T:.....	Item			
AE	Clause 29.0 - Termination Add the following as clause 29.26.3: Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any F:..... V:..... T:.....	Item			
	<b>Dispute resolution (A30)</b>				
AF	Clause 30.0 - Dispute resolution F:..... V:..... T:.....	Item			
AG	<b>Agreement</b> The required post tender information shall be inserted in the post tender provisions after consultation with the Tenderer F:..... V:..... T:.....	Item			
AH	Clause 32.0 - Contract data Before submission of his tender the contractor is to complete the tenderer's selection in the contract data F:..... V:..... T:.....	Item			
<b>Carried To Summary</b>					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>SECTION NO.1</b>				
	<b>PRELIMINARIES AND GENERAL</b>				
	<b>BILL NO. 2</b>				
	<b>SECTION B: JBCC PRINCIPAL BUILDING AGREEMENT</b>				
	<u>Interpretation</u>				
A	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item	1		
B	Clause 1.2 - Interpretation F:..... V:..... T:.....	Item			
	<b>Documents (B2)</b>	Item			
C	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
D	Clause 2.2 - Provisional Bills of Quantities F:..... V:..... T:.....	Item			
E	Clause 2.3 - Availability of construction documentation  The provisional sums included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period  F:..... V:..... T:.....	Item			
	<u>Previous work and adjoining properties (B3)</u>				
F	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
G	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
H	Clause 3.3 - Inspection of adjoining properties  The Tenderer shall identify and document, during the site inspection meeting, any conditions and restrictions imposed by existing buildings, limiting means of access and the like. Employees must be kept outside the working areas at all times.  F:..... V:..... T:.....	Item			
	<u>Samples, shop drawings and manufacturer's (B4)</u>				
J	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item			
K	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item			
L	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item			
M	Clause 4.4 - Compliance with manufacturer's instructions				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	F:..... V:..... T:.....	Item			
	<b><u>Deposits and fees (B5)</u></b>				
N	Clause 5.1 - Deposits and fees				
	F:..... V:..... T:.....	Item			
	<b><u>Temporary services (B6)</u></b>				
P	Clause 6.1 - Water				
	F:..... V:..... T:.....	Item			
Q	Clause 6.2 - Electricity				
	F:..... V:..... T:.....	Item			
R	Clause 6.3 - Ablution and welfare facilities				
	F:..... V:..... T:.....	Item			
S	Clause 6.4 - Telecommunication facilities				
	F:..... V:..... T:.....	Item			
	<b><u>Prime cost amounts (B7)</u></b>				
T	Clause 7.1 - Responsibility for prime cost amounts				
	F:..... V:..... T:.....	Item			
	<b><u>Special attendance on n/s subcontractors (B8)</u></b>				
U	Clause 8.1 - General attendance				
	F:..... V:..... T:.....	Item			
V	Clause 8.2 - Special attendance				
	F:..... V:..... T:.....	Item			
	<b><u>General (B9)</u></b>				
W	Clause 9.1 - Protection of the works				
	Employees will be present in adjacent buildings during construction. Site must be secured to separate construction activities from employees and general public.				
	F:..... V:..... T:.....	Item			
X	Clause 9.2 - Protection/isolation of existing/sectionally occupied works				
	F:..... V:..... T:.....	Item			
Y	Clause 9.3 - Security of the works				
	F:..... V:..... T:.....	Item			
Z	Clause 9.4 - Notice before covering work				
	F:..... V:..... T:.....	Item			
AA	Clause 9.5 - Disturbance				
	F:..... V:..... T:.....	Item			
AB	Clause 9.6 - Environmental disturbance				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>Controlling all forms of pollution</b></p> <p>The contractor shall be responsible for and take all precautions in controlling, by whatever means necessary, all forms of pollution during the construction period due to inter alia, noise, artificial light, wind-blown sand, dust etc.</p> <p>The contractor is to ensure that all roads used by the contractor during</p> <p>F:..... V:..... T:.....</p>				
AC	<p>Clause 9.7 - Works cleaning and clearing</p> <p>F:..... V:..... T:.....</p>	Item			
AD	<p>Clause 9.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item			
AE	<p>Clause 9.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item			
	<p><b>SECTION D: CONTRACT DATA</b></p> <p>Contractor is referred to the <b>PRINCIPAL BUILDING AGREEMENT - Edition 6.2 - May 2018 Contract Data EC</b> for the full intent and meaning of the following clauses and are to provide for all costs and charges in connection therewith</p>				
	<p>2.0 <b>Law regulations and notices</b></p> <p>2.1/25.13 <b>Law</b> of the country applicable to the project Republic of South Africa</p>				
	<p>5.0 <b>Contract documents</b></p> <p>5.1 Signed <b>contract documents</b> held by the <b>client</b></p> <p>5.5 Number of copies of documents issued free to the contractor - 3No.</p> <p>Priced document - Priced bills of quantity (BoQ)</p> <p>System and Method of Measurement - SANS 1200 and the Standard System of Measuring Building Work 7th Edition</p> <p>Contract Documents comprising -</p> <p>a. Employer Scope of Work and applicable documentation and,</p> <p>b. the JBCC Principal Building Agreement Ed 6.2 -May 2018 and</p> <p>c. JBCC PBA Contract Data ED 6.2</p> <p>Contract Drawings - Refer to Scope of Work</p>				
	<p>10.0 Insurances</p> <p>By the contractor in the name of the parties</p> <p>Public liability insurance - R10 million per every claim</p>				
	<p>11.0 Securities</p> <p>The contractor shall provide a Guarantee for Construction to the employer</p>				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>12.0 Duties of the parties</p> <p>Addressed in the scope of work section.</p> <p>14.0 Nominated subcontractors - None at date of tender</p> <p>16.0 Direct Contractors - None at date of tender</p> <p>19/20/24 Practical completion/ penalty for late completion</p> <p>19.0 Practical completion of the works as a whole            Inspection working days - Three            Date for practical completion - weeks            Penalty Currency - Rand  <b>Penalty amount per calendar day - 4cents/R100 of the contract amount</b></p> <p>Items that do not have to be completed to achieved practical completion            Nil</p> <p>Criteria to achieve practical completion - Refer to BoQ</p> <p>25.0 Payment</p> <p>Currency - South African Rand</p> <p>Issue of regular payment certificates on - 25th of every month</p> <p>Contract Price Adjustment will not be applicable</p> <p>30.0 Dispute resolution</p> <p>Alternative Dispute Resolution nominating body - Arbitration Foundation of Southern Africa</p> <p><b>Changes made to JBCC documentation</b></p> <p>Note: The amendments contained herein or in the single referenced Annexure constitute the only amendments to the standard JBCC Agreement that will apply. No other amendments shall be of any force or effect."</p>				
	<b>Carried To Summary</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 1</b></p> <p><b>EARTHWORKS (PROVISIONAL)</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Nature of ground</u></b></p> <p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth", and where conditions of a more difficult character are indicated, these are separately measured.</p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Soil poisoning and insecticide:</u></b></p> <p>All soil poisoning and insecticide to be applied under a ten year guarantee by an approved firm of Specialists</p> <p>All surfaces are to be inspected and approved by the Representative/Agent before any work is commenced with</p> <p><b><u>SITE CLEARANCE ETC</u></b></p> <p><u>Site clearance</u></p>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m <sup>2</sup>	674		
2	Stripping average 100mm thick layer of top soil and stockpiling on site	m <sup>2</sup>	674		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>REMOVAL OF TREES ETC</u></b>				
	<u>Taking out and removing, grubbing up roots and filling in holes</u>				
3	Tree stump exceeding 200mm and not exceeding 500mm girth	no	2		
4	Tree stump exceeding 500mm and not exceeding 1000mm girth	no	3		
	<b><u>EXCAVATION, FILLING, ETC</u></b>				
	<b><u>Open face excavation in earth</u></b>				
	<u>Excavation in earth not exceeding 2m deep below ground level over sloping site</u>				
5	To reduce levels to final levels etc.	m <sup>3</sup>	192		
	<u>Excavation in earth not exceeding 2m deep</u>				
6	Trenches	m <sup>3</sup>	93		
7	Holes	m <sup>3</sup>	7		
8	Thickening for 110mm walls	m <sup>3</sup>	9		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
9	Soft rock	m <sup>3</sup>	29		
10	Hard rock	m <sup>3</sup>	15		
	<u>Extra over all excavations for carting away</u>				
11	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	249		
	<u>Risk of collapse of excavations</u>				
12	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	329		
	<u>Keeping excavations free of water</u>				
13	Keeping excavations free of all water other than subterranean water	Item	1		
	<b><u>FILLING ETC</u></b>				
	<u>Earth filling obtained from the excavations and/or prescribed stockpiles on site, compacted to 93% Mod AASHTO density</u>				
14	Under floors, steps, pavings, etc	m <sup>3</sup>	64		
15	Backfilling to trenches, holes, etc	m <sup>3</sup>	16		
	<u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
16	Under floors, steps, pavings, etc	m <sup>3</sup>	128		
17	Backfilling to trenches, holes, etc	m <sup>3</sup>	29		
	<u>Compaction of surfaces</u>				
18	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	426		
19	Compaction of ground surface to bottom of trenches and bases, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m <sup>2</sup>	110		
	<b><u>SOIL POISONING</u></b>				
	<u>Soil insecticide</u>				
20	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m <sup>2</sup>	426		
21	To bottoms and sides of trenches etc.	m <sup>2</sup>	439		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 2</b>				
	<b>ADMIN BLOCK</b>				
	<b>BILL NO. 2</b>				
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b>NOTES</b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>15MPa/19mm concrete</u>				
1	Surface blinding under footings and bases	m <sup>3</sup>	8		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>25MPa/20mm concrete</u>				
2	Strip footings	m <sup>3</sup>	35		
3	Columns bases	m <sup>3</sup>	3		
4	Thickening for 110mm walls	m <sup>3</sup>	9		
	<b><u>REINFORCED CONCRETE</u></b>				
	<u>25MPa/20mm concrete</u>				
5	Surface beds on waterproofing	m <sup>3</sup>	42		
6	V-drain Aprons	m <sup>3</sup>	13		
7	Slabs, including beams and inverted beams	m <sup>3</sup>	3		
	<b><u>TEST CUBES</u></b>				
8	Making and testing 150 x 150 x 150mm concrete strength test cube. (Provisional)	No	15		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<u>Finishing top surfaces of concrete smooth with a power float</u>				
9	Surface beds, slabs, etc	m <sup>2</sup>	430		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
10	Apron slab	m <sup>2</sup>	160		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<u>Expansion joints with 12 mm soft board:</u>				
11	12mm Thick softboard in widths not exceeding 300mm between but between vertical concrete and brick surfaces	m	161		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
12	<u>6 x 10mm In saw cut joints in floors filled with polyurethane sealing compound including backing cord, bond breaker, primer, etc</u> In concrete floors	m	113		
	<b><u>SMOOTH FORMWORK</u></b>				
	<u>Smooth formwork to sides</u>				
13	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	124		
	<u>Smooth formwork to soffits</u>				
14	Slabs propped up not exceeding 3,5m	m <sup>2</sup>	11		
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>				
	<u>High tensile steel reinforcement to structural concrete work</u>				
15	Various Bars	ton	0,72		
	<u>Fabric reinforcement</u>				
16	Type 193 fabric reinforcement in aprons, etc. with 300mm wide side and end laps (measured net)	m <sup>2</sup>	551		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 3</b></p> <p><b>MASONRY</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick the width of the brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Reinforced brick lintels</u></p> <p>Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous</p> <p><b>BRICKWORK</b></p> <p><b>FOUNDATIONS (PROVISIONAL)</b></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></p>				
1	Piers	m <sup>3</sup>	4		
2	One brick walls	m <sup>2</sup>	80		
	<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints. Colour Red</u>				
3	Extra over brickwork for face brickwork	m <sup>2</sup>	35		
4	Extra over brickwork for header course copings on top of one brick walls	m	40		
	<b>SUPERSTRUCTURE</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Brickwork of NFP bricks in class II mortar</u>				
5	Piers	m <sup>3</sup>	22		
6	Half brick walls	m <sup>2</sup>	234		
7	Half brick walls in beamfilling.	m <sup>2</sup>	15		
8	One brick walls	m <sup>2</sup>	329		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<u>Brickwork reinforcement</u>				
9	75mm Wide reinforcement built in horizontally	m	1 245		
10	150mm Wide reinforcement built in horizontally	m	2 045		
	<u>Galvanised hoop iron cramps, ties, etc</u>				
11	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	60		
	<u>Prestressed fabricated lintels</u>				
12	110 x 75mm Lintels in lengths not exceeding 3m	m	70		
	<u>Turning pieces</u>				
13	115mm Wide turning piece to lintels etc	m	25		
14	230mm Wide turning piece to lintels etc	m	45		
	<b><u>FACE BRICKWORK</u></b>				
	<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints, Colour Red</u>				
15	Extra over brickwork for face brickwork internal	m <sup>2</sup>	185		
	<u>External face bricks (PC Amount R 5000/1000) 20-30MPa FBX FACE BRICK ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints, Colour Red</u>				
16	Extra over brickwork for face brickwork in piers	m <sup>3</sup>	22		
17	Extra over brickwork for face brickwork	m <sup>2</sup>	318		
18	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	70		
19	Extra over brickwork for brick-on-edge header course lintel pointed on both faces and 230mm soffit	m	59		
	<u>Brick-on-edge header course copings, sills, etc of external face bricks (PC Amount R 5000/1000) pointed with recessed joints on all exposed faces</u>				
20	180mm Wide sill set sloping and slightly projecting	m	28		
	<b><u>NUTEC-CEMENT WINDOW SILLS</u></b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
21	<u>Natural grey fibre cement window sills in single length bedded in 1:4 cement sand mortar. Sand and apply alkali resistant sealer and two coats mat enamel pain. (paint measured elsewhere)</u> INTERNAL 150 x 15mm Wide sills set flat and slightly projecting	m	31		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 4</b></p> <p><b>WATERPROOFING</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc. with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p>All the components to be cleaned and surveyed for defects and cracks, etc. before the application /installation of any form of water proofing.</p> <p><b><u>DAMP PROOFING OF WALLS AND FLOORS</u></b></p> <p><u>One layer of 375 Micron Consol Plastics Brikgrip DPC embossed damp proof course</u></p>				
1	In walls	m <sup>2</sup>	99		
	<p><u>One layer of 250 Micron "Plastall Gunplas USB Green" waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u></p>				
2	Under surface beds	m <sup>2</sup>	430		
3	Under apron slab	m <sup>2</sup>	160		
	<p><b><u>JOINT SEALANTS ETC</u></b></p> <p><u>"Compriband" bitumen impregnated foam plastic joint sealing strips</u></p>				
4	25 x 20mm In joints between frames and walls	m	178		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 2</b> <b>ADMIN BLOCK</b> <b>BILL NO. 5</b> <b>ROOF COVERING AND CLADDING ETC</b> <b>NOTES</b> For preambles see "Model Preambles for Trades 2017" <b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b> <u>0,6mm Galvanised iron corrugated roof sheeting laid to manufacturer specifications and painted with green paint on 50 x 76mm purlins @1200mm centre on prefabricated roof trusses.</u>				
1	Roof coverings with pitches not exceeding 25 degrees	m2	449		
2	Ridge cappings 650mm girth	m	41		
3	Hip cappings 650mm girth	m	36		
4	Verge cappings 650mm girth	m	15		
	<b><u>ROOF AND WALL INSULATION</u></b> <u>"Alucushion" insulation aluminium foil faced on one side and white faced on other side</u> Insulation laid taut over purlins (at approximately 1,1m centres) and fixed concurrent with roof covering, including white plastic coated straining wires (Measured flat on plan)				
5		m2	449		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 6</b></p> <p><b>CARPENTRY AND JOINERY</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b>ROOFS, ETC</b></p> <p><u>Plate nailed timber roof truss construction</u></p> <p>Roof construction to mono pitch truss construction size 31 240 x 12 440 mm overall on plan with 800mm eaves overhang projecting both sides, including all necessary runners, bracing and cross bracing for nutrition centre (purlins and wall plates elsewhere)</p> <p><u>Sawn softwood</u></p> <p>2 38 x 114mm Wall plates</p> <p>3 50 x 76mm Purlins</p> <p><u>Sundries</u></p>				
1		No	1		
2		m	106		
3		m	517		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
4	Two coats creosote on sawn timbers  <b><u>EAVES, VERGES, ETC</u></b>  <u>Everite medium density plain nutec-cement</u>	m2	449		
5	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips  <b><u>DOORS, ETC</u></b>  <u>Wrought meranti doors hung to steel frames (measured elsewhere)</u>	m	106		
6	40mm Door 813 x 2 032mm high (D02)	No	18		
7	40mm Double door 1 613 x 2 032mm high with rebated meeting edges (D01)	No	2		
8	40mm Door 1000 x 2 032mm high (D03)  <b><u>FITTINGS</u></b>  <u>Fittings to administration building</u>	No	1		
9	Allowance for fittings as per Architect's specifications and approval	Sum	1		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 7</b></p> <p><b>CEILINGS AND PARTITIONS</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc. are to be galvanised in accordance with SANS 121</p> <p><b>CEILINGS ETC</b></p> <p><u>Sawn softwood</u></p>				
1	38 x 114mm Ceiling joists (Provisional)	m	661		
	<p><b>NAILED UP CEILINGS</b></p> <p><u>6.4mm Gypsum ceiling boards laid in a staggered pattern with 'H' profile jointing strips, fixed with dri-wall screws to branderling, screw heads to be filled and sanded smooth, ceiling to be painted with undercoat &amp; 2 coats eggshell enamel</u></p>				
2	Horizontal ceilings, including 38 x 38mm sawn softwood branderling at 320mm centres and cross branderling at 900mm centres	m2	200		
3	600 x 600 mild steel trap door cut into ceiling between branderling. Trap door to be painted with undercoat & 2 coats acrylic PVA to match ceiling finish	No	10		
	<u>"Rhino" gypsum plasterboard cornices</u>				
4	75mm Coved cornices, nailed	m	396		
	<b>INSULATION</b>				
	<u>"Aerolite" or other equal and approved insulation</u>				
5	100mm Non-combustible lightweight fibreglass insulation blanket fitted between tie beam and laid loose on top of branderling	m2	200		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 8</b></p> <p><b>IRONMONGERY</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>BS Satin bronze lacquered CH Chromium plated</p> <p>SC Satin chromium plated</p> <p>SE Silver enamelled</p> <p>GE Grey enamelled</p> <p>AS Anodised silver</p> <p>AB Anodised bronze</p> <p>AG Anodised gold</p> <p>ABL Anodised black</p> <p>PB Polished brass</p> <p>PL Polished and lacquered</p> <p>PT Epoxy coated</p> <p>SD Sanded</p> <p>NP Nickle plated</p> <p><b><u>HINGES, BOLTS etc.</u></b></p> <p>1 2 x 100mm Galvanised and Welded Loose Pin Hinges</p> <p><b><u>LOCKS</u></b></p> <p><u>"Union"</u></p> <p>2 CZ682-065C/26310-765C latchset</p> <p>3 Security double throw dead lock with no latch</p> <p>4 3 Lever Upright mortice lock (union 2277) lockset and Satin chrome plated handles.</p> <p>5 2 Lever Upright mortice lock (union 2277) lockset and Satin chrome plated handles.</p> <p>6 Cylinder sash lock</p>				
		No	52		
		No	24		
		No	4		
		No	4		
		No	18		
		No	6		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
7	Cylinder dead lock	No	6		
8	WC Indicator set	No	5		
9	66mm Single cylinder MK	No	4		
10	66mm Double cylinder MK	No	2		
11	Adjustable roller catch	No	2		
	<b><u>HANDLES</u></b>				
	<u>"Union"</u>				
12	Lever handle on 170mm x 170mm SS	No	38		
13	Lever handle on backplate	No	14		
14	Cylinder escutcheon	No	5		
15	Narrow stile escutcheon	No	3		
16	Pull handles BTB fix	No	6		
17	Offset pull handles BTB fix	No	4		
	<b><u>PUSH PLATES AND KICKING PLATES</u></b>				
18	0.9mm x 300 x Door width TBC by builder	No	2		
	<b><u>DOOR CLOSERS</u></b>				
	<u>"Union"</u>				
19	QS700 DA delay action door closer	No	2		
20	QS680 Door closer for doors up to 80KG	No	1		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
	<u>"Solid"</u>				
21	150 x 150mm IG4/5 anodised aluminium plate with male or female symbol	No	2		
22	150 x 150mm IG2 anodised aluminium plate with paraplegic symbol	No	1		
23	150 x 150mm IF1/2/5/17/18 anodised aluminium plate with fire hydrant symbol, fire hose reel, fire extinguisher or fire exit symbol	No	6		
	<b><u>BATHROOM FITTINGS</u></b>				
24	Toilet Roll Holder TR2 2 Tier Toilet Roll Holder, Lockable Mild White Steel. Size: 14cm x 12.5cm x 27.5cm, Weight: 1.05kg, Capacity: 2 x toilet rolls.	No	5		
25	377 CH soap dish, plugged	No	7		
26	Paper Towel Dispenser	No	3		
27	Sanitary Towel Bin - Stainless Steel - 15L - Small	No	3		
	<u>Chairman Industries</u>				
28	32mm DL2 stainless steel side grab rail, plugged	No	1		
29	32mm SR2 stainless steel rear grab rail around cistern, plugged	No	1		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SUNDRIES</b>				
	<u>Brass</u>				
30	38mm Diameter rubber door stop	No	24		
31	Hat and coat hook with buff	No	12		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 9</b></p> <p><b>METALWORK</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b>WELDED SCREENS, GATES, ETC</b></p> <p><u>Security gates to steel door frames</u></p>				
1	<p>Single gate 850 x 2100mm high of 50 x 50 x 2mm square hollow section frame and 76 x 25 x 2mm rectangular hollow section horizontal middle rail, filled in with 25 x 25 x 2mm square hollow section vertical stiles at 150mm centres and fitted with a pair of suitable hinges welded to post and with locking bolt welded on</p>	No	1		
2	<p>Double security gate and frame 1 680 x 2 150mm high overall the outer frame of 45 x 45 x 3mm hollow sections bolted to walls with and including eight 70mm M8 expansion bolts and the gate 1 590 x 2 130mm high, each leaf of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 12mm diameter vertical rails at 130mm centres and fitted with one and a half pairs of suitable pin hinges welded to hollow section frame, complete with and including barrelbolts and padlock plates welded on</p>	No	2		
3	<p>Double swing steel entrance gate size 1600 x 1800mm high</p>	No	2		
	<p><b>PRESSED STEEL DOOR FRAMES</b></p> <p><u>1.2mm Double rebated frames suitable for half brick walls</u></p>				
4	<p>Frame for door overall size 813 x 2 032mm high</p>	No	18		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
5	Frame for door overall size 1000 x 2 032mm high <u>1.2mm Double rebated frames suitable for one brick walls</u>	No	1		
6	Frame for double door 1 613 x 2 032mm high  <b><u>ALUMINUM WINDOWS, DOORS, ETC</u></b>  <u>Purpose made normal strength aluminium epoxy powder coated window with standard aluminium panels glazed in 6.38mm safety glass approved.</u>	No	2		
7	Bottom Hung Aluminum window, size 900 x 1250, including burglar bars (W01)	No	17		
8	Bottom hung Aluminum window, size 900 x 900, including burglar bars (W02)	No	5		
9	Bottom Hung Aluminum, 900 x 600, including burglar bars (W03)	No	6		
10	Top hung Aluminum window, size 600 x 600, including burglar bars (W04)	No	4		
11	Sliding Aluminum size 1250 x 1000, including burglar bars	No	1		
12	Fixed pane Aluminum window, size 1000 x 1000, including burglar bars  <b><u>STEEL ROLLER SHUTTERS ETC</u></b>  <u>"Serranda" or other similar approved roller shutters fixed to brickwork or concrete</u>	No	1		
13	Manual push-up slatted roller shutter for 1540 x 1020mm high opening  <b><u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u></b>  <u>"Chubb Safes" strongroom doors etc suitable for 230mm walls, fixed to brickwork or concrete</u>	No	1		
14	"Light Duty" category 2AE (12mm) strongroom door and frame for wall opening 950 x 1935mm high (mass 495kg) (D04)	No	1		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 2</b>				
	<b>ADMIN BLOCK</b>				
	<b>BILL NO. 10</b>				
	<b>PLASTERING</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>SCREEDS</u></b>				
	<u>1:4 Cement plaster screeds steel floated</u>				
1	30mm Thick on floors and landings	m2	426		
	<b><u>GRANOLITHIC</u></b>				
	<u>Untinted granolithic on concrete (degree of accuracy grade I)</u>				
2	30mm Thick on floors and landings	m2	9		
3	Skirtings 75mm high	m	12		
	<b><u>INTERNAL PLASTER</u></b>				
	<u>Cement plaster on brickwork</u>				
4	On walls	m2	858		
5	On narrow widths	m2	26		
	<u>Gypsum skim plaster on concrete</u>				
6	On ceilings	m2	9		
	<b><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></b>				
7	3 x 32mm Flat section brass dividing strips between different floor finishes	m	15		
	<b>Carried to Summary</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 11</b></p> <p><b>TILING</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding</p> <p><b>WALL TILING</b></p> <p><u>300 x 300mm ceramic Samca shiny tile - white or similar approve fixed with adhesive to plaster (plaster elsewhere) and flush pointed with white tiling grout:</u></p> <p>1 On walls m2 6</p> <p>2 On narrow widths m2 1</p> <p><b>FLOOR TILING</b></p> <p><u>200 x 200 x 3mm Thick ceramic tiles (PC amount R200/m2 delivered to site) in matt finish, laid to approved pattern and fixed with adhesive to screed (screed elsewhere) including flush pointed with tinted grout. Colour, pattern and aggregate size all to the architect's approval</u></p> <p>3 On floors m2 275</p> <p>4 100mm high tile skirting m 314</p> <p>5 Installing kirk trim on walls and on top of skirting m 314</p>				
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 12</b></p> <p><b>PLUMBING AND DRAINAGE</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone</p> <p><u>U-PVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>U-PVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded U-PVC loose sockets and fittings Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be U-PVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><u>Polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p><u>Copper pipes</u></p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p>Pipes shall be hard drawn and half-hard pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "?" type. Capillary solder fittings shall comply with ISO 2016</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion</p> <p><u>Petrolatum anti-corrosion tape</u></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with ?% overlaps Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions</p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p>Prices for wrapping of pipes shall include for all work as described to couplings in the length</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001</p> <p><u>General</u></p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catch pits, etc. shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc. and to steel pipes (adaptors for connections to copper pipes, etc. are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc. shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p> <p><b><u>RAINWATER DISPOSAL</u></b></p> <p><u>Seamless aluminium pre-painted gutters and rainwater pipes (Colour to be approved by Architect)</u></p>				
1	150 x 150mm Square section eaves gutters fixed to falls on splay rebated roof trusses	m	106		
2	Extra over for stopped end	no	10		
3	Extra over for angle	no	10		
4	100 x 75mm Diameter rainwater downpipe fixed to walls	m	46		
5	Extra over for bend	no	10		
6	Extra over for shoe	no	10		
7	Extra over for eaves or plinth offset	no	10		
	<b><u>SOIL DRAINAGE</u></b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>uPVC pipes</u>				
8	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	35		
9	110mm Pipes laid in and including trenches not exceeding 1m deep	m	146		
10	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	12		
	<u>Extra over uPVC pipes for fittings</u>				
11	110mm Bend	no	15		
12	110mm Junction	no	18		
13	110mm Access bend	no	15		
14	110mm Access junction	no	15		
	<u>uPVC gulleys</u>				
15	110mm Dished gulley not exceeding 750mm deep	no	6		
	<u>Inspection chamber (covers elsewhere)</u>				
16	Inspection chamber 1 000 x 1 000mm and not exceeding 750mm deep internally	no	1		
17	Inspection chamber 1 000 x 1 000mm and exceeding 750mm and not exceeding 1 500mm deep internally	no	1		
18	Inspection chamber 1 000 x 1 000mm and exceeding 1 500mm and not exceeding 2 250mm deep internally	no	1		
	<u>Covers, etc</u>				
19	900 x 900mm x 171kg Type M2186 cast iron single seal manhole cover and frame	no	3		
20	Lifting key for manhole cover	no	3		
	<u>Sundries</u>				
21	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock	m3	65		
22	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock	m3	65		
23	100mm Cast iron "ABC" cleaning eye	no	10		
24	Testing drainage pipe system	Item	1		
	<b><u>SANITARY FITTINGS</u></b>				
	<u>"Franke" or similar and approved stainless steel</u>				
25	Stainless steel bowl and drainer sink unit size 1300 mm long x 584 mm wide overall, the bowl 533 mm deep with overflow and fitted with 40 mm chromium plated waste, plug stay and chain fixed to and including painted steel framing and jointing to water and waste pes.	No	1		
	<u>Vaal or equally approved</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Basins</u>				
26	"Vaal Sanitaryware Azalea 510" vitreous china semi recessed basin colour White (Code: 705800WH), size 510 x 500 x 160mm with one taphole with integrated overflow, fitted onto vanity top (elsewhere specified).	No	7		
	<u>WC</u>				
27	Close coupled 90° outlet closed rim wc pan including matching 7 litre push-button top dual-flush cistern, fitted with quality approved heavy-duty thermoset lid, seat and complete with all necessary fittings as per manufacturers specifications	No	4		
28	"Protea Paraplegic" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe and purpose made CP side-flush lever	No	1		
29	"Lavatera" wall urinal with spreader (flushing valve elsewhere)	No	2		
	<b><u>WASTE UNIONS, ETC.</u></b>				
	<u>"Cobra" or similar approved product</u>				
30	32mm Basin waste union with plug and chain	No	7		
31	38mm Bath or sink waste union with plug and chain	No	1		
	<b><u>TRAPS, ETC.</u></b>				
	<u>Equal and approved</u>				
32	32mm Deep seal "P" or "S" trap	No	11		
33	40mm Reseal "P" or "S" trap	No	11		
34	40mm Anti-vac bottle trap	No	11		
	<b><u>TAPS, VALVES, ETC.</u></b>				
	<u>Brass or approved</u>				
35	15mm 232-10 CP Angle regulating valve, supply tube and cap nut	No	7		
36	22mm 121RB Stopcock	No	11		
37	28mm 1001/125RB Fullway gate valve	No	3		
38	Elbow-action pillar-tap, with 1/4 turn ceramic disc head, blue indicator water applications and flanged backnut	No	1		
39	15mm 114 CP Pillar taps	No	7		
40	FJ2.100 Flushmaster toilet flush valve	No	8		
41	PB 1.10 RB Vacuum breakers	No	7		
42	PA 1.1RB Approved 400 kPa pressure reducing valve	No	7		
43	KF3.402 Approved toilet flush valve	No	7		
	<b><u>SANITARY PLUMBING</u></b>				
	<u>uPVC pipes</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
44	50mm Pipes	m	55		
45	110mm Pipes	m	100		
	<u>Extra over uPVC pipes for fittings</u>				
46	50mm Access bend	No	15		
47	50 mm Access junction	No	15		
48	50 mm Access reducing junction	No	15		
49	50 mm Stub stack with one 50mm junction	No	10		
50	50mm Vent valve	No	12		
51	110mm Pan connector	No	4		
52	110 mm Bend	No	5		
53	110 mm Access bend	No	5		
54	110 mm Access junction	No	12		
55	110 mm Access reducing junction	No	12		
56	110mm Vent valve	No	7		
57	100 x 100 x 50mm Access reducing junction	No	5		
	<b><u>WATER SUPPLIES</u></b>				
	<u>Class "O" copper pipes</u>				
58	15mm Pipes	m	50		
59	15mm Pipes in wall	m	26		
60	22mm Pipes	m	75		
61	22mm Pipes in wall	m	45		
62	28mm Pipes	m	24		
	<u>Extra over class "O" copper pipes for capillary fittings</u>				
63	15mm Fittings	No	20		
64	22mm Fittings	No	30		
65	28mm Fittings	No	12		
	<b><u>TESTING, ETC.</u></b>				
66	Provide all necessary apparatus, water, etc for and test the whole of the Sanitary Plumbing and Water Supply installation to the satisfaction of the Project Manager, replace any defective work free of charge and leave perfect	Item	1		
	<b><u>FIRE APPLIANCES ETC</u></b>				
	<u>"Chubb"</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
67	4,5kg Carbon dioxide fire extinguisher	no	4		
68	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	no	2		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 2</b></p> <p><b>ADMIN BLOCK</b></p> <p><b>BILL NO. 13</b></p> <p><b>GLAZING</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.</p> <p><b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b></p> <p><u>4mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u></p>				
1	Mirror, size 450 x 600 mm high	No	7		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 2</b>				
	<b>ADMIN BLOCK</b>				
	<b>BILL NO. 14</b>				
	<b>PAINTWORK</b>				
	<b>NOTES</b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	Adjoining paint surfaces: The contractor is to take into consideration that the paintwork to the external facade will be applied to different textures as well as differ in paint specification and colour adjoining each other. No claims whatsoever for cost or time extension will be entertained for the above-mentioned. Quality monitoring of paint surfaces: The contractor needs to allow for quality checks of all primer coats by an approved authority (for example Qualitec) prior commencement of final coats. No claims whatsoever for cost or time extension will be entertained for the above-mentioned				
	<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>				
	<u>Previously painted plastered surfaces</u>				
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth				
	<u>Previously painted metal surfaces</u>				
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
	Roof Surfaces shall be thoroughly sanded, pressure washed, rust treated and resealed before being painted.				
	<u>Previously painted wood surfaces</u>				
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth				
	<b><u>PAINTWORK, ETC TO NEW WORK ON:</u></b>				
	<b><u>FLOATED PLASTER SURFACES WITH</u></b>				
	<u>One coat primer, one coat undercoat and two coats acrylic PVA paint on</u>				
1	Internal walls	m2	858		
2	Narrow widths	m2	26		
	<b><u>SMOOTH CONCRETE SURFACES WITH</u></b>				
	<u>One coat primer, one coat undercoat and two coats acrylic PVA paint on</u>				
3	Ceilings and beams	m2	9		
	<b><u>PLASTER BOARD SURFACES WITH</u></b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Apply one coat primer, one coat undercoat and two coats acrylic PVA.</u>				
4	Ceilings including cornices.	m2	390		
	<b><u>FIBRE-CEMENT SURFACES WITH</u></b>				
	<u>Apply one coat primer, one coat undercoat and two coats acrylic PVA.</u>				
5	Window sills	m	30		
6	Fascias and barge boards	m	106		
	<b><u>METAL SURFACES WITH</u></b>				
	<u>Prepare surfaces, Apply one coat metal primer, one coat universal undercoat and two coats universal enamel paint on</u>				
7	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	27		
8	Door frames	m2	40		
9	Recordroom and strongroom doors and frames	m2	6		
	<b><u>WOOD SURFACES WITH</u></b>				
	<u>One coat oil wood primer, one coat universal undercoat and two coats super universal enamel paint on</u>				
10	Doors	m2	103		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
<b>SECTION NO. 2</b>					
<b>ADMIN BLOCK</b>					
<b>BILL NO. 17</b>					
<b>PROVISIONAL SUM</b>					
1	Budgetary allowance of R 15 000 (Fifteen Thousand Rand) for the relocation of 1 mobile toilets	Item	1	R 15 000,00	R 15 000,00
2	Allow an amount of R250 000 (Two Hundred and Fifty Thousand Rand) for the Joinery Fittings	PS	1	R 250 000,00	R 250 000,00
3	Allow for attendance	%			
4	Allow for profit	%			
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 1</b></p> <p><b>EARTHWORKS (PROVISIONAL)</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><b><u>Nature of ground</u></b></p> <p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth", and where conditions of a more difficult character are indicated, these are separately measured.</p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Soil poisoning and insecticide:</u></b></p> <p>All soil poisoning and insecticide to be applied under a ten year guarantee by an approved firm of Specialists</p> <p>All surfaces are to be inspected and approved by the Representative/Agent before any work is commenced with</p> <p><b><u>SITE CLEARANCE ETC</u></b></p> <p><b><u>Site clearance</u></b></p>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m <sup>2</sup>	1 122		
2	Stripping average 100mm thick layer of top soil and stockpiling on site	m <sup>2</sup>	1 122		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>REMOVAL OF TREES ETC</u></b>				
	<u>Taking out and removing, grubbing up roots and filling in holes</u>				
3	Tree stump exceeding 200mm and not exceeding 500mm girth	no	4		
4	Tree stump exceeding 500mm and not exceeding 1000mm girth	no	10		
	<b><u>EXCAVATION, FILLING, ETC</u></b>				
	<b><u>Open face excavation in earth</u></b>				
	<u>Excavation in earth not exceeding 2m deep below ground level over sloping site</u>				
5	To reduce levels to final levels etc.	m <sup>3</sup>	376		
	<u>Excavation in earth not exceeding 2m deep</u>				
6	Trenches	m <sup>3</sup>	148		
7	Holes	m <sup>3</sup>	10		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
8	Soft rock	m <sup>3</sup>	32		
9	Hard rock	m <sup>3</sup>	16		
	<u>Extra over all excavations for carting away</u>				
10	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	336		
	<u>Risk of collapse of excavations</u>				
11	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	520		
	<u>Keeping excavations free of water</u>				
12	Keeping excavations free of all water other than subterranean water	Item	1		
	<b><u>FILLING ETC</u></b>				
	<u>Earth filling obtained from the excavations and/or prescribed stockpiles on site, compacted to 93% Mod AASHTO density</u>				
13	Under floors, steps, pavings, etc	m <sup>3</sup>	126		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
14	Backfilling to trenches, holes, etc <u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>	m <sup>3</sup>	26		
15	Under floors, steps, pavings, etc	m <sup>3</sup>	250		
16	Backfilling to trenches, holes, etc <u>Compaction of surfaces</u>	m <sup>3</sup>	46		
17	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	834		
18	Compaction of ground surface to bottom of trenches and bases, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density  <b><u>SOIL POISONING</u></b> <u>Soil insecticide</u>	m <sup>2</sup>	174		
19	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m <sup>2</sup>	834		
20	To bottoms and sides of trenches etc.	m <sup>2</sup>	694		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 3</b>				
	<b>2x 3 CLASSROOM BLOCKS</b>				
	<b>BILL NO. 2</b>				
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>15MPa/19mm concrete</u>				
1	Surface blinding under footings and bases	m <sup>3</sup>	8		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>25MPa/20mm concrete</u>				
2	Strip footings	m <sup>3</sup>	48		
3	Columns bases	m <sup>3</sup>	4		
	<b><u>REINFORCED CONCRETE</u></b>				
	<u>25MPa/20mm concrete</u>				
4	Surface beds on waterproofing	m <sup>3</sup>	58		
5	V-drain Aprons	m <sup>3</sup>	20		
	<b><u>TEST CUBES</u></b>				
6	Making and testing 150 x 150 x 150mm concrete strength test cube. (Provisional)	No	16		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<u>Finishing top surfaces of concrete smooth with a power float</u>				
7	Surface beds, slabs, etc	m <sup>2</sup>	584		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
8	Apron slab	m <sup>2</sup>	252		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<u>Expansion joints</u>				
9	10mm Thick isolation joints filled with 10mm deep polyurethane sealing in widths not exceeding 300mm between but between vertical concrete and brick surfaces	m	278		
	<u>6 x 10mm In saw cut joints in floors filled with polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
10	In concrete floors  <b><u>ROUGH FORMWORK</u></b> <u>Rough formwork to sides</u>	m	194		
11	Edges, risers, ends and reveals not exceeding 300mm high or wide  <b><u>REINFORCEMENT (PROVISIONAL)</u></b> <u>High tensile steel reinforcement to structural concrete work</u>	m	168		
12	Various Bars  <u>Fabric reinforcement</u>	ton	1,12		
13	Type 193 fabric reinforcement in aprons, etc. with 300mm wide side and end laps (measured net)	m <sup>2</sup>	834		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 3</b></p> <p><b>MASONRY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick the width of the brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Reinforced brick lintels</u></p> <p>Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous</p> <p><b><u>BRICKWORK</u></b></p> <p><b><u>FOUNDATIONS (PROVISIONAL)</u></b></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></p>				
1	Piers	m <sup>3</sup>	6		
2	One brick walls	m <sup>2</sup>	134		
	<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints. Colour Red</u>				
3	Extra over brickwork for face brickwork	m <sup>2</sup>	58		
4	Extra over brickwork for header course copings on top of one brick walls	m	66		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
<b><u>SUPERSTRUCTURE</u></b>					
<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints, Colour Red</u>					
5	Piers	m3	32		
6	One brick walls	m <sup>2</sup>	632		
7	One brick walls in Gables	m <sup>2</sup>	108		
8	Half brick walls in beamfilling	m <sup>2</sup>	20		
9	Facebrick-on-edge lintels	m	142		
<u>Brick-on-edge header course copings, sills, etc of external face bricks (PC Amount R 5000/1000) pointed with recessed joints on all exposed faces</u>					
10	180mm Wide sill set sloping and slightly projecting	m	60		
<b><u>BRICKWORK SUNDRIES</u></b>					
<u>Brickwork reinforcement</u>					
11	75mm Wide reinforcement built in horizontally	m	80		
12	150mm Wide reinforcement built in horizontally	m	4 470		
<u>Galvanised hoop iron cramps, ties, etc</u>					
13	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	70		
<u>Air bricks etc</u>					
14	2 Terracota airbricks	No	10		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 4</b></p> <p><b>WATERPROOFING</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc. with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p>All the components to be cleaned and surveyed for defects and cracks, etc. before the application /installation of any form of water proofing.</p> <p><b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b></p> <p><u>One layer of 375 Micron Consol Plastics Brikgrip DPC embossed damp proof course</u></p>				
1	In walls	m <sup>2</sup>	190		
	<p><u>One layer of 250 Micron "Plastall Gunplas USB Green" waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u></p>				
2	Under surface beds	m <sup>2</sup>	584		
3	Under apron slab	m <sup>2</sup>	252		
	<p><b><u>JOINT SEALANTS ETC</u></b></p> <p><u>"Compriband" bitumen impregnated foam plastic joint sealing strips</u></p>				
4	25 x 20mm In joints between frames and walls	m	328		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 5</b></p> <p><b>ROOF COVERING AND CLADDING ETC</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b></p> <p><u>0,6mm Charcoal Grey finished Grey metal IBR profile roof sheeting with "Chromadek" finish on one side, in single lengths fixed to 76x50mm timber purlins and 0,6mm galvanised steel accessories with "Chromadek" finish on one side</u></p>				
1	Roof coverings with pitches not exceeding 25 degrees	m2	788		
2	Ridge capping 450mm girth	m	64		
3	Gable trim 385mm girth	m	50		
	<p><b><u>ROOF AND WALL INSULATION</u></b></p> <p><u>"Alucushion" insulation aluminium foil faced on one side and white faced on other side</u></p>				
4	Insulation laid taut over purlins (at approximately 1,1m centres) and fixed concurrent with roof covering, including white plastic coated straining wires (Measured flat on plan)	m2	788		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 6</b></p> <p><b>CARPENTRY AND JOINERY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>ROOFS, ETC</u></b></p> <p><u>Plate nailed timber roof truss construction</u></p> <p>Roof construction to double pitch truss construction size 28 820 x 10 120 mm overall on plan with 800mm eaves overhang projecting both sides, including all necessary runners, bracing and cross bracing (purlins and wall plates elsewhere)</p> <p><u>Sawn softwood</u></p>				
1	Roof construction to double pitch truss construction size 28 820 x 10 120 mm overall on plan with 800mm eaves overhang projecting both sides, including all necessary runners, bracing and cross bracing (purlins and wall plates elsewhere)	No	2		
2	38 x 114mm Wall plates	m	116		
3	50 x 76mm Purlins	m	952		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Sundries</u>				
4	Two coats creosote on sawn timbers	m2	788		
	<b><u>EAVES, VERGES, ETC</u></b>				
	<u>Everite medium density plain nutec-cement</u>				
5	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	164		
	<b><u>SKIRTINGS</u></b>				
	<u>Wrought meranti</u>				
6	19 x 76mm Meranti skirting with 19mm meranti quadrant nailed to walls.	m	56		
	<b><u>DOORS, ETC</u></b>				
	<u>Wrought Meranti Batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round hung to steel door frames (measured elsewhere)</u>				
7	40mm Door 813 x 2 032mm high (D01)	No	8		
	<u>Solid core flush doors with panel meranti door and hung to steel door frames (measured elsewhere)</u>				
8	40mm Door 813 x 2 032mm high (D02)	No	2		
	<b><u>JOINERY SUNDRIES</u></b>				
	<u>Fittings to classroom building</u>				
9	3000 x 1200mm Pin Boards	No	6		
10	2400 x 1200mm Pin Boards	No	4		
	<b>Carried to Summary</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOMS BLOCKS</b></p> <p><b>BILL NO. 7</b></p> <p><b>CEILINGS AND PARTITIONS</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc. are to be galvanised in accordance with SANS 121</p> <p><b>CEILINGS ETC</b></p> <p><u>Sawn softwood</u></p>				
1	38 x 114mm Ceiling joists (Provisional)	m	972		
	<p><b><u>NAILED UP CEILINGS</u></b></p> <p><u>6mm 'GYPSUM' fibre cement ceiling boards laid in a staggered pattern with 'H' profile jointing strips, fixed with dri-wall screws to brandering. Screw heads to be filled and sanded smooth. ceiling to be painted with undercoat &amp; 2coats eggshell enamel.</u></p>				
2	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at 320mm centres and cross brandering at 900mm centres	m2	522		
3	Extra over ceiling for 610 x 610 x 10mm thick pressed steel trap door with white powder coated steel frame and lid hinge standard	No	8		
	<u>"Rhino" gypsum plasterboard cornices</u>				
4	75mm Coved cornices, nailed	m	366		
	<p><b><u>INSULATION</u></b></p> <p><u>"Aerolite" or other equal and approved insulation</u></p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
5	100mm Non-combustible lightweight fibreglass insulation blanket fitted between tie beam and laid loose on top of brandering	m2	522		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 3</b> <b>2x 3 CLASSROOM BLOCKS</b>  <b>BILL NO. 8</b> <b>FLOOR COVERINGS, PLASTIC LININGS, ETC</b>  <u>NOTES</u> For preambles see "Model Preambles for Trades 2017"  <u>FLOOR COVERINGS</u>  <u>2.5mm semi flexible vinyl tiles in two colour patterns, fixed with approved adhesive on a bonded self-levelling screen on a min 25mm - 3:1 cement screed</u>				
1	On floors	m2	48		
	<u>POLISH, SEALERS, ETC</u>  2 Two coats wax polish on vinyl flooring	m2	48		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 9</b></p> <p><b>IRONMONGERY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>BS Satin bronze lacquered CH Chromium plated</p> <p>SC Satin chromium plated</p> <p>SE Silver enamelled</p> <p>GE Grey enamelled</p> <p>AS Anodised silver</p> <p>AB Anodised bronze</p> <p>AG Anodised gold</p> <p>ABL Anodised black</p> <p>PB Polished brass</p> <p>PL Polished and lacquered</p> <p>PT Epoxy coated</p> <p>SD Sanded</p> <p>NP Nickle plated</p> <p><b><u>LOCKS</u></b></p> <p><u>"Union"</u></p> <p>1 CZ682-065C/26310-765C latchset</p> <p>2 Security double throw dead lock with no latch</p> <p>3 3 Lever Upright mortice lock (union 2277) lockset and Satin chrome plated handles.</p> <p><b><u>HINGES, BOLTS etc.</u></b></p> <p>4 2 x 100mm Galvanised and Welded Loose Pin Hinges</p> <p><b><u>SUNDRIES</u></b></p> <p><u>Brass</u></p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
5	38mm Diameter rubber door stop	No	10		
	<b><u>WRITING BOARDS</u></b>				
	<u>Virtrex or other equal and approved vitreous enamelled writing boards, etc to SABS CKS-36-2004</u>				
6	Green writing board 3 690 x 1 230mm high consisting of one fixed panels complete with aluminium chalk rail, etc, plugged	No	6		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 10</b></p> <p><b>METALWORK</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b><u>WELDED SCREENS, GATES, ETC</u></b></p> <p><u>Security gates to steel door frames</u></p> <p>Single gate 850 x 2100mm high of 50 x 50 x 2mm square hollow section frame and 76 x 25 x 2mm rectangular hollow section horizontal middle rail, filled in with 25 x 25 x 2mm square hollow section vertical stiles at 150mm centres and fitted with a pair of suitable hinges welded to post and with locking bolt welded on</p> <p><b><u>PRESSED STEEL DOOR FRAMES</u></b></p> <p><u>1,2mm Double rebated frames suitable for one brick walls</u></p>				
1		No	8		
2	Frame for door overall size 813 x 2 032mm high	No	10		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>ALUMINUM WINDOWS, DOORS, ETC</u></b>				
	<u>Purpose made normal strength aluminium epoxy powder coated window with standard aluminium panels glazed in 6.38mm safety glass clear approved.</u>				
3	Bottom Hung Aluminum window, size 900 x 1250, including burglar bars (W01)	No	60		
4	Bottom hung Aluminum window, size 900 x 900, including burglar bars (W02)	No	6		
5	Fixed pane aluminum window size 900 x 900mm high	No	2		
	<b><u>PRESSED STEEL CUPBOARD</u></b>				
	<u>Powder coated two door stationery steel cupboard with four shelves bolted to wall</u>				
6	Steel cupboard size 2400 x 2064mm high overall	No	8		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 3</b>				
	<b>2x 3 CLASSROOM BLOCKS</b>				
	<b>BILL NO. 11</b>				
	<b>PLASTERING</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>SCREEDS</u></b>				
	<u>1:4 Cement plaster screeds steel floated</u>				
1	30mm Thick on floors and landings	m2	522		
	<b><u>INTERNAL PLASTER</u></b>				
	<u>Cement plaster on brickwork</u>				
2	On walls	m2	412		
3	On narrow widths	m2	26		
	<b><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></b>				
4	3 x 32mm Flat section brass dividing strips between different floor finishes	m	10		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 12</b></p> <p><b>TILING</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding</p> <p><b>FLOOR TILING</b></p> <p><u>350 x 350 x 5mm Thick Paco beige ceramic tiles A-grade UPCrade UPC 152000A manufactured specification on scredd, all grouting joints to be continuous in both directions. Lay expansion joints. Colour and pattern to Architects approval.</u></p>				
1	On floors	m2	366		
2	75mm high tile skirting	m	188		
3	Installing kirk trim on walls and on top of skirting	m	188		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 3</b>				
	<b>2x 3 CLASSROOM BLOCKS</b>				
	<b>BILL NO. 13</b>				
	<b>PLUMBING AND DRAINAGE</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<u>Seamless aluminium pre-painted gutters and rainwater pipes (Colour to be approved by Architect)</u>				
1	150 x 150mm Square section eaves gutters fixed to falls on splay rebated roof trusses	m	124		
2	Extra over for stopped end	no	8		
3	Extra over for angle	no	8		
4	100 x 75mm Diameter rainwater downpipe fixed to walls	m	52		
5	Extra over for bend	no	16		
6	Extra over for shoe	no	16		
7	Extra over for eaves or plinth offset	no	16		
	<b><u>FIRE APPLIANCES ETC</u></b>				
	<u>"Chubb"</u>				
8	4,5kg Carbon dioxide fire extinguisher	no	8		
9	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	no	4		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 3</b></p> <p><b>2x 3 CLASSROOM BLOCKS</b></p> <p><b>BILL NO. 14</b></p> <p><b>PAINTWORK</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p>Adjoining paint surfaces: The contractor is to take into consideration that the paintwork to the external facade will be applied to different textures as well as differ in paint specification and colour adjoining each other. No claims whatsoever for cost or time extension will be entertained for the above-mentioned. Quality monitoring of paint surfaces: The contractor needs to allow for quality checks of all primer coats by an approved authority (for example Qualitec) prior commencement of final coats. No claims whatsoever for cost or time extension will be entertained for the above-mentioned</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>Roof Surfaces shall be thoroughly sanded, pressure washed, rust treated and re-sealed before being painted.</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>PAINTWORK, ETC TO NEW WORK ON:</u></b></p> <p><b><u>FLOATED PLASTER SURFACES WITH</u></b></p> <p><u>One coat primer, one coat undercoat and two coats double velvet PVA matt finish emulsion paint</u></p> <p>1 Internal walls m2 412</p> <p>2 Narrow widths m2 26</p> <p><b><u>PLASTER BOARD SURFACES WITH</u></b></p> <p><u>Apply one coat primer, one coat undercoat and two coats acrylic PVA. Paint colour to PA's approval.</u></p> <p>3 Ceilings including cornices. m2 550</p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>FIBRE-CEMENT SURFACES WITH</u></b>				
	<u>Apply one coat primer, one coat undercoat and two coats acrylic PVA.</u>				
4	Fascias and barge boards	m	164		
	<b><u>METAL SURFACES WITH</u></b>				
	<u>Prepare surfaces, Apply one coat metal primer, one coat universal undercoat and two coats universal enamel paint on</u>				
5	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	30		
6	Door frames	m2	18		
	<b><u>WOOD SURFACES WITH</u></b>				
	<u>One coat oil wood primer, one coat universal undercoat and two coats super universal enamel paint on</u>				
7	Doors	m2	36		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 3</b>				
	<b>2x 3 CLASSROOM BLOCKS</b>				
	<b>BILL NO. 15</b>				
	<b>EXTERNAL WORKS</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>COVERED WALKWAYS</u></b>				
	<b><u>Earthworks</u></b>				
	<u>Site preparation</u>				
1	Clear and strip site	m <sup>2</sup>	24		
2	Removal of topsoil to nominal depth 150mm stockpile and maintain	m <sup>3</sup>	4		
	<u>Excavation in earth not exceeding 2m deep</u>				
3	Trenches	m <sup>3</sup>	6		
4	Holes	m <sup>3</sup>	2		
	<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	6		
	<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	20		
	<u>Keeping excavations free of water</u>				
7	Keeping excavations free of all water other than subterranean water	Item	1		
	<u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>				
8	Under floors, steps, pavings, etc	m <sup>3</sup>	6		
	<u>Compaction of surfaces</u>				
9	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	14		
	<u>Soil insecticide</u>				
10	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m <sup>2</sup>	14		
	<b><u>Concrete</u></b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>15MPa/19mm concrete</u>				
11	Surface blinding under footings and bases	m <sup>3</sup>	0,6		
	<u>25MPa/20mm concrete</u>				
12	Strip footings	m <sup>3</sup>	4		
13	Columns footings	m <sup>3</sup>	1,0		
	<u>High tensile steel reinforcement to structural concrete work</u>				
14	Various Bars	ton	0,10		
	<b><u>Masonry</u></b>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
15	One brick walls	m <sup>2</sup>	6		
	<u>Brickwork reinforcement</u>				
16	150mm Wide reinforcement built in horizontally	m	24		
	<b><u>Waterproofing</u></b>				
	<u>One layer of 250 Micron "Plastall Gunplas USB Green" waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
17	Under paving	m <sup>2</sup>	14		
	<b><u>Paving</u></b>				
18	Construction of 60mm precast concrete block paving on 25mm bedding and filler sand	m <sup>2</sup>	14		
19	Kerbing	m	12		
	<b><u>Roof Covering</u></b>				
	<u>0,53mm Galvanised IBR corrugated sheeting fixed to manufacturer's details &amp; specifications, bolted to steel tubing with 6mm channel bolts, on walkway frame to Engineer's details &amp; specifications.</u>				
20	Roof coverings with pitches not exceeding 25 degrees	m <sup>2</sup>	14		
	<b><u>Steel Columns</u></b>				
21	75 x 75 x 3.0 SHS Steel columns encased into concrete (to Engineer's details)	no	8		
	<b><u>Steel Purlins</u></b>				
22	100 x 50 x 20 x 2.5 CFLC Purlins (to Engineer's details)	no	6		
23	75 x 75 x 3.0 SHS Steel Purlins	no	4		
24	50 x 50 x 2,5mm SHS bolted between portal frames to support purlins	no	8		
25	Standard valley gutter	no	8		
	<b><u>Timber Posts</u></b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
26	120 x 20mm thick vanished timber post bolted on both sides of the 75 x 75 x 3mm thick square hollow mild steel framework	no	16		
<b>Carried to Summary</b>					
<b>SECTION NO. 2</b>					
<b>2x 3 CLASSROOM BLOCKS</b>					
<b>BILL NO. 17</b>					
<b>PROVISIONAL SUM</b>					
1	Budgetary allowance of R 200 000 (Two Hundred Thousand Rand) for the relocation of 7 mobile classrooms including removal of foundations and re-building foundations where they will be relocated new position	Item	1	R 200 000,00	R 200 000,00
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 1</b></p> <p><b>ALTERATIONS (PROVISIONAL)</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><u>Breaking down and removing brickwork etc</u></p>				
1	<p>One brick walls</p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>	m <sup>2</sup>	158		
2	<p>IBR roof covering</p> <p><u>Taking out and removing sundry joinery work, fittings, etc</u></p>	m <sup>2</sup>	341		
3	<p>Gypsum plasterboard ceilings, including cornices, timber bandering, etc</p> <p><u>Carefully lift up and remove existing old fascia board etc and prepare, make good surface to receive new fascia board:</u></p>	m <sup>2</sup>	253		
4	<p>Timber skirtings</p> <p><u>Take out and remove existing gutters and down pipes, etc and prepare and make good surface to receive new:</u></p>	m	85		
5	<p>10 x 225 mm Fibre cement fascia board</p> <p><u>Existing box gutters</u></p>	m	61		
6	<p>Existing box gutters</p> <p><u>Existing down pipes</u></p>	m	61		
7	<p>Existing down pipes</p> <p><u>Taking out and removing doors, windows, etc, including thresholds, sills, etc and building up openings in brick walls, including making good cement plaster on both sides (making good paintwork elsewhere)</u></p>	m	13		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
8	Timber single door and frame 0,93 x 2,09m high overall from half brick wall <u>Taking up and removing vinyl floor coverings, carpeting, etc and preparing screed for new floor covering</u>	no	4		
9	Vinyl tile floor covering <u>Hacking up/off and removing ceramic tile floor and wall finishes, including removing mortar bed or backing from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>	m <sup>2</sup>	126		
10	Tiles to floors	m <sup>2</sup>	126		
11	Tile skirtings 100mm high <u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>	m	45		
12	Door size 813 x 2 032 mm high	no	12		
13	Door size 1611 x 2 032 mm high	no	1		
14	Glazed steel window not exceeding 2,5m2 <u>Taking out and removing piping, sanitary fittings, etc, including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)for refitting:</u>	no	20		
15	Allowance for removal of plumbing works <b><u>CUTTING THROUGH FLOORS AND CEILINGS</u></b> <u>Cutting through</u>	Item	1		
16	150mm Thick concrete surface beds for 700mm wide concrete wall footings and making good concrete on both sides of new one brick walls <b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b> <u>Hacking up/off and removing existing plaster and paint to walls, make good cracks, including cleaning and preparing to receive new plaster and paint:</u>	m	33		
16	External brick walls	m <sup>2</sup>	83		
17	Internal brick walls	m <sup>2</sup>	107		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 2</b></p> <p><b>EARTHWORKS (PROVISIONAL)</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Nature of ground</u></b></p> <p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth", and where conditions of a more difficult character are indicated, these are separately measured.</p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Soil poisoning and insecticide:</u></b></p> <p>All soil poisoning and insecticide to be applied under a ten year guarantee by an approved firm of Specialists</p> <p>All surfaces are to be inspected and approved by the Representative/Agent before any work is commenced with</p> <p><b><u>SITE CLEARANCE ETC</u></b></p> <p><u>Site clearance</u></p>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m <sup>2</sup>	244		
2	Stripping average 100mm thick layer of top soil and stockpiling on site	m <sup>2</sup>	244		
	<p><b><u>EXCAVATION, FILLING, ETC</u></b></p> <p><u>Excavation in earth not exceeding 2m deep</u></p>				
3	Trenches	m <sup>3</sup>	70		
4	Holes	m <sup>3</sup>	6		
5	Thickening for 110mm walls	m <sup>3</sup>	1		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
6	Soft rock	m <sup>3</sup>	8		
7	Hard rock	m <sup>3</sup>	4		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Extra over all excavations for carting away</u>				
8	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	40		
	<u>Risk of collapse of excavations</u>				
9	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	254		
	<u>Keeping excavations free of water</u>				
10	Keeping excavations free of all water other than subterranean water	Item	1		
	<b><u>FILLING ETC</u></b>				
	<u>Earth filling obtained from the excavations and/or prescribed stockpiles on site, compacted to 93% Mod AASHTO density</u>				
11	Under floors, steps, pavings, etc	m <sup>3</sup>	32		
12	Backfilling to trenches, holes, etc	m <sup>3</sup>	12		
	<u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>				
13	Under floors, steps, pavings, etc	m <sup>3</sup>	64		
14	Backfilling to trenches, holes, etc	m <sup>3</sup>	21		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Compaction of surfaces</u>				
15	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	214		
16	Compaction of ground surface to bottom of trenches and bases, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m <sup>2</sup>	83		
	<b><u>SOIL POISONING</u></b>				
	<u>Soil insecticide</u>				
17	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m <sup>2</sup>	214		
18	To bottoms and sides of trenches etc.	m <sup>2</sup>	337		
	<b>Carried to Summary</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 4</b>				
	<b>COMPUTER, MEDIA/LIBRARY CENTER</b>				
	<b>BILL NO. 3</b>				
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>15MPa/19mm concrete</u>				
1	Surface blinding under footings and bases	m <sup>3</sup>	4		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<u>25MPa/20mm concrete</u>				
2	Strip footings	m <sup>3</sup>	23		
3	Columns bases	m <sup>3</sup>	2		
4	Thickening for 110mm walls	m <sup>3</sup>	1		
	<b><u>REINFORCED CONCRETE</u></b>				
	<u>25MPa/20mm concrete</u>				
5	Surface beds on waterproofing	m <sup>3</sup>	40		
6	V-drain Aprons	m <sup>3</sup>	12		
	<b><u>TEST CUBES</u></b>				
7	Making and testing 150 x 150 x 150mm concrete strength test cube. (Provisional)	No	10		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<u>Finishing top surfaces of concrete smooth with a power float</u>				
8	Surface beds, slabs, etc	m <sup>2</sup>	398		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
9	Apron slab	m <sup>2</sup>	147		
	<b><u>MOVEMENT JOINTS ETC</u></b>				
	<u>Expansion joints</u>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
10	10mm Thick isolation joints filled with 10mm deep polyurethane sealing in widths not exceeding 300mm between but between vertical concrete and brick surfaces	m	238		
	<u>6 x 10mm In saw cut joints in floors filled with polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>				
11	In concrete floors	m	167		
	<b><u>ROUGH FORMWORK</u></b>				
	<u>Rough formwork to sides</u>				
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	98		
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>				
	<u>High tensile steel reinforcement to structural concrete work</u>				
13	Various Bars	ton	0,72		
	<u>Fabric reinforcement</u>				
14	Type 193 fabric reinforcement in aprons, etc. with 300mm wide side and end laps (measured net)	m <sup>2</sup>	267		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 4</b></p> <p><b>MASONRY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick the width of the brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Reinforced brick lintels</u></p> <p>Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous</p> <p><b><u>BRICKWORK</u></b></p> <p><b><u>FOUNDATIONS (PROVISIONAL)</u></b></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u></p>				
1	Piers	m <sup>3</sup>	4		
2	One brick walls	m <sup>2</sup>	64		
	<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints, Colour Red</u>				
3	Extra over brickwork for face brickwork	m <sup>2</sup>	19		
4	Extra over brickwork for header course copings on top of one brick walls	m	42		
	<b><u>SUPERSTRUCTURE</u></b>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
5	One brick walls	m <sup>2</sup>	230		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
6	One brick walls in Gables	m <sup>2</sup>	22		
7	Half brick walls in beamfilling	m <sup>2</sup>	5		
8	Half brick walls	m <sup>2</sup>	18		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<u>Brickwork reinforcement</u>				
9	75mm Wide reinforcement built in horizontally	m	92		
10	150mm Wide reinforcement built in horizontally	m	1 580		
	<u>Galvanised hoop iron cramps, ties, etc</u>				
11	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	42		
	<u>Prestressed fabricated lintels</u>				
12	110 x 75mm Lintels in lengths not exceeding 3m	m	79		
	<b><u>FACE BRICKWORK</u></b>				
	<u>20-30MPa FBX FACE BRICK (PC Amount R5000/1000) ,Size 222 X 106 X 73mm bedded and jointed in class 11 mortar and pointed with flush vertical and flush horizontal joints, Colour Red</u>				
13	Extra over brickwork for face brickwork in piers	m <sup>3</sup>	2		
14	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	44		
15	Extra over brickwork for brick-on-edge header course lintel pointed on both faces and 230mm soffit	m	38		
	<u>Brick-on-edge header course copings, sills, etc of external face bricks (PC Amount R 5000/1000) pointed with recessed joints on all exposed faces</u>				
16	180mm Wide sill set sloping and slightly projecting	m	33		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 5</b></p> <p><b>WATERPROOFING</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc. with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p>All the components to be cleaned and surveyed for defects and cracks, etc. before the application /installation of any form of water proofing.</p> <p><b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b></p> <p><u>One layer of 375 Micron Consol Plastics Brikrip DPC embossed damp proof course</u></p>				
1	In walls	m <sup>2</sup>	38		
	<p><u>One layer of 250 Micron "Plastall Gunplas USB Green" waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u></p>				
2	Under surface beds	m <sup>2</sup>	67		
3	Under apron slab	m <sup>2</sup>	147		
	<p><b><u>JOINT SEALANTS ETC</u></b></p> <p><u>"Compriband" bitumen impregnated foam plastic joint sealing strips</u></p>				
4	25 x 20mm In joints between frames and walls	m	190		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 4</b>				
	<b>COMPUTER, MEDIA/LIBRARY CENTER</b>				
	<b>BILL NO. 6</b>				
	<b>ROOF COVERING AND CLADDING ETC</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
	<u>0.6mm Charcoal Grey finished Grey metal IBR profile roof sheeting with "Chromadek" finish on one side, in single lengths fixed to 76x50mm timber purlins and 0.6mm galvanised steel accessories with "Chromadek" finish on one side</u>				
1	Roof coverings with pitches not exceeding 25 degrees	m2	537		
2	Ridge capping 450mm girth	m	42		
3	Gable trim 385mm girth	m	25		
	<b><u>ROOF AND WALL INSULATION</u></b>				
	<u>"Alucushion" insulation aluminium foil faced on one side and white faced on other side</u>				
4	Insulation laid taut over purlins (at approximately 1,1m centres) and fixed concurrent with roof covering, including white plastic coated straining wires (Measured flat on plan)	m2	537		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 7</b></p> <p><b>CARPENTRY AND JOINERY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>ROOFS, ETC</u></b></p> <p><u>Plate nailed timber roof truss construction</u></p> <p>Roof construction to double pitch truss construction size 37 940 x 10 489 mm overall on plan with 800mm eaves overhang projecting both sides, including all necessary runners, bracing and cross bracing (purlins and wall plates elsewhere)</p> <p><u>Sawn softwood</u></p> <p>2 38 x 114mm Wall plates</p> <p>3 50 x 76mm Purlins</p> <p><u>Sundries</u></p>				
1	Roof construction to double pitch truss construction size 37 940 x 10 489 mm overall on plan with 800mm eaves overhang projecting both sides, including all necessary runners, bracing and cross bracing (purlins and wall plates elsewhere)	No	1		
2	38 x 114mm Wall plates	m	76		
3	50 x 76mm Purlins	m	627		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
4	Two coats creosote on sawn timbers <b><u>EAVES, VERGES, ETC</u></b> <u>Everite medium density plain nutec-cement</u>	m2	537		
5	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips <b><u>SKIRTINGS</u></b> <u>Wrought meranti</u>	m	101		
6	19 x 76mm Meranti skirting with 19mm meranti quadrant nailed to walls. <b><u>DOORS, ETC</u></b> <u>Wrought Meranti Batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one site filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round hung to steel door frames (measured elsewhere)</u>	m	141		
7	40mm Door 813 x 2 032mm high (D01) <u>Solid core flush doors with panel meranti door and hung to steel door frames (measured elsewhere)</u>	No	3		
8	40mm Door 813 x 2 032mm high (D02) <b><u>JOINERY SUNDRIES</u></b> <u>Fittings to classroom building</u>	No	5		
9	3000 x 1200mm Pin Boards	No	1		
10	2400 x 1200mm Pin Boards	No	1		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 8</b></p> <p><b>CEILINGS AND PARTITIONS</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc. are to be galvanised in accordance with SANS 121</p> <p><b>CEILINGS ETC</b></p> <p><u>Sawn softwood</u></p>				
1	38 x 114mm Ceiling joists (Provisional)	m	663		
	<p><b><u>NAILED UP CEILINGS</u></b></p> <p><u>6mm 'GYPSUM' fibre cement ceiling boards laid in a staggered pattern with 'H' profile jointing strips, fixed with dri-wall screws to branderling. Screw heads to be filled and sanded smooth. ceiling to be painted with undercoat &amp; 2coats eggshell enamel.</u></p>				
2	Horizontal ceilings, including 38 x 38mm sawn softwood branderling at 320mm centres and cross branderling at 900mm centres	m2	360		
3	Extra over ceiling for 610 x 610 x 10mm thick pressed steel trap door with white powder coated steel frame and lid hinge standard	No	6		
	<u>"Rhino" gypsum plasterboard cornices</u>				
4	75mm Coved cornices, nailed	m	213		
	<p><b><u>INSULATION</u></b></p> <p>"Aerolite" or other equal and approved insulation</p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
5	100mm Non-combustible lightweight fibreglass insulation blanket fitted between tie beam and laid loose on top of brandering	m2	360		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 9</b></p> <p><b>FLOOR COVERINGS, PLASTIC LININGS, ETC</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>FLOOR COVERINGS</u></b></p> <p><u>2.5mm semi flexible vinyl tiles in two colour patterns, fixed with approved adhesive on a bonded self-levelling screen on a min 25mm - 3:1 cement screed</u></p>				
1	On floors	m2	273		
	<p><b><u>POLISH, SEALERS, ETC</u></b></p>				
2	Two coats wax polish on vinyl flooring	m2	273		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 10</b></p> <p><b>IRONMONGERY</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>BS Satin bronze lacquered CH Chromium plated</p> <p>SC Satin chromium plated</p> <p>SE Silver enamelled</p> <p>GE Grey enamelled</p> <p>AS Anodised silver</p> <p>AB Anodised bronze</p> <p>AG Anodised gold</p> <p>ABL Anodised black</p> <p>PB Polished brass</p> <p>PL Polished and lacquered</p> <p>PT Epoxy coated</p> <p>SD Sanded</p> <p>NP Nickle plated</p> <p><b><u>LOCKS</u></b></p> <p><u>"Union"</u></p> <p>1 CZ682-065C/26310-765C latchset</p> <p>2 Security double throw dead lock with no latch</p> <p>3 3 Lever Upright mortice lock (union 2277) lockset and Satin chrome plated handles.</p> <p>4 2 Lever Upright mortice lock (union 2277) lockset and Satin chrome plated handles.</p> <p><b><u>HINGES, BOLTS etc.</u></b></p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
5	2 x 100mm Galvanised and Welded Loose Pin Hinges	No	16		
	<b><u>SUNDRIES</u></b>				
	<u>Brass</u>				
6	38mm Diameter rubber door stop	No	8		
	<b><u>WRITING BOARDS</u></b>				
	<u>Virtrex or other equal and approved vitreous enamelled writing boards, etc to SABS CKS-36-2004</u>				
7	Green writing board 3 690 x 1 230mm high consisting of one fixed panels complete with aluminium chalk rail, etc, plugged	No	1		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 11</b></p> <p><b>METALWORK</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b><u>WELDED SCREENS, GATES, ETC</u></b></p> <p><u>Security gates to steel door frames</u></p> <p>Single gate 850 x 2100mm high of 50 x 50 x 2mm square hollow section frame and 76 x 25 x 2mm rectangular hollow section horizontal middle rail, filled in with 25 x 25 x 2mm square hollow section vertical stiles at 150mm centres and fitted with a pair of suitable hinges welded to post and with locking bolt welded on</p> <p><b><u>PRESSED STEEL DOOR FRAMES</u></b></p> <p><u>1,2mm Double rebated frames suitable for one brick walls</u></p> <p>2 Frame for door overall size 813 x 2 032mm high</p> <p><u>1,2mm Double rebated frames suitable for half brick walls</u></p> <p>3 Frame for door overall size 813 x 2 032mm high</p>				
1		No	3		
2		No	6		
3		No	1		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>ALUMINUM WINDOWS, DOORS, ETC</u></b>				
	<u>Purpose made normal strength aluminium epoxy powder coated window with standard aluminium panels glazed in 6.38mm safety glass clear approved.</u>				
4	Bottom Hung Aluminum window, size 900 x 1250, including burglar bars (W01)	No	26		
5	Bottom hung Aluminum window, size 900 x 900, including burglar bars (W02)	No	11		
6	Fixed pane aluminum window size 900 x 900mm high	No	1		
	<b><u>PRESSED STEEL CUPBOARD</u></b>				
	<u>Powder coated two door stationery steel cupboard with four shelves bolted to wall</u>				
7	Steel cupboard size 2400 x 2064mm high overall	No	1		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 4</b>				
	<b>COMPUTER, MEDIA/LIBRARY CENTER</b>				
	<b>BILL NO. 12</b>				
	<b>PLASTERING</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>SCREEDS</u></b>				
	<u>1:4 Cement plaster screeds steel floated</u>				
1	30mm Thick on floors and landings	m2	398		
	<b><u>EXTERNAL PLASTER</u></b>				
	<u>Cement plaster on brickwork</u>				
2	On walls	m2	296		
3	On narrow widths	m2	19		
	<b><u>INTERNAL PLASTER</u></b>				
	<u>Cement plaster on brickwork</u>				
4	On walls	m2	493		
5	On narrow widths	m2	24		
	<b><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></b>				
6	3 x 32mm Flat section brass dividing strips between different floor finishes	m	10		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 13</b></p> <p><b>TILING</b></p> <p><b>NOTES</b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Descriptions</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding</p> <p><b>FLOOR TILING</b></p> <p><u>350 x 350 x 5mm Thick Paco beige ceramic tiles A-grade UPCrade UPC 152000A manufactured specification on scredd, all grouting joints to be continuous in both directions. Lay expansion joints. Colour and pattern to Architects approval.</u></p>				
1	On floors	m2	13		
2	75mm high tile skirting	m	14		
3	Installing kirk trim on walls and on top of skirting	m	14		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 4</b>				
	<b>COMPUTER, MEDIA/LIBRARY CENTER</b>				
	<b>BILL NO. 14</b>				
	<b>PLUMBING AND DRAINAGE</b>				
	<b><u>NOTES</u></b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<u>Seamless aluminium pre-painted gutters and rainwater pipes (Colour to be approved by Architect)</u>				
1	150 x 150mm Square section eaves gutters fixed to falls on splay rebated roof trusses	m	76		
2	Extra over for stopped end	no	5		
3	Extra over for angle	no	5		
4	100 x 75mm Diameter rainwater downpipe fixed to walls	m	32		
5	Extra over for bend	no	10		
6	Extra over for shoe	no	10		
7	Extra over for eaves or plinth offset	no	10		
	<b><u>FIRE APPLIANCES ETC</u></b>				
	<u>"Chubb"</u>				
8	4,5kg Carbon dioxide fire extinguisher	no	4		
9	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	no	2		
	<b>Carried to Summary</b>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<p><b>SECTION NO. 4</b></p> <p><b>COMPUTER, MEDIA/LIBRARY CENTER</b></p> <p><b>BILL NO. 15</b></p> <p><b>PAINTWORK</b></p> <p><b><u>NOTES</u></b></p> <p>For preambles see "Model Preambles for Trades 2017"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Adjoining paint surfaces: The contractor is to take into consideration that the paintwork to the external facade will be applied to different textures as well as differ in paint specification and colour adjoining each other. No claims whatsoever for cost or time extension will be entertained for the above-mentioned. Quality monitoring of paint surfaces: The contractor needs to allow for quality checks of all primer coats by an approved authority (for example Qualitec) prior commencement of final coats. No claims whatsoever for cost or time extension will be entertained for the above-mentioned</p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>Roof Surfaces shall be thoroughly sanded, pressure washed, rust treated and re-sealed before being painted.</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>PAINTWORK, ETC TO NEW WORK ON:</u></b></p> <p><b><u>FLOATED PLASTER SURFACES WITH</u></b></p>				

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>One coat primer, one coat undercoat and two coats double velvet PVA matt finish emulsion paint</u>				
1	External walls	m2	296		
2	Internal walls	m2	493		
3	Narrow widths	m2	43		
	<b><u>PLASTER BOARD SURFACES WITH</u></b>				
	<u>Apply one coat primer, one coat undercoat and two coats acrylic PVA. Paint colour to PA's approval.</u>				
4	Ceilings including cornices.	m2	376		
	<b><u>FIBRE-CEMENT SURFACES WITH</u></b>				
	<u>Apply one coat primer, one coat undercoat and two coats acrylic PVA.</u>				
5	Fascias and barge boards	m	101		
	<b><u>METAL SURFACES WITH</u></b>				
	<u>Prepare surfaces. Apply one coat metal primer, one coat universal undercoat and two coats universal enamel paint on</u>				
6	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	11		
7	Door frames	m2	14		
	<b><u>WOOD SURFACES WITH</u></b>				
	<u>One coat oil wood primer, one coat universal undercoat and two coats super universal enamel paint on</u>				
8	Doors	m2	28		
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
<b>SECTION NO. 2</b>					
<b>COMPUTER, MEDIA/LIBRARY CENTER</b>					
<b>BILL NO. 16</b>					
<b>PROVISIONAL SUM</b>					
1	Allow an amount of R300 000 (Three Hundred and Fifty Thousand Rand) for the Joinery Fittings	PS	1	R 300 000,00	R 300 000,00
	Allow for attendance	%			
	Allow for profit	%			
<b>Carried to Summary</b>					

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b>SECTION NO. 5</b>				
	<b>EXTERNAL WORKS</b>				
	<b>BILL NO. 1</b>				
	<b>EXTERNAL WORKS</b>				
	<b>NOTES</b>				
	For preambles see "Model Preambles for Trades 2017"				
	<b><u>COVERED WALKWAYS</u></b>				
	<b><u>Earthworks</u></b>				
	<u>Site preparation</u>				
1	Clear and strip site	m <sup>2</sup>	83		
2	Removal of topsoil to nominal depth 150mm stockpile and maintain	m <sup>3</sup>	12		
	<u>Excavation in earth not exceeding 2m deep</u>				
3	Trenches	m <sup>3</sup>	35		
4	Holes	m <sup>3</sup>	4		
	<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	36		
	<u>Risk of collapse of excavations</u>				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	93		
	<u>Keeping excavations free of water</u>				
7	Keeping excavations free of all water other than subterranean water	Item	1		
	<u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>				
8	Under floors, steps, pavings, etc	m <sup>3</sup>	24		
	<u>Compaction of surfaces</u>				
9	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	79		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<u>Soil insecticide</u>				
10	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m <sup>2</sup>	79		
	<b><u>Concrete</u></b>				
	<u>15MPa/19mm concrete</u>				
11	Surface blinding under footings and bases	m <sup>3</sup>	3,0		
	<u>25MPa/20mm concrete</u>				
12	Strip footings	m <sup>3</sup>	15		
13	Columns footings	m <sup>3</sup>	3,0		
	<u>High tensile steel reinforcement to structural concrete work</u>				
14	Various Bars	ton	0,15		
	<b><u>Masonry</u></b>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>				
15	One brick walls	m <sup>2</sup>	36		
	<u>Brickwork reinforcement</u>				
16	150mm Wide reinforcement built in horizontally	m	144		
	<b><u>Waterproofing</u></b>				
	<u>One layer of 250 Micron "Plastall Gunplas USB Green" waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
17	Under paving	m <sup>2</sup>	79		
	<b><u>Paving</u></b>				
18	Construction of 60mm precast concrete block paving on 25mm bedding and filler sand	m <sup>2</sup>	79		
19	Kerbing	m	72		
	<b><u>Roof Covering</u></b>				
	<u>0,53mm Galvanised IBR corrugated sheeting fixed to manufacturer's details &amp; specifications, bolted to steel tubing with 6mm channel bolts, on walkway frame to Engineer's details &amp; specifications.</u>				
20	Roof coverings with pitches not exceeding 25 degrees	m <sup>2</sup>	79		
	<b><u>Steel Columns</u></b>				
21	75 x 75 x 3.0 SHS Steel columns encased into concrete (to Engineer's details)	no	28		

Item No	DESCRIPTION	Unit	TENDER AMOUNT		
			Quantity	Rate	Amount
			A	B	C
	<b><u>Steel Purlins</u></b>				
22	100 x 50 x 20 x 2.5 CFLC Purlins (to Engineer's details)	no	3		
23	75 x 75 x 3.0 SHS Steel Purlins	no	14		
24	50 x 50 x 2,5mm SHS bolted between portal frames to support purlins	no	28		
25	Standard valley gutter	no	28		
	<b><u>Timber Posts</u></b>				
26	120 x 20mm thick vanished timber post bolted on both sides of the 75 x 75 x 3mm thick square hollow mild steel framework	no	56		
	<b><u>Bulk Earthworks</u></b>				
	<u>Excavation in earth not exceeding 2m deep</u>				
	Platform	m <sup>3</sup>	2 165		
	<u>Extra over all excavations for carting away</u>				
	Surplus material from excavations on site to a dumping site to be located by the contractor	m <sup>3</sup>	2 165		
	<u>Risk of collapse of excavations</u>				
	Sides of bulk excavations not exceeding 2m deep	m <sup>2</sup>	294		
	<u>Keeping excavations free of water</u>				
	Keeping excavations free of all water other than subterranean water	Item	1		
	<u>Earth filling G5 Material supplied by the contractor compacted to 93% Mod AASHTO density @ 1% OMC</u>				
	Under floors, steps, pavings, etc	m <sup>3</sup>	2597		
	<u>Compaction of surfaces</u>				
	Compaction of ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% ModAASHTO density	m <sup>2</sup>	1 443		
	<b>Carried to Summary</b>				

## DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL

SUMMARY OF TENDER		
SCHED No.	DESCRIPTION	Amount
A	B	C
<b>Section 1</b>	<b>PRELIMINARY &amp; GENERAL</b>	
Bill No. 1	Fixed charge items	
Bill No. 2	Time related items	
<b>Section 2</b>	<b>ADMIN BLOCK</b>	
Bill No. 1	Earthworks	
Bill No. 2	Concrete, Formwork and Reinforcement	
Bill No. 3	Masonry	
Bill No. 4	Waterproofing	
Bill No. 5	Roof covering and Cladding ETC	
Bill No. 6	Carpentry and Joinery	
Bill No. 7	Ceilings and Partitions	
Bill No. 8	Ironmongery	
Bill No. 9	Metalwork	
Bill No. 10	Plastering	
Bill No. 11	Tiling	
Bill No. 12	Plumbing and Drainage	
Bill No. 13	Glazing	
Bill No. 14	Paint work	
Bill No. 15	Provisional Sums	
<b>Section 3</b>	<b>2 x 3-CLASSROOM BLOCKS</b>	
Bill No. 1	Earthworks	
Bill No. 2	Concrete, Formwork and Reinforcement	
Bill No. 3	Masonry	
Bill No. 4	Waterproofing	
Bill No. 5	Roof covering and Cladding ETC	
Bill No. 6	Carpentry and Joinery	
Bill No. 7	Ceilings and Partitions	
Bill No. 8	Floor Coverings, Plastic Lining, etc	
Bill No. 9	Ironmongery	
Bill No. 10	Metalwork	
Bill No. 11	Plastering	
Bill No. 12	Tiling	
Bill No. 13	Plumbing and Drainage	
Bill No. 14	Paint work	
Bill No. 15	External Works	
Bill No. 16	Provisional Sums	

<b>Section 4</b>	<b>COMPUTER/MEDIA, LIBRARY BLOCK</b>	
Bill No. 1	Alterations	
Bill No. 2	Earthworks	
Bill No. 3	Concrete, Formwork and Reinforcement	
Bill No. 4	Masonry	
Bill No. 5	Waterproofing	
Bill No. 6	Roof covering and Cladding ETC	
Bill No. 7	Carpentry and Joinery	
Bill No. 8	Ceilings and Partitions	
Bill No. 9	Floor Coverings, Plastic Lining, etc	
Bill No. 10	Ironmongery	
Bill No. 11	Metalwork	
Bill No. 12	Plastering	
Bill No. 13	Tiling	
Bill No. 14	Plumbing and Drainage	
Bill No. 15	Paint work	
Bill No. 16	Provisional Sums	
<b>SECTION 5</b>	<b>EXTERNAL WORKS</b>	
Bill No.1	External Works	
	<b>SUB-TOTAL</b>	
	Occupational Health And Safety (Separate document)	
	Electrical Installations (Separate document)	
	Mechanical Installations (Separate document)	
	<b>SUB-TOTAL</b>	
	Contingencies @ 5%	
	<b>TOTAL EXCLUDING VAT</b>	
	VAT @ 15%	
	<b>GRAND TOTAL</b>	

**FINAL SUMMARY PAGE**

<b>SUMMARY</b>		<b>AMOUNTS</b>	
<b>SECTIONS</b>			
1	<b>Preliminaries &amp; General</b>		
2	<b>Administration Block</b>		
3	<b>3 Classrooms Blocks</b>		
4	<b>Computer, Media &amp; Library Block</b>		
5	<b>External Works</b>		
	<b>Sub - Total</b>		
	Occupational Health and Safety (Separate Document)	Item	
	Electrical Installations (Separate Document)	Item	
	Mechanical Installations (Separate Document)	Item	
	<b>Sub - Total</b>		
	Allowance for Contingencies	5%	
	Allowance for Project Steering Committee R 600/month (Approximately 5 members)	Item	R 24 000,00
	Allowance for Community Liaison Officer (CLO) @ R5500/Month	Item	R 44 000,00
	<b>Sub - Total</b>		
	Add: VAT @ 15%		
	<b>Total Including VAT</b>	R	-

**C2.2 BILL OF QUANTITIES  
OCCUPATIONAL HEALTH AND SAFETY**

Item number	Item Description	Unit	Quantities tender	Rate	Amount Rands.cents
<b>SCHEDULE 7</b>					
<b>OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS</b>					
<b>7.1 NOTIFICATION OF CONSTRUCTION WORK</b>					
7.1.1	Notify the Provincial Director of construction work Reg.3	sum	1		
<b>7.2 PROGRAM</b>					
7.2.1	Set up a site and job specific H&S Plan including a file on site to contain the followings : Copy of H&S Act 85 of 1993 including the Construction Regulations, July 2003 Proof of registration with COID Insurer Notification of construction work Section 37(2) agreement H&S specifications provided by the Client Copy of tender document, drawings etc. H&S Plan with all information as requested in the H&S specifications Company safety policy to be signed by the CEO Company organogramme with respect of H&S on specific site Letters of appointment for specific site List of subcontractors for specific site Evacuation plan from specific site Training material and training records Risk assessments and method statements Registers as specified elsewhere Safe work procedures and material safety data sheet Fall protection plan Incident recordings Medical records Minutes of H&S meetings <b>Note :</b> The file shall be a lever arch file with original color document of acceptable standards Emergency telephone numbers to be displayed on back of file The file will be expanded during the project as and when required by the Client	sum	1		
<b>7.3 SERVICE PROVIDER APPOINTMENTS</b>					
7.3.1	Appoint a service provider to carry out a risk assessment	sum	1		
7.3.2	Appoint an SHE Coordinator to do monthly inspections	sum			Rate only
<b>7.4 TRAINING COURSES</b>					
7.4.1	Train the SHE representative	No	1		
7.4.2	Induct training of all workers	No	1		
<b>CARRIED FORWARD TO THE NEXT PAGE</b>					<b>R</b>

Item number	Item Description	Unit	Quantities	Rate	Amount
			tender		Rands.cents
BROUGHT FORWARD (OHS 1)					<b>R</b>
7.4.9	Hold tool box talks on hand tools and hand tool accidents	No	1		
<b>7.5 SHE REPRESENTATIVE</b>					
7.5.1	Appoint an SHE representative to be permanently on site	sum	1		
<b>Additional payment for workers appointed on specific H&amp;S tasks :</b>					
7.5.2	Construction supervisor (Safety Officer)	sum	1		
<b>7.6 FIRE FIGHTING EQUIPMENT</b>					
7.6.1	Provide 3 kg fire fighting equipment suitable for electric fires on each site	No	2		
7.6.2	Obtain inspection certificates of fire fighting equipment	No	1		
<b>7.7 FIRST AID</b>					
7.7.1	Provide a basic First Aid Kit	No	1		
7.7.2	Provide a stretcher	No	1		Rate Only
<b>7.8 PERSONAL PROTECTIVE CLOTHING</b>					
7.8.1	Shoulder length PVC Gloves	No	10		
7.8.2	Plastic Trousers	No	20		
7.8.3	Safety Goggles	No	25		
CARRIED FORWARD TO THE NEXT PAGE					<b>R</b>

Item number	Item Description	Unit	Quantities	Rate	Amount Rands.cents
			tender		
BROUGHT FORWARD (OHS 1)					<b>R</b>
7.8.4	Gum Boots	No	25		
7.8.5	Welding Helmet	No	2		
7.8.6	Gas Welding Safety Goggles	No	2		
7.8.7	Safety Shoes	No	25		
7.8.8	Dust Masks	No	300		
7.8.9	Hard hats	No	25		
7.8.10	Leather Aprons	No	2		
7.8.11	Respiratory masks	No	20		
7.8.12	Overalls	No	25		
7.8.13	Berrier Safetynet	No	10		
<b>7.9 MEDICAL TESTS</b>					
7.9.1	Obtain medical fitness tests of all operators and Labourers	No	25		
7.9.2	Provide Hepatitis A and B tests and vaccinations	No	1		Rate Only
7.9.3	Provide Tetanus tests and vaccinations	No	1		Rate Only
<b>7.10 IDENTIFICATION CARDS</b>					
7.10.1	Provide identification cards to employees	No	25		
<b>TOTAL CARRIED TO SUMMARY</b>					<b>R</b>

**SUMMARY**DIRANG KANATLA SECONDARY  
SCHOOL  
CONSTRUCTION OF 6 NEW  
CLASSROOMS, NEW ADMINISTRATION  
BLOCK AND COMPUTER ROOM &  
LIBRARY

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
1	OHS	R
2	OHS2	R
3	OHS3	R
A	NETT TOTAL OF TENDER	R
B	ADD CONTINGENCIES 10 % OF NETT TOTAL	R
C	<b>OHS GRAND TOTAL (Carried to Final Summary)</b>	R

**C2.2 BILL OF QUANTITIES  
ELECTRICAL INSTALLATIONS**

**DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL  
SUMMARY: ELECTRICAL WORKS**

Section	Description	Quantity	Amount	Total
1	LV Reticulation	1		ZAR -
2	3 Classroom + HOD + Teachers Office	2		ZAR -
3	Administration Block	1		ZAR -
4	Computer and Library	1		ZAR -
5	Area Lighting	1		ZAR -
	<b>SUB TOTAL 1</b>			<b>ZAR -</b>
<b>TOTAL BID PRICE VAT EXCL (Carried to Final Summary)</b>				<b>ZAR -</b>

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
<b>2</b>	<b><u>LV RETICULATION</u></b>				
2.1	Distribution Kiosks, Supply, delivery, storage and submission of workshop drawings for the Floor standing mounted architrave steel type power distribution kiosk complete with doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal equipment as specified				
2.1.1	Supply and installation of distribution kiosk	No	1		R -
2.2	Trenching Excavating, bedding, backfilling, consolidating and making good as specified.				
2.2.1	Pickable soil	m³	420		R -
2.2.2	Hard rock	m³	180		R -
2.2.3	Very hard rock	m³			rate only
2.2.4	Backfilling and compaction	m³	600		R -
2.3	50mm diameter PVC sleeves for road crossings/cable entries into the building-rate must include for galvanised steel draw wires in spare sleeves and sealing of ends	m	150		R -
2.4	Concrete slabs for crossing of other services - rate must include installation 200mm below existing services	m			rate only
2.5	Cable warning tape, 300mm above cables	m	1500		R -
2.6	Cable markers, above cables	No	7		R -
2.7	600/1000V PVC SWA cables, in trenches and sleeves, including labels				
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R -

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>						R	-
2.7.1	70mm <sup>2</sup> 4core XLPE	m					rate only
2.7.2	185mm <sup>2</sup> 4core	m					rate only
2.7.3	16mm <sup>2</sup> 4core	m	551			R	-
2.7.4	10mm <sup>2</sup> 4core	m	890			R	-
2.7.5	50mm <sup>2</sup> 3core	m					rate only
2.7.6	35mm <sup>2</sup> 3core	m					rate only
2.7.7	35mm <sup>2</sup> 2core	m					rate only
2.7.8	25mm <sup>2</sup> 3core	m					rate only
2.7.9	16mm <sup>2</sup> 2core	m					rate only
2.7.10	10mm <sup>2</sup> 3core	m					rate only
2.7.11	10mm <sup>2</sup> 2core	m					rate only
2.7.12	6mm <sup>2</sup> 2core	m					rate only
2.8	600/1000V Cable terminations, for PVC PVC SWA PVC Cu cables, for indoor or outdoor use, as required						
2.8.1	Gland no 5 complete with shroud	No					rate only
2.8.2	Gland no 4 complete with shroud	No					rate only
2.8.3	Gland no 3 complete with shroud	No					rate only
2.8.4	Gland no 2 complete with shroud	No					rate only
2.9	Earth conductors (HDHC), including ends						
2.9.1	95mm <sup>2</sup>	m					rate only
2.9.2	95mm <sup>2</sup>	m					rate only
2.9.3	70mm <sup>2</sup>	m					rate only
2.9.4	35mm <sup>2</sup>	m					rate only
2.9.5	25mm <sup>2</sup>	m					rate only
2.9.6	16mm <sup>2</sup>	m					rate only
2.9.7	10mm <sup>2</sup>	m	551			R	-
2.9.8	6mm <sup>2</sup>	m	890			R	-
2.9.9	Provide sum of R 15,000.00 for the modification of the existing metering kiosk	Sum	1	R	15,000.00	R	15,000.00
2.10	Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc.	No	1			R	-
<b>TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY</b>						<b>R</b>	<b>-</b>

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>3</b>	<b><u>THREE CLASSROOM + HOD + Teachers Office</u></b>				
<b>3.1</b>	<b>Excavation and Trenching</b> MV Reticulation General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services  Allowance must be made for the sifting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall siteworks.				
3.1.1	Trenching through floor for sleeves	m³			rate only
3.1.2	Excavation and backfilling in soft soil	m³			rate only
3.1.3	Excavation and backfilling in hard rock	m³			rate only
<b>3.2</b>	<b>Cable and Data Sleeves</b>  Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
3.2.1	50 mm Diameter for Power Cables	m	10	R	-
3.2.2	110mm Diameter for power cable  Radius bends:	m			rate only
3.2.3	75mm Diameter	No			rate only
3.2.3	110mm Diameter	No			rate only
<b>3.3</b>	<b>Draw Wires</b>  Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
3.3.1		m	650	R	-
<b>3.3</b>	<b>Distribution Boards</b>  Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
3.3.1	Supply and install a Distribution Board	No.	1	R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R -

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>3.5</b>	<b>Low Voltage PVC Cables</b> Supply and installation of PVC SWA PVC cable and Bare Copper Earth Wire in sleeves and in trenches					
3.5.1	10mm 3 core PVC SWA Cable	m				rate only
3.5.2	3mm BCEW	m				rate only
	Terminations:					
3.5.3	16mm 2 core cable	No				rate only
3.5.3	10mm BCEW	No				rate only
<b>3.6</b>	<b>Conduit Work</b> Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories.  Built or Chase into brick or concrete work:					
3.6.1	20mm PVC conduit	m				rate only
3.6.2	25mm PVC conduit  In Ceiling space and Timber work or along Purlins	m	300		R	-
3.6.3	20mm PVC conduit	m	350		R	-
3.6.3	25mm PVC conduit	m				rate only
	Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.					
3.7	<b>3.7</b>					
3.7.1	20mm diameter 3 way type(round box)	No	30		R	-
<b>3.7</b>	<b>Wall Boxes</b> Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.  Flush mounted type:					
3.7.1	100 x 50 x 50mm	No	5		R	-
3.7.2	100 x 100 x 50mm	No	10		R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>3.8</b>	<b>PVC Wiring in conduits:</b>					
3.8.1	2.5mm <sup>2</sup> for lights circuits	m	700		R	-
3.8.2	3mm <sup>2</sup> for plug sockets circuits	m	900		R	-
	Stranded Bare Copper Earth Wire					
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.					
3.8.3	2.5mm <sup>2</sup>	m	700		R	-
3.8.3	3mm <sup>2</sup>	m				rate only
<b>3.9</b>	<b>Light Switches</b>					
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification.					
3.9.1	1 Lever 1 way	No	5		R	-
3.9.2	2 Lever 2 way	No				rate only
3.9.3	3 Lever 2 way	No				rate only
3.9.3	3 Lever 1 way	No				rate only
3.9.5	Photo cell	No	1		R	-
3.9.6	Motion Sensor	No				rate only
<b>3.1</b>	<b>Socket Outlets</b>					
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.					
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.					
	All flush type boxes and special pedestals measured elsewhere.					
	Flush switched sockets type:					
3.10.1	16A single socket outlets - ZA plug	No	5		R	-
3.10.2	16A double socket outlets - ZA plug	No				rate only
3.10.3	Type D Socket outlet	No	5		R	-
3.10.3	Power Pole	No				rate only
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>3.11</b>	<b>Light Fittings</b>					
	Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.					
	Fittings to be equal and similar approved to the below quoted manufacture.					
3.11.1	Type F1: 2x13W 600mm LED decorative fluorescent light	No				rate only
3.11.2	Type W1: 2x13W 600mm LED decorative vapour fluorescent light	No				rate only
3.11.3	1200x600mm 60W Recessed LED panel without dali modification	No				rate only
3.11.3	200W LED High Bay Pendant	No				rate only
3.11.5	Opal E-Batten 3FT 1130mm 35W - 3000K - IP20	No	13	R		-
3.11.6	15W LED Round Bulkhead 3000K	No	6	R		-
<b>3.12</b>	<b>Electrical Tests</b>					
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.					
3.12.1	Building installation	Sum	1	R	8,000.00	R 8,000.00
<b>3.13</b>	<b>Others</b>					
3.13.1	300 x 300mm - Telephone & Data DB	No				rate only
3.13.2	100 x 100 x 50mm - Draw box for Communication complete with blank cover	No				rate only
3.13.3	2 compartment power skirting installed in offices	m				rate only
3.13.3	DATA and Telephone points on must include draw box, blank cover plate, etc,	No	10			R -
3.13.5	Provide the Sum of R 28,500.00 for earthing and lightning protection	Sum	1	R	28,500.00	R 28,500.00
3.13.6	5A 2pole Isolator, in suitable York Box, for HVAC	No				rate only
3.13.7	30A Isolator points with complete and suitable fitting, for stove	No				rate only
<b>TOTAL FOR BILL PER BLOCK (3X FLOORS)- CARRIED FORWARD TO SUMMARY</b>					<b>R</b>	<b>-</b>

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>4</b>	<b>1</b>				
<b>4.1</b>	<b>Excavation and Trenching</b> MV Reticulation General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services  Allowance must be made for the sifting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall siteworks.				
4.1.1	Trenching through floor for sleeves	m³			rate only
4.1.2	Excavation and backfilling in soft soil	m³			rate only
4.1.3	Excavation and backfilling in hard rock	m³			rate only
<b>4.2</b>	<b>Cable and Data Sleeves</b>  Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
4.2.1	50 mm Diameter for Power Cables	m	15	R	-
4.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
4.2.3	75mm Diameter	No			rate only
4.2.4	110mm Diameter	No			rate only
<b>4.3</b>	<b>Draw Wires</b>  Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
4.3.1		m	1350	R	-
<b>4.4</b>	<b>Distribution Boards</b>  Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
4.4.1	Supply and install a Distribution Board	No.	1	R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R -

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>4.5</b>	<b>Low Voltage PVC Cables</b> Supply and installation of PVC SWA PVC cable and Bare Copper Earth Wire in sleeves and in trenches					
4.5.1	10mm 4 core PVC SWA Cable	m				rate only
4.5.2	4mm BCEW	m				rate only
	Terminations:					
4.5.3	16mm 2 core cable	No				rate only
4.5.4	10mm BCEW	No				rate only
<b>4.6</b>	<b>Conduit Work</b> Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories.  Built or Chase into brick or concrete work:					
4.6.1	20mm PVC conduit	m				rate only
4.6.2	25mm PVC conduit  In Ceiling space and Timber work or along Purlins	m	600		R	-
4.6.3	20mm PVC conduit	m	750		R	-
4.6.4	25mm PVC conduit	m				rate only
<b>4.7</b>	Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.					
4.7.1	20mm diameter 4 way type(round box)	No	55		R	-
<b>4.7</b>	<b>Wall Boxes</b> Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.  Flush mounted type:					
4.7.1	100 x 50 x 50mm	No	18		R	-
4.7.2	100 x 100 x 50mm	No	16		R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>4.8</b>	<b>PVC Wiring in conduits:</b>					
4.8.1	2.5mm <sup>2</sup> for lights circuits	m	2200		R	-
4.8.2	4mm <sup>2</sup> for plug sockets circuits	m	1800		R	-
	Stranded Bare Copper Earth Wire					
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.					
4.8.3	2.5mm <sup>2</sup>	m	2200		R	-
4.8.4	4mm <sup>2</sup>	m				rate only
<b>4.9</b>	<b>Light Switches</b>					
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification.					
4.9.1	1 Lever 1 way	No	15		R	-
4.9.2	1 Lever 2 way	No	2		R	-
4.9.3	3 Lever 2 way	No				rate only
4.9.4	3 Lever 1 way	No				rate only
4.9.5	Photo cell	No	1		R	-
4.9.6	Motion Sensor	No	2		R	-
<b>4.1</b>	<b>Socket Outlets</b>					
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.					
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.					
	All flush type boxes and special pedestals measured elsewhere.					
	Flush switched sockets type:					
4.10.1	16A single socket outlets - ZA plug	No	18		R	-
4.10.2	16A double socket outlets - ZA plug	No				rate only
4.10.3	Type D Socket outlet	No	3		R	-
4.10.4	Power Pole	No				rate only
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>						R	-
<b>4.11</b>	<b>Light Fittings</b>						
	Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.						
	Fittings to be equal and similar approved to the below quoted manufacture.						
4.11.1	Type F1: 2x14W 600mm LED decorative fluorescent light	No					rate only
4.11.2	Type W1: 2x14W 600mm LED decorative vapour fluorescent light	No					rate only
4.11.3	4ft or 2ft T8 Open Channel Luminaire With 1x18 LED Tube	No	4		R		-
4.11.4	13W LED Rondo Recessed Downlight - 4000K - IP20	No	18		R		-
4.11.5	Opal E-Batten 4FT 1140mm 45W - 4000K - IP20	No	14		R		-
4.11.6	15W LED Round Bulkhead 4000K	No	16		R		-
<b>4.12</b>	<b>Electrical Tests</b>						
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.						
4.12.1	Building installation	Sum	1		R	12,000.00	R 12,000.00
<b>4.14</b>	<b>Others</b>						
4.14.1	300 x 300mm - Telephone & Data DB	No	1		R		-
4.14.2	100 x 100 x 50mm - Draw box for Communication complete with blank cover	No	8		R		-
4.14.3	2 compartment power skirting complete with socket outlets and blabks for telephone and data points.	m	50		R		-
4.14.4	DATA and Telephone points on must include draw box, blank cover plate, etc,	No	17		R		-
4.14.5	Provide the Sum of R 28,500.00 for earthing and lightning protection	Sum	1		R	28,500.00	R 28,500.00
4.14.6	20A 2pole Isolator, in suitable York Box, for HVAC	No	15		R		-
4.14.7	40A Isolator points with complete and suitable fitting, for stove	No	2		R		-
<b>TOTAL FOR BILL PER BLOCK (3X FLOORS)- CARRIED FORWARD TO SUMMARY</b>						<b>R</b>	<b>-</b>

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>5</b>	<b><u>COMPUTER AND LIBRARY</u></b>				
<b>5.1</b>	<b>Excavation and Trenching</b> MV Reticulation General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services  Allowance must be made for the sifting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall siteworks.				
5.1.1	Trenching through floor for sleeves	m³			rate only
5.1.2	Excavation and backfilling in soft soil	m³			rate only
5.1.3	Excavation and backfilling in hard rock	m³			rate only
<b>5.2</b>	<b>Cable and Data Sleeves</b>  Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
5.2.1	50 mm Diameter for Power Cables	m	10	R	-
5.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
5.2.3	75mm Diameter	No			rate only
5.2.5	110mm Diameter	No			rate only
<b>5.3</b>	<b>Draw Wires</b>  Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
5.3.1		m	1050	R	-
<b>5.5</b>	<b>Distribution Boards</b>  Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
5.5.1	Supply and install a Distribution Board	No.	1	R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R -

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>5.5</b>	<b>Low Voltage PVC Cables</b> Supply and installation of PVC SWA PVC cable and Bare Copper Earth Wire in sleeves and in trenches					
5.5.1	10mm 4 core PVC SWA Cable	m				rate only
5.5.2	4mm BCEW	m				rate only
	Terminations:					
5.5.3	16mm 2 core cable	No				rate only
5.5.5	10mm BCEW	No				rate only
<b>5.6</b>	<b>Conduit Work</b> Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories.  Built or Chase into brick or concrete work:					
5.6.1	20mm PVC conduit	m				rate only
5.6.2	25mm PVC conduit  In Ceiling space and Timber work or along Purlins	m	500		R	-
5.6.3	20mm PVC conduit	m	550		R	-
5.6.5	25mm PVC conduit	m				rate only
<b>5.7</b>	Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.					
5.7.1	20mm diameter 4 way type(round box)	No	30		R	-
<b>5.7</b>	<b>Wall Boxes</b> Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.  Flush mounted type:					
5.7.1	100 x 50 x 50mm	No	8		R	-
5.7.2	100 x 100 x 50mm	No	12		R	-
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>5.8</b>	<b>PVC Wiring in conduits:</b>					
5.8.1	2.5mm <sup>2</sup> for lights circuits	m	2200		R	-
5.8.2	4mm <sup>2</sup> for plug sockets circuits	m	3000		R	-
	Stranded Bare Copper Earth Wire					
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.					
5.8.3	2.5mm <sup>2</sup>	m	2200		R	-
5.8.5	4mm <sup>2</sup>	m				rate only
<b>5.9</b>	<b>Light Switches</b>					
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification.					
5.9.1	1 Lever 1 way	No	8		R	-
5.9.2	1 Lever 2 way	No				rate only
5.9.3	3 Lever 2 way	No				rate only
5.9.5	3 Lever 1 way	No				rate only
5.9.5	Photo cell	No	1		R	-
5.9.6	Motion Sensor	No				rate only
<b>5.1</b>	<b>Socket Outlets</b>					
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.					
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.					
	All flush type boxes and special pedestals measured elsewhere.					
	Flush switched sockets type:					
5.10.1	16A single socket outlets - ZA plug	No	9		R	-
5.10.2	Type F Socket outlet	No	1		R	-
5.10.3	Type D Socket outlet	No	1		R	-
5.10.5	Power Pole	No				rate only
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					R	-

<b>TOTAL FOR BILL - BROUGHT FORWARD</b>					R	-
<b>5.11</b>	<b>Light Fittings</b>					
	Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.					
	Fittings to be equal and similar approved to the below quoted manufacture.					
5.11.1	Type F1: 2x14W 600mm LED decorative fluorescent light	No				rate only
5.11.2	Type W1: 2x14W 600mm LED decorative vapour fluorescent light	No				rate only
5.11.3	1200x600mm 60W Recessed LED panel without dali modification	No				rate only
5.11.5	200W LED High Bay Pendant	No				rate only
5.11.5	Opal E-Batten 4FT 1140mm 45W - 4000K - IP20	No	24	R	12,500.00	-
5.11.6	15W LED Round Bulkhead 4000K	No	7	R		-
<b>5.12</b>	<b>Electrical Tests</b>					
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.					
5.12.1	Building installation	Sum	1	R	12,500.00	R 12,500.00
<b>5.15</b>	<b>Others</b>					
5.15.1	300 x 300mm - Telephone & Data DB	No				rate only
5.15.2	100 x 100 x 50mm - Draw box for Communication complete with blank cover	No				rate only
5.15.3	2 compartment power skirting complete with socket outlets and blabks for telephone and data points.	m	20	R		-
5.15.5	DATA and Telephone points on must include draw box, blank cover plate, etc,	No	12	R		-
5.15.5	Provide the Sum of R 28,500.00 for earthing and lightning protection	Sum	1	R	35,500.00	R 35,500.00
5.15.6	20A 2pole Isolator, in suitable York Box, for HVAC	No	4	R		-
5.15.7	40A Isolator points with complete and suitable fitting, for stove	No	1	R		-
<b>TOTAL FOR BILL PER BLOCK (3X FLOORS)- CARRIED FORWARD TO SUMMARY</b>					<b>R</b>	<b>-</b>

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
<b>6</b>	<b>AREA LIGHTING</b>				
<b>6.1</b>	<b>LOW VOLTAGE CABLE</b>				
	For the Supply, delivery to Site and Installation of the following Low Voltage Cable:(600/1000V PVC PVC SWA Cu)				
6.1.1	4mm x 4 core	m			R -
6.1.2	16mm x 2 core	m			rate only
6.1.3	2.5mm x 2 core	m	1500		R -
<b>6.2</b>	<b>BARE ALUMINIUM EARTH WIRE (STRANDED)</b>				
	For the Supply and Installation of the following BCE Wire to run with LV Cables:				
6.2.1	16mm sq ( With 25mm sq Cable )	m			
6.2.2	10mm sq ( With 10 - 16mm sq Cable )	m			
6.2.3	1.5mm sq ( With 2.5mm sq cable)	m			rate only
<b>6.3</b>	<b>LOW VOLTAGE CABLE TERMINATIONS</b>				
	For the supply of Indoor terminations including suitable Lugs and Glands for the Low Voltage Cable and BCE Wire:				
6.3.1	25mm x 4 core	No.			rate only
6.3.2	16mm x 4 core	No.			rate only
6.3.3	16mm x 2 core	No.			rate only
6.3.6	4mm x 2 core	No.			rate only
<b>6.6</b>	<b>BARE COPPER EARTH WIRE (STRANDED)</b>				
6.6.1	BCEW 16mm sq	No.			rate only
6.6.2	BCEW 10mm sq	No.			rate only
6.6.3	BCEW 1.5mm sq	No.	1500		R -
<b>6.6</b>	<b>LOW VOLTAGE CABLE JOINTS</b>				
	For the Supply, delivery to Site and Installation of the following Low Voltage Cable Joints:				
6.6.1	50mm x 4 core	No.			rate only
6.6.2	16mm x 4 core	No.			rate only
6.6.3	35mm x 2 core	No.			rate only
6.6.6	6mm x 4 core	No.			rate only
<b>6.7</b>	<b>Conduit Work</b>				
	Supply, delivery and installation of SABS approved PVC Conduits completed with all required conduit accessories.				
6.7.1	Built or Chase into brick or concrete work:				
6.7.2	20mm PVC conduit	m			rate only
6.7.3	25mm PVC conduit	m			rate only
	In Ceiling space and Timber work or along Purlins				
6.7.6	20mm PVC conduit	m	200		R -
6.7.6	25mm PVC conduit	m			rate only
	installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
6.7.6	20mm diameter 4 way type(round box)	No	10		R -
<b>TOTAL FOR BILL - CARRIED FORWARD</b>					<b>R -</b>

	<b>TOTAL BROUGHT FORWARD</b>				<b>R</b>	-
<b>6.8</b>	<b>STREETLIGHTS</b>					
	Supply, delivery to Site and Installation of the following Street light units complete as per Specification.					
6.8.1	Galvanised steel poles, 2m mounting height complete accessories. Colour - Mineral Grey (K913) RAL 7045	No.				rate only
6.8.2	Galvanised steel poles, 5m mounting height complete accessories. Colour - Mineral Grey (K913) RAL 7045	No.	27		R	-
6.8.3	Galvanised steel poles, 8m mounting height complete accessories. Colour - Mineral Grey (K913) RAL 7045	No.				rate only
6.8.6	Galvanised steel poles, 15m mounting height with 4 way mounting spigot complete accessories. Colour - Mineral Grey (K913) RAL 7045	No.				rate only
6.8.6	Beka shredder bollard 9LED/14W with all accessories	No.				rate only
6.8.6	Beka shredder zela with all accessories	No.				rate only
6.8.7	1200mm 2x14W LED vapourproof fluorescent luminaire	No				rate only
6.8.8	GEN 0-1 LED STREETLIGHT 51W - 650mA - OPTIC 41810 - 4000K MOUNTED ON 5M POLES	No	27		R	-
6.8.9	Beka shredder omnistar 144LED/463W with all accessories	No.				rate only
<b>6.9</b>	<b>WIRING ON THE POLE</b>					
6.9.1	600/1000V grade PVC insulated stranded copper conductors compete with terminations and accessories					
6.9.2	Norse cable 2.5mm <sup>2</sup> or( Equivalent ) and other accessories for street light connection from ABC to Luminaire	m				rate only
6.9.3	1.5mm <sup>2</sup> Stranded bare copper earth wire	m				rate only
<b>6.6</b>	<b><u>Earthing and Lightning Protection System</u></b>					
	<b>Earth Electrode</b>					
6.6.1	Supply and installation of 10mm <sup>2</sup> single core PVC SWA PVC cable earth Wire	m				rate only
6.6.2	Earth spikes 1,2m long and accessories all the way to light fitting	No.				rate only
6.6.3	Supply and install earthing accessories of the light fitting	No.				rate only
<b>6.11</b>	<b>TESTING AND COMMISSIONING</b>					
	Supply all Test equipment and Labour for Testing, Commissioning and Adjustment at Completion, as well as being in attendance for any Inspections and Tests that the Engineer may call for. All Eskom Standards and specifications will apply	sum	1	R	2,000.00	R 2,000.00
	<b>TOTAL CARRIED TO SUMMARY TOTAL CARRIED TO SUMMARY</b>				<b>R</b>	-

**C2.2 BILL OF QUANTITIES  
MECHANICAL INSTALLATIONS**

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2		<b>FIRE PROTECTION</b>				
		<b>Supply, delivery, installation, commissioning and testing of Fire Protection Systems complete with connections and fittings in Accordance with SANS 10400 Part T and SANS 10400 Part W</b>				
2.1	FHR/FH	<b>Supply, delivery, installation, commissioning and testing of Fire Hydrants &amp; Fire Hose Reels</b>				
2.1.1		Φ100 Two Port Booster with Pressure Guage	No	1		
2.1.2		Φ100mm Storz Hydrant – Φ100mm female BSP inlet & Φ100mm Storz outlet	No	1		
2.1.3		Φ65mm Outlet Outdoor Type Fire Hydrant	No	4		
2.1.4		Φ65mm, 30m MET Lay flat hose with coupling	No	0		
2.1.5		Φ100mm Non Return Valve and two gate valves	No	1		
2.1.6		Φ32mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	200		
2.1.7		Φ25mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hose Reel	m	200		
2.1.8		Φ65mm Galvanised Steel (SABS 62) Piping for Connection of Fire Hydrant	m	10		
2.1.9		Φ110mm Class 16 HDPE Piping Mains Connection	m	220		
2.1.10		Φ110mm x 6000mm Galvanised pipe FBE T1600/3	No	0		
2.1.11		Φ110mm x 1500 galvanised distance piece T1600/3	No	0		
2.1.12		Φ110mm galvanised Tee T1600/3 -CF 158mm	no	8		
2.1.13		Φ110mm x 80mm galvanised reducer T1600/3	No	7		
2.1.14		Φ110mm Galvanised elbow	No	4		
2.1.15		M20 x 65mm galvanised bolts and nuts	No	100		
2.1.16		100mm IR Gasket F/F T1600/3	No	0		
2.1.17		Supporting brackets	no	50		
2.1.18		Reducing Valves, Fittings and Accessories (Fire Hose Reels and Hydrants)	Sum	1		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.1.19		Red Oxide Imperial Paint	L	20		
2.1.20		Open Fire Hose Cabinet	No	50		
2.1.21		80 m <sup>3</sup> round tank, wall structure with zinc/aluminum alloy steel panels heavy dusty coating with multilayer woven pvc liner. Dome roof with zinc/aluminum Steel corrugated sheeths min 0.47mm thick with roof trusses hot dipped galvanized.	No	1		
2.1.22		Base/Plinth for Water Storage Tank	No	0	Incl.	
2.1.23		End suction Vertical centrifugal pump type <b>(Electric and Diesel Pumps)</b> , fire pump complete with 42l/s at a total head of 5.5 Bar including by pass arrangement for periodical testing of the working of the pump set as required, strainer on suction side and pressure gauge on delivery side etc.The pump shall be provided with mechanical seals and outlet manifold.The above mounted on a	No	2		
2.1.24		Squirel cage A.C induction motor suitable for operation on 415V, 3 Phase 50Hz A.C supply and of minimum 100kW for the above pump with flexible coupling as per specification	No	1	Incl.	
2.1.25		All coupling of pump and motor should be covered with safety guard		1	Incl.	
2.1.26		Jockey Pump: <b>1.5 L/s @ 5.5 Bar</b> Jockey Electrically driven	No	1	Incl.	
2.1.27		<b>PUMP ROOM PUMPHOUSE PIPEWORK &amp; ELECTRICAL CONNECTIONS</b>				
2.1.28		All pumphouse pipework and necessary valves as per tender drawings and specification	Sum	1		
2.1.29		All electrical panels, cabling, safeties, switches, etc for electrical pump, jockey pump and any other equipment housed within the pump house	Sum	1		
<b>2.2</b>	<b>FE</b>	<b>Supply, delivery, installation, commissioning and testing of Fire Extinguishers complete with chevron board</b>				
2.2.1		30m, 20mm diameter, non-swinging rotary pattern type Fire Hose Reels	No	4		
2.2.2		9 kg Dry Chemical Powder Portable Fire Extinguishers	No	0		
2.2.3		10 kg Carbon Dioxide Portable Fire Extinguishers	No	0		
2.2.4		2 kg Carbon Dioxide Portable Fire Extinguishers	No	1		
2.2.5		4.5 kg Dry Chemical Powder Portable Fire Extinguishers	No	15		
2.2.6		Fire Extinguishers Cabinet for 2kg CO <sub>2</sub>	No	1		
2.2.7		Fire Extinguishers Cabinet for 4.5kg DCP	No	15		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.8		Fire Extinguishers Cabinet for 10kg CO <sub>2</sub>	No	0		
2.2.9		Fire Extinguishers Cabinet for 9kg DCP	No	0		
2.2.10		Wooden Fire Extinguisher Boards	No	0		
<b>2.3</b>	<b>ES</b>	<b>Supply, delivery and installation of Evacuation Signage and Fire Escape Doors</b>				
2.3.1		E1/E2, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.2		E1/E2, Size: 380mm x 190mm (h x w) Vertical projecting double sided photoluminescent sign framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.3		E2, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.4		E1, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.5		E3, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	16		
2.3.6		E16/E17, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.7		E13/E14, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.3.8		E13, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
<b>2.4</b>	<b>FS</b>	<b>Supply, delivery and installation of Fire Equipment Signage</b>				
2.4.1		F2/F3, Size: 190mm x 760mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.2		F1, Size: 190mm x 760mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.3		F5/F6, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.4		F5, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.5		F4, Size: 190mm x 570mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	4		
2.4.6		F18/F21, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.4.7		F15, Size: 190mm x 190mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.8		F16/F19, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	0		
2.4.9		F13, Size: 190mm x 380mm (h x w) Double sided photoluminescent sign with back plate framed in natural anodised aluminium. Supply and install with steel wire and ceiling hook/onto mild steel bracket at 3.0 meters from finished floor level/mechanically mounted onto wall/fixture.	No	6		
2.5		<b>Testing and Commissioning of all Fire Protection Installations</b>				
2.5.1		Testing and Commissioning of all Fire Protection Installations	Sum	1		
<b>TOTAL BOUGHT DOWN (FIRE PROTECTION)</b>						<b>R</b>

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>3</b>		<b>WET SERVICES</b>				
		<b>Supply, delivery, installation, commissioning and testing of new water supply piping, c/w connections and fittings.</b>				
<b>3.1</b>	<b>SW</b>	<b>Supply, delivery, installation, commissioning and testing of cold/hot water supply system</b>				
3.1.1		Φ15mm PN10 PPR (Polypropylene Random Copolymer) piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	150		
3.1.2		Φ15mm PN16 PPR (Polypropylene Random Copolymer) Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	150		
3.1.3		Φ22mm PN16 PPR (Polypropylene Random Copolymer) Piping for Connection of Hot Water Supply Piping complete with connections, reducers and fittings	m	250		
3.1.4		Φ22mm PN10 PPR (Polypropylene Random Copolymer) Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	250		
3.1.5		Φ28mm PN16 PPR (Polypropylene Random Copolymer) Ring Main Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	50		
3.1.6		Φ28mm PN 10 PPR (Polypropylene Random Copolymer) Ring Main Piping for Connection of Cold Water Supply Piping complete with connections, reducers and fittings	m	50		
		<b>Supply and installation of copper pipes with fittings chased into the wall</b>				
3.1.7		15mm copper pipe	m	0		
3.1.8		22mm copper pipe	m	100		
3.1.9		28mm copper pipe	m	50		
3.1.10		63mm copper pipe	m	0		
		<b>Ancillaries</b>				
3.1.10		SABS Approved Copper Adjustable Pressure Reducing Valves	Sum	1		
3.1.11		Stop/Gate Valves	Sum	1		
3.1.12		Accessories (Braided Connectors, Elbows, Tees and etc.)	Sum	1		
<b>3.2</b>		<b>Solar Geysers</b>				
3.2.1		250L Indirect Solar Geyser	No	1		
3.2.2		2.5m² Flat Plate Collector (SABS)	No	1		
3.2.3		Glycol 5L Bottle (food grade)	No	12		

ITEM	REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2.4		Pipe 22x5.5m 460/0 Copper Tube	No	12		
3.2.5		Insul 7/8x1/2 Insuflex 22x13mmx1.83m	m	60		
3.2.6		Bottom Angle Bracket	No	12		
3.2.7		Consumables	Sum	1		
3.2.8		Parts Kit	Sum	12		
3.2.9		Hydroboil	sum	0		
<b>3.3</b>	<b>TC</b>	<b>Testing and Commissioning</b>				
3.3.1		Testing and Commissioning of all Installations	Sum	1		
<b>TOTAL BROUGHT DOWN (WET SERVICES)</b>						<b>R</b>

ITEM	REFERENCE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>4</b>						
<b>4.1</b>	<b>MWSU</b>	<b>Supply, delivery, installation, commissioning and testing of a 1.7KW, 2.2KW, 2.8KW and 3.8KW cooling capacity mid-wall split indoor unit complete with insulated refrigerant piping, condensate drains, trunking, electric wiring and connection, remote controls and top-up refrigerant</b>				
4.1.1		Mid-wall split indoor unit, 1.7 kW cooling capacity	No	1		
4.1.2		Wired Controller	No	1		
4.1.3		Chord for Wired Controller	m	1		
4.1.4		Interface Adapter for Wired Controller	No	1		
4.1.5		Refrigerant piping - Liquid (Φ 6.35mm) Flare Connection	m	10		
4.1.6		Refrigerant piping - Gas (Φ 12.7mm) Flare Connection	m	10		
4.1.7		Drain piping ID (Φ 13) VP13	m	5		
<b>4.2</b>						
4.2.1		Mid-wall split indoor unit, 2.2 kW cooling capacity	No	3		
4.2.2		Wired Controller	No	1		
4.2.3		Chord for Wired Controller	m	1		
4.2.4		Interface Adapter for Wired Controller	No	1		
4.2.5		Refrigerant piping - Liquid (Φ 6.35mm) Flare Connection	m	30		
4.2.6		Refrigerant piping - Gas (Φ 12.7mm) Flare Connection	m	30		
4.2.7		Drain piping ID (Φ 13) VP14	m	15		
<b>4.3</b>						
4.3.1		Mid-wall split indoor unit, 2.8 kW cooling capacity	No	1		
4.3.2		Wired Controller	No	1		
4.3.3		Chord for Wired Controller	m	1		
4.3.4		Interface Adapter for Wired Controller	No	1		

ITEM	REFERENCE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.3.5		Refrigerant piping - Liquid (Φ 6.35mm) Flare Connection	m	35		
4.3.6		Refrigerant piping - Gas (Φ 12.7mm) Flare Connection	m	35		
4.3.7		Drain piping ID (Φ 13) VP15	m	30		
<b>4.4</b>						
4.4.1		Mid-wall split indoor unit, 3.8 kW cooling capacity	No	1		
4.4.2		Wired Controller	No	1		
4.4.3		Chord for Wired Controller	m	1		
4.4.4		Interface Adapter for Wired Controller	No	1		
4.4.5		Refrigerant piping - Liquid (Φ 6.35mm) Flare Connection	m	35		
4.4.6		Refrigerant piping - Gas (Φ 12.7mm) Flare Connection	m	35		
4.4.7		Drain piping ID (Φ 13) VP16	m	35		
<b>4.5</b>	<b>FWBCCU</b>	<b>Supply, delivery, installation, commissioning and testing of a 5.3 kW &amp; 11.2 KW cooling capacity Four Way Blow Cassette unit complete with insulated refrigerant piping, condensate</b>				
4.5.1		Ceiling Mounted Four way Blow Cassette Units, 8 kW cooling capacity with Heat Pump and Inverter (SABS Approved or Equivalent)		1		
4.5.2		Wired Controller		1		
4.5.3		Chord for Wired Controller		1		
4.5.4		Interface Adapter for Wired Controller		1		
4.5.5		Refrigerant piping - Liquid (Φ 9.52mm) Flare Connection		30		
4.5.6		Refrigerant piping - Gas (Φ 15.9mm) Flare Connection		30		
4.5.7		Drain piping ID (Φ 25) VP25		30		
<b>4.6</b>						

ITEM	REFERENCE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.6.1		Ceiling Mounted Four way Blow Cassette Units, 5.3 kW cooling capacity with Heat Pump and Inverter (SABS Approved or Equivalent)	No	1		
4.6.2		Wired Controller	No	1		
4.6.3		Chord for Wired Controller	m	1		
4.6.4		Interface Adapter for Wired Controller	No	1		
4.6.5		Refrigerant piping - Liquid (Φ 9.52mm) Flare Connection	m	20		
4.6.6		Refrigerant piping - Gas (Φ 15.9mm) Flare Connection	m	20		
4.6.7		Drain piping ID (Φ 25) VP25	m	20		
<b>4.7</b>						
4.7.1		Ceiling Mounted Four way Blow Cassette Units, 11.2 kW cooling capacity with Heat Pump and Inverter (SABS Approved or Equivalent)	No	1		
4.7.2		Wired Controller	No	1		
4.7.3		Chord for Wired Controller	m	1		
4.7.4		Interface Adapter for Wired Controller	No	1		
4.7.5		Refrigerant piping - Liquid (Φ 9.52mm) Flare Connection	m	30		
4.7.6		Refrigerant piping - Gas (Φ 15.9mm) Flare Connection	m	30		
4.7.7		Drain piping ID (Φ 25) VP26	m	30		
<b>4.8</b>		<b>Supply and install cable rack and Galvanized trunking for refrigerant piping c/w joints and fixtures and fittings.</b>				
4.8.1		200mm wide cable rack	m	45		
4.8.2		100mmx100mm square Galvanised trunking	m	50		
<b>4.9</b>		<b>Supply PVC condensate pipes c/w joints and fixtures and fittings</b>				
4.9.1		25mm dia	m	200		
<b>4.10</b>		<b>TEST &amp; COMMISSION</b>				
4.10.1		Test and Commission	Item	1		
<b>TOTAL CARRIED TO SUMMARY (HVAC, SYSTEM OD1)</b>						<b>R</b>

**DIRANG KA NATLA COMPREHENSIVE SECONDARY SCHOOL  
SUMMARY: MECHANICAL WORKS INSTALLATION**

SECTION	DESCRIPTION	AMOUNT
1	Preliminary and General	R
2	Fire Protection	R
3	Wet Services - Cold Water and Hot Water Supply	R
4	Admin Office & Computer Air-Conditioning	R
	<b>SUB TOTAL 1</b>	<b>R</b>
	<b>CONTINGENCIES @ 10%</b>	<b>R</b>
<b>TOTAL BID PRICE VAT EXCL. (Carried to Final Summary)</b>		<b>R</b>

**Notes to tenders**

**Principal Agent: MK & ASSOCIATES**

**Client: Department of Education and Sport Development**

**Implementation Agent: Independent Development Trust (North-West)**

**Name of the School: DIRANG KA NATLA COMPREHENSIVE SCHOOL**

**Construction Period: Eight (8) Months**

**Escalation: NOT APPLICABLE**

**PENALTIES: 4 cents/R100**

Contract  
The JBCC Principal Building Agreement (May 2018 Edition 6.2)

**SCOPE OF WORK:**

## **C3 Scope of Work**

### **1 DESCRIPTION OF THE WORKS**

#### **1.1 Employer's objectives**

The primary objective of the employer is to appointment of a contractor for construction of 06 (six) new classrooms, new administration block and refurbishment of computer room & library at Dira kanatla secondary school.

The employer may include the following statement in the tender documents should the employer wish to have specific training carried out as an objective of the project:

One of the objectives of the project is to training ether of the following: (occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates)

The objective of the project is to provide for a minimum contract participation goal (CPG) of 5% of the total project value and to develop targeted enterprise by the main or lead partner contractors.

#### **1.2 Location of the works**

*Dirang Kanatla Secondary School:*

The project is located at Khuma Township in Dr Kenneth Kaunda District Municipality, North West Province. Site Coordinates: **S26°51'13,02" E26°49'36,86"**.

To be communicated to the winning Bidder before construction commences

### **2 DRAWINGS**

- **Architect – Annexure to the Tender Document**
- **Civil & Structural Engineer – Annexure to the Tender Document**
- **Electrical Engineer – Annexure to the Tender Document**
- **Mechanical Engineer – Annexure to the Tender Document**

### **3 Subcontracting**

#### **3.2**

##### **3.2.1 Scope of mandatory subcontract work**

As per the mandatory sub-contracting clause, the Contractor must not sub-contract more than 25%, 10% of which should be allocated to the IDT CDP contractors between 2GB and 3GB (list per cluster will be provided upon appointment).

The Contractor shall without delay enter into contracts with the Domestic Subcontractors as submitted on the returnable schedule and forward a copy of these agreements to the

Principal Agent. The Contractor shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.

The Contractor to take note of item 3.2.2 below

**3.2.2 Preferred subcontractors / suppliers**

**3.2.3 Subcontracting procedures**

See items 3.2.1 and 3.2.2 as well as BID data

**3.2.4 Attendance on subcontractors**

Attendance to Domestic Sub-contractors as stated above should be priced under the relevant items in the Preliminaries section of the bills of quantities. Attendance to nominated sub-contractors should be priced under the relevant items in the Provisional Sums section of the bills of quantities.

**4. MANAGEMENT**

**4.1 Recording of weather**

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

**4.2 Unauthorized persons**

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

**4.3 Management meetings**

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

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

**4.4 Forms for contract administration**

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

#### **4.5 Payment certificates**

The Contractor to ensure that the VAT invoice required with each certificate is delivered timeously. The date of the certificate will be that of the date when the certificate is received by the consultant.

The Contractor to ensure timeous submission of all required documentation for the expedient processing of payment certificates, as required by the client, eg BAS entity forms, company registration details, VAT clearance certificates, etc. The Contractor is responsible for such documentation submission.

#### **4.6 Addenda**



Project No.: 0334-1

## ELECTRICAL SPECIFICATION SHEET

Rev.	Date	Rev. Description	Prepared By	Concurred By
0	13-Jul-2023	First Issue	S rambau	EK Mensah

For Information Only



ELECTRICAL SPECIFICATION SHEET							
LIGHTING							
ITEM	Lighting Legend	Lighting Discription	Image	Area of Installation			
				Administration Block	3 CLR Block	Computer / Library	Site Lighting
1		4ft or 2ft T8 OPEN CHANNEL LUMINAIRE WITH 1x18 LED TUBE LIGHT FITTING SUPPLIED BY LIGHTNET OR EQUIVALENT		v	-	-	-
2		OPAL E-BATTEN 4FT 1140mm 45W - 4000K - IP20 LIGHT FITTING TO BE SUPPLIED BY LIGHTNET OR EQUIVALENT		v	v	v	-
3		15W LED ROUND BULKHEAD 4000k SUPPLIED BY LIGHTNET OR EQUIVALENT		v	v	v	-
4		GEN 0-1 LED STREETLIGHT 51W - 650mA - OPTIC 41810 - ON 5M POLES SUPPLIED BY GENLUX OR EQUIVALENT		-	-	-	v
5		13W LED RONDO RECESSED DOWNLIGHT - 4000K - IP20 supplied by lightnet or equivalent		v	-	-	-

SWITCHGEAR COMPONENTS							
ITEM	Switchgear Legend	Switchgear Discription	Image	Area Of Installation			
				Administration Block	3 CLR Block	Computer / Library	Site Lighting
1		16A single socket outlets - ZA plug		v	v	v	-
2		THREE TIE CLUSTER WALL BOX CONSISTING OF THE FOLLOWING: - 16 A NORMAL SOCKET - 16 A DEDICATED SOCKET - 2xRJ45 FOR DATA AND TEL		v	v	v	-
3		1 Lever 1 way		v	v	v	-

## INDEPENDENT DEVELOPMENT TRUST

**BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE. – BID NUMBER: DOE13NWER008**

### C4 Site Information

PROJECT NAME	LOCATION	LATITUDE	LONGITUDE
DIRANG KANATLA SECONDARY SCHOOL	KHUMA, STILLFONTEIN	S26°51'13,02"	E26°49'36,86"

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# **ADDENDUM A**

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## **Occupational Health and Safety Regulations**

GOVERNMENT NOTICE

DEPARTMENT OF LABOUR

No. R. ....

7 February 2014

**OCCUPATIONAL HEALTH AND SAFETY ACT, 1993**

# **CONSTRUCTION REGULATIONS, 2014**

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

ADDENDUM A

OCCUPATIONAL HEALTH AND SAFETY ACT, 1993  
Regulation 3 of the Construction Regulations, 2014

NOTIFICATION OF CONSTRUCTION WORK

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

\_\_\_\_\_

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

\_\_\_\_\_

2. Principal contractor's compensation registration number: \_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

4.(a) Name and postal address of designer(s) for the project:

\_\_\_\_\_

(b) Name and tel. no of designer(s) contact person:

\_\_\_\_\_

5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6.(1). \_\_\_\_\_

6. Name/s of principal contractor's sub-ordinate supervisors on site appointed in terms of regulation 6.(2).

\_\_\_\_\_

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

\_\_\_\_\_

8. Nature of the construction work:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. Expected commencement date: \_\_\_\_\_

10. Expected completion date: \_\_\_\_\_

11. Estimated maximum number of persons on the construction site.

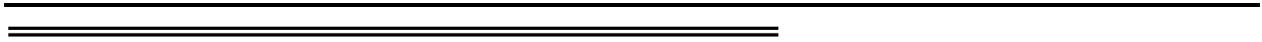
\_\_\_\_\_

12. Planned number of contractors on the construction site accountable to principal contractor:

\_\_\_\_\_

13. Name(s) of contractors already chosen.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



\_\_\_\_\_  
Principal Contractor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Client

\_\_\_\_\_  
Date

- THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.
- **ALL PRINCIPAL CONTRACTORS** THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

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# ADDENDUM B

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## Occupational Health and Safety Specification

APPOINTMENT OF A CONTRACTOR FOR CONSTRUCTION OF 06 (SIX) NEW CLASSROOMS, NEW ADMINISTRATION BLOCK AND REFURBISHMENT OF COMPUTER ROOM & LIBRARY AT DIRANG KANATLA SECONDARY SCHOOL FOR THE DEPARTMENT OF EDUCATION, NORTH WEST PROVINCE.

### INDEPENDENT DEVELOPMENT TRUST

(Hereinafter referred to as the Employer)

## OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

This specification shall be used in conjunction with all other applicable safety specifications, legislation and regulations in force at the time of the contract. Where unique site specifications are in force, those site specifications shall take precedence over this Specification.

The Independent Development Trust (IDT)

4071 Joules Street  
Industrial Site  
Mahikeng  
2745

**ADDENDUM "A"**

**PRO-FORMA AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT  
1993**

**Contract**

**BID No: DOE13NWER008 - CONTRACTOR**

**Addendum B**

**Occupational Health and Safety Specification**

**PRO-FORMA AGREEMENT IN TERMS OF**

**OCCUPATIONAL HEALTH AND SAFETY ACT 1993 – SECTION 37 (2)**

**NEW CONSTRUCTION SAFETY REGULATIONS**

The above-mentioned regulations were promulgated in the Govt. Gazette on Friday, 18 July 2014 under the Occupational Health & Safety Act (85 of 1993) and are now in force.

The Employer and the Contractor hereby agree, in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act 1993 (Act 85 of 1993, hereinafter referred to as the Act), that the following arrangements and procedures shall apply between them to ensure compliance by the Contractor with the provisions of the Act, namely:

- (a) The Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all the relevant provisions of the Act and the regulations promulgated in terms of the Act, and the Employer's Health and Safety Specifications included in the contract documents.
- (b) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed in terms of the Act and Regulations and the Employer's Health and Safety Specifications included in the contract documents will be complied with in all respects.
- (c) In relation to any work or activity performed by the Contractor, his workmen or any other person for whose acts or omissions the Contractor is responsible in terms of the Contract, the Contractor hereby accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and Regulations and expressly absolves the Employer from itself being obliged to comply with any of the aforesaid duties, obligations and prohibitions.
- (d) The Contractor agrees that any duly authorised officials of the Employer shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the Contractor has complied with his undertakings as set out more fully in paragraphs (a) and (b) above, which steps may include, but will not be limited to,

the right to inspect any appropriate site or premises occupied by the Contractor, or to inspect any appropriate records held by the Contractor.

(e) The Contractor shall be obliged to report forthwith in writing to the Representative/Agent full details of any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act and Regulations, pursuant to work performed in terms of this Contract.

(f) Forward "safety meeting" minutes to the representative/Agent.

For the Employer: \_\_\_\_\_ Date: \_\_\_\_\_

Witnesses: 1) : \_\_\_\_\_ 2) \_\_\_\_\_

For the Contractor: \_\_\_\_\_ Date: \_\_\_\_\_

Witnesses: 1) : \_\_\_\_\_ 2) \_\_\_\_\_

**ADDENDUM "B"**

**NOTIFICATION OF CONSTRUCTION WORK**

**Contract**

**BID No: DOE13NWER008 - CONTRACTOR**

**Addendum B**

**Occupational Health and Safety Specification**

**NOTIFICATION OF CONSTRUCTION WORK**  
(Regulation 3 of the Construction Regulations, 2014)

**1. CONTRACTOR**

1.1 Name and postal address of Contractor:

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---

---

1.2 Name and telephone number of Contractor's contact person :

---

1.3 Contractor's compensation registration number:

---

1.4 Name and telephone number of Contractor's Construction Supervisor :

---

1.5 Physical address of the construction site or site office:

---

---

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1.5 Estimated number of persons on the construction site:

---

1.6 Estimated number of Subcontractors on the construction site accountable to the Contractor:

---

**2. EMPLOYER**

2.1 Name and postal address of Employer :

---

---

---

2.2 Name and telephone number of Employer's Principal Agent:

---

**3. DESIGN CONSULTANTS**

3.1 Name and postal address of OHS consultants:

3.1.1 Occupational Health and Safety

**To be advised**

3.1.2 Other (if any):

---

3.2 Name and telephone number of design consultant's contact person:

3.2.1 Construction project managers/ Principal Agent:

---

3.2.2 Architects:

---

3.2.3 Structural engineer :

---

3.2.4 Electrical engineer:

---

3.2.5 Mechanical engineer:

---

3.2.6 Civil engineer:

---

3.2.7 Other (if any):

---

**4. THE WORKS**

Nature of the works:

Commencement date:

\_\_\_\_\_

Completion date:

\_\_\_\_\_

Contractor: \_\_\_\_\_ Date: \_\_\_\_\_

Employer: \_\_\_\_\_ Date: \_\_\_\_\_

**THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR PRIOR TO COMMENCEMENT OF WORK ON SITE.**

**ALL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER CONTRACTOR ON THE SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK**

<b>Project</b>	Dirang Ka Natla Secondary School – Classroom Construction
<b>Task</b>	Occupational Health & Safety Compliance
<b>Service Provider</b>	Cathnen Trading Enterprise
<b>Report</b>	Occupational Health and Safety Specification
<b>Version</b>	1.0
<b>Revision</b>	Final
<b>Date</b>	27 June 2023



### **Approval**

*The signatories hereof, being duly authorised thereto, by their signatures hereto authorise the work detailed herein, or confirm their acceptance of the contents hereof and authorise the adoption thereof for and on behalf of the parties represented by them.*

<b>Name</b>	<b>Rank</b>	<b>Date</b>	<b>Signature</b>
Teboho Lengolo	Health & Safety Consultant		
Tebogo Oageng	Project Manager		

## DOCUMENT CONTROL

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### DOCUMENT AMMENDMENT HISTORY

**Standardised approach to version history:** Version numbers 0.1, 0,2 etc. should be used each time there is an update to the draft document. Once the document has been finalised it becomes v1.0 and signed off. Draft changes to V1.0 reflect as 1.1, 1.2 etc. and once finalised become V2.0 and signed off.

Version	Date	Author/Editor	Description/Summary of Changes
0.1	31 May 2023	Teboho Lengolo	Draft Compilation
0.2	01 June 2023	Teboho Lengolo	Document Compilation
0.3	10 June 2023	Teboho Lengolo	Revise: Introduction Table Contents Conclusion
1.0	27 June 2023	Teboho Lengolo	Finalise Document/Approval

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# Occupational health and safety specification for construction works contracts

## 1 Scope

This health and safety specification in respect of an engineering and construction works contract:

- a) provides the overarching framework within which the Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the Occupational Health and Safety Act of 1993;
- b) establishes the way the Contractor is to manage the risk of health and safety incidents in the execution of the contract; and
- c) establishes the way the Employer's health and safety agent will interact with the Contractor.

- Note:**
- 1) This specification establishes general requirements to enable the Employer and the Contractor to satisfy the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Construction Regulations, 2003.
  - 2) The Construction Regulations, 2003, require an Employer to stop any Contractor from executing construction work which is not in accordance with the Contractor's health and safety plan for the site or which poses to be a threat to the health and safety of persons.
  - 3) This specification establishes generic health and safety requirements. Site specific requirements for health and safety are stated in the scope of work associated with a contract.

## 2 Definitions

**Act:** the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

**competent person:** any person having the knowledge, training and experience specific to the work or task being performed

**Employer's Health and Safety Agent:** the person appointed as agent by the Employer in terms of Regulation 4(5) of the Construction regulations and named in the contract data as the being the employer's agent responsible for health and safety matters

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

**hazard:** a source of or exposure to danger

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

**health and safety plan:** a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified.

**healthy:** free from illness or injury attributable to occupational causes

**incident:** an event or occurrence occurring at work or arising out of or in connection with the activities of persons at work, or in connection with the use of plant or machinery, in which, or in consequence of which:

- a) any person dies, becomes unconscious, suffers the loss of a limb or part of a limb or is otherwise injured or becomes ill to such a degree that he is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or to continue with the activity for which he was employed or is usually employed;
- b) a major incident occurred; or
- c) the health or safety of any person was endangered and where:
  - i) a dangerous substance was spilled;
  - ii) the uncontrolled release of any substance under pressure took place;
  - iii) machinery or any part thereof fractured or failed resulting in flying, falling or uncontrolled moving objects; or machinery ran out of control

**inspector:** a person designated as such under section 28 the Act

**major incident:** an occurrence of catastrophic proportions, resulting from the use of plant or machinery, or from activities at a workplace

**reasonably practicable:** practicable having regard to:

- a) the severity and scope of the hazard or risk concerned;
- b) the state of knowledge reasonably available concerning that hazard or risk and of any means of removing or mitigating that hazard or risk;

- c) the availability and suitability of means to remove or mitigate that hazard or risk; and
- d) the cost of removing or mitigating that hazard or risk in relation to the benefits deriving therefrom;

**registered person:** a person registered in terms of the Electrical Installation Regulations

**risk:** the probability that injury or damage will occur

**safe:** free from any hazard

**scaffold:** any temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials or both

### **structure**

- a) any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks, reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam, wall, mast, tower, tower crane, batching plants, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;
- b) any formwork, false work, scaffold or other structure designed or used to provide support or means of access during construction work; or

- c) any fixed plant in respect of work which includes the installation, commissioning, decommissioning or dismantling and where any such work involves a risk of a person falling two metres or more

**substance:** any solid, liquid, vapour, gas or aerosol, or combination thereof

**suitable:** capable of fulfilling or having fulfilled the intended function or fit for its intended purpose

**workplace:** any premises or place where a person performs work in the course of his employment

### 3 Interpretation

**3.1** The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification.

**3.2** Compliance with the requirements of this specification does not necessarily result in compliance with the provisions of the Act.

## 4 Requirements

### 4.1 General requirement

The Contractor shall:

- a) create and maintain a safe and healthy work environment,
- b) execute the works in a manner that complies with all the requirements of the Act and all its associated regulations, and in so doing, minimize the risk of incidents occurring; and
- c) respond to the notices issued by the Employer's Health and Safety Agent as follows:
  - 1) Improvement Notice: improve health and safety performance over time so that repeat notices are not issued;
  - 2) Contravention Notice: rectify contravention as soon as possible;

- 3) Prohibition Notice: terminate affected activities with immediate effect and only recommence activities when it is safe to do so.

## 4.2 Administration

### 4.2.1 Notification of intention to commence construction work

- The Contractor shall notify the Provincial Director of Labour in writing using a form similar to that contained in Annexure A of the Construction Regulations issued in terms of the Act before construction work commences and retain a copy of such notification in the health and safety file where such work:
  - involves the demolition of a structure exceeding a height of 3m;

- involves the use of explosives to perform construction work;
- involves the dismantling of fixed plant at a height greater than 3m;
- exceeds 30 days or will involve more than 300 person days of construction work; and includes:
  - excavation work deeper than 1m; or
  - working at a height greater than 3 m above ground or a landing.
- The Contractor shall ensure that no work commences on an electrical installation which requires a new supply or an increase in electricity supply before the person who supplies or contracts or agrees to supply electricity to that electrical installation has been notified of such work.
- The Contractor shall ensure that no asbestos work is carried out before the Provincial Director of the Department of Labour has been notified in writing.

#### **4.2.2 Copy of the Act**

The Contractor shall ensure that a copy of the Act and relevant regulations is available on site for inspection by any person engaged in any activity on the site.

#### **4.2.3 Good standing with the compensation fund or a licensed compensation insurer**

The Contractor shall before commence with any works on the site provide the Employer's Health and Safety Representative with proof of good standing with the compensation fund or with a licensed compensation insurer.

#### **4.2.4 Emergency procedures**

- The Contractor shall submit for acceptance to the Employer's Health and Safety Agent an emergency procedure which include but are not limited to fire, spills, accidents to employees, exposure to hazardous substances, which:
  - identifies the key personnel who are to be notified of any emergency;
  - sets out details including contact particulars of available emergency services; and

- the actions or steps which are to be taken during an emergency.
- The Contractor shall within 24 hours of an emergency taking place notify the Employer's Health and Safety Agent in writing of the emergency and briefly outline what happened and how it was dealt with.

#### 4.2.5 Health and safety file

- The Contractor shall maintain on site a health and safety file which contains copies of the following, as relevant:
  - **documents required prior to commencing with physical construction activities**
    - the Contractor's health and safety policy, signed by the chief executive officer, which outlines the Contractor's objectives and how they will be achieved and implemented by the Contractor;
    - the notification made to the Provincial Director of Labour, and if relevant, the notification of the person who supplies or contracts or agrees to supply electricity to that electrical installation;
    - the letters of appointment, as relevant, of the construction supervisor for the site in respect of construction works covered by the Construction Regulations and the registered person responsible for the electrical installation covered by the Electrical Installations Regulations;
    - a copy of the certificate of registration of the registered person responsible for the electrical installation covered by the Electrical Installations Regulations;
    - the approval of the design of the part of an electrical installation which has a voltage in excess of 1 kV by a person deemed competent in terms of the Electrical Installations Regulations;
    - proof of registration of the electrical contractor who undertakes the electrical installation in terms of the Electrical Installations Regulations;
    - the preliminary hazard identification undertaken by a competent person;

- the organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers; and
  - the contractor's health and safety plan;
  - the emergency procedures;
  - the procedure for the replacement of lost, stolen, worn or damaged personal protective clothing and
  - proof that the contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- **documents required after construction activities have commenced**
- the letters of appointments, if relevant, of:
    - ❖ persons who are required to assist the construction supervisor;
    - ❖ safety officers;
    - ❖ health and safety representatives;
    - ❖ replacement construction supervisor, and
    - ❖ assistants of construction supervisor.
    - ❖ any revisions to the organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers;
    - ❖ each and every subcontract agreement;
    - ❖ proof that the every subcontractor is registered and in good standing with the compensation fund or with a licensed compensation insurer;
    - ❖ proof of all subcontractor's induction training whenever it is conducted;
    - ❖ copies of the minutes of the Contractor's subcontractors health and safety meetings;
    - ❖ copies of each of the Contractor's subcontractors' health and safety policy, signed by the chief executive officer, which outlines the Contractor's objectives and how they will be achieved and implemented by the Contractor;
    - ❖ the health and safety plans of all the Contractor's subcontractors who are required to provide such plans;

- ❖ a comprehensive and updated list of all the subcontractors employed on site by the contractor, indicating the type of work being performed by such sub-contractors;
- ❖ the outcomes of the monthly audits for compliance with the approved health and safety plan of each and every sub-contractor working on the site;
- ❖ any report made to an inspector by the health and safety committee;
- ❖ the minutes of all health and safety meetings and any recommendations made to the Contractor by the health and safety committee;
- ❖ the findings of all audit reports made regarding the implementation of the Contractor's or a subcontractor's health and safety plan;
- ❖ the inputs of the safety officer, if any, into the health and safety plan;
- ❖ details of induction training conducted whenever it is conducted including the list of attendees;
- ❖ proof of the following where suspended platforms are used:
  - a certificate of system design issued by a professional engineer, professional certificated engineer or a professional engineering technologist;
  - proof of competency of erectors;
  - proof of compliance of operational design calculations with requirements of the system design certificate;
  - proof of performance test results;
  - sketches indicating the completed system with the operational loading capacity of the platform;
  - procedures for and records of inspections having been carried out;
  - procedures for and records of maintenance work having been carried out;

- proof that the prescribed documentation has been forwarded to the provincial director;
- ❖ letters of appointments for competent persons to supervise the activities which law requires to be so supervised;
- ❖ a copy of risk assessments made by competent persons;
  - a certificate of system design issued by a professional engineer, professional certificated engineer or a professional engineering technologist;
  - proof of competency of erectors;
  - proof of compliance of operational design calculations with requirements of the system design certificate;
  - proof of performance test results;
  - sketches indicating the completed system with the operational loading capacity of the platform;
  - procedures for and records of inspections having been carried out;
  - procedures for and records of maintenance work having been carried out;
  - proof that the prescribed documentation has been forwarded to the provincial director;
  - records of the register of inspections made by a competent person immediately before and during the placement of concrete or any other load on formwork;
  - the names of the first aiders on site and copies of the first aid certificates of competency;
  - the names of the persons the persons who are in possession of valid certificate of competency in first aid and copies of such certificates;
  - details of all incidents together with the Contractor's report on such incident; and
  - the record of inspections carried out by the designers of structures to ensure compliance with designs.

- The health and safety file shall be made available for inspection by any inspector, subcontractor, the Project Manager, the Employer's Health and Safety Agent or employee of the Contractor upon the request of such persons.
- The Contractor shall hand over the health and safety file to the Employer's Health and Safety Agent upon completion of the contract and if relevant, a certificate of compliance accompanied by a test report for the electrical installation in accordance with the provisions of the Electrical Installation Regulations.

#### **4.2.6 Health and safety committee**

- The Contractor shall convene health and safety meetings whenever more than two health and safety representatives have been appointed for the site. These meetings shall be attended by all health and safety representatives and persons nominated by the Contractor. Such meetings shall be convened at least once every month to:
  - make recommendations to the Contractor regarding any matter affecting the health or safety of persons on the site; and
  - discuss any incident on the site in which or in consequence of which any person was injured, became ill or died.
- The Contractor shall consult with the health and safety committee on the development, monitoring and review of the risk assessment.
- The Contractor shall ensure that minutes of the health and safety committee meetings are kept.
- The Employer's Health and Safety Agent shall be invited to attend such meetings as an observer.

#### **4.2.7 Inspections, formal enquires and incidents**

- The Contractor shall inform the relevant safety representative:
  - beforehand of inspections, investigations or formal inquiries of which he has been notified by an inspector; and

- as soon as reasonably practicable of the occurrence of an incident on the site.
- The Contractor shall record all incidents and notify the Employer's Health and Safety Agent of any incident, except in the case of a traffic accident on a public road, as soon as possible after it has occurred and report such incidence to an inspector.
- The Contractor shall investigate all incidents and issue the Employer's Health and Safety Agent with copies of such investigations.

#### **4.2.8 Personal protective equipment and clothing**

The Contractor shall ensure that:

- all workers are issued with the necessary personal protective clothing;
- all workers are identifiable at all times by having the company for which they work for printed on the back or front of their overalls; and
- clear procedures are in place for the replacement of lost, stolen, worn or damage personal protective clothing.

### **4.3 Appointments**

#### **4.3.1 Health and safety representatives**

The Contractor shall appoint in writing one health and safety representative for every 50 employees working on the site, whenever there are more than 20 employees on the site, to:

- review the effectiveness of health and safety measures;
- identify potential hazards and potential major incidents;
- in collaboration with his employer, examine the causes of incidents;
- investigate complaints by any employee of the Contractor relating to that employee's health or safety on the site;
- make representations to the Contractor on matters arising from a), b), c) or d) or on general matters affecting the health or safety of the employees at the workplace;

- inspect the site with a view to, the health and safety of employees, at regular intervals;
- participate in consultations with inspectors at the workplace and accompany inspectors on inspections of the workplace; and
- participate in any internal health or safety audit.

The Contractor shall provide the health and safety representatives with the necessary assistance, facilities and training to carry out the functions established in 4.3.1.

#### **4.3.2 Appointment of construction supervisor and safety officers**

- The Contractor shall, prior to commencing the work, appoint a full-time competent employee in writing as the construction supervisor for the site, with the duty of supervising the performance of the work falling within the scope of the contract and may appoint one or more competent employees to assist the appointed construction supervisor.
- The Contractor may, having considered the size of the project, the degree of dangers likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction safety officer in writing, who has in the Contractor's opinion the necessary competencies and resources, to assist the Contractor in the control of all safety related aspects on the site.
- The Contractor shall compile and maintain an organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers.

#### **4.3.3 Competent persons**

- The Contractor shall appoint in writing competent persons to supervise or inspect, as relevant, any of the following:
  - excavation work;
  - formwork support work operations;
  - demolition work;
  - scaffolding work operations;
  - suspended platform work operations;

- material hoists;
- operation of batch plants;
- explosive power tools;
- vehicles and mobile equipment;
- fire equipment; and
- the stacking and storage of articles on the site.
- The Contractor shall appoint in writing competent persons to:
  - induct employees in health and safety; and
  - prepare a fall protection plan.

#### **4.4 Employer's health and safety agent**

- The Employer's Health and Safety Agent shall:
  - audit the Contractor's compliance with the requirements of this specification prior to the commencement of any physical construction activities on the site;
  - accept or reject all safety plans, giving reasons for rejecting such plans;
  - monitor the effective implementation of all safety plans;
  - conduct periodic and random audits on the health and safety file to establish compliance with the requirements of this specification;
  - visit the site at regular intervals to conduct site inspections, and based upon such visits issue, wherever necessary, Improvement Notices, Contravention Notices and Prohibition Notices, to the Contractor or any of the Contractor's subcontractors with a copy to the
    - Project Manager and, where relevant, to the Contractor.
- The Contractor shall invite the Employer's Health and Safety Agent to audit compliance with the requirements of this specification before commencing with any physical construction activity on the site.

## 4.5 Creating and maintaining a safe and healthy work environment

### 4.5.1 General

The Contractor shall with respect to the site and the construction works that are contemplated:

- cause a preliminary hazard identification to be performed by a competent person before commencing any physical construction activity;
- evaluate the risks associated with such work constituting a hazard to the health and safety of such employees and the steps that need to be taken to comply with the Act; and
- as far as is reasonably practicable, prevent the exposure of such employees to the hazards concerned or, where prevention is not reasonably practicable, minimize such exposure.

The Contractor shall ensure that:

- all reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying out of construction work;
- no structure or part of a structure is loaded in a manner which would render it unsafe; and
- account of information, if any, provided by the designer of the structure is taken into account in the risk assessment;

**Note:** The information provided by the designer should outline known or anticipated dangers or hazards relating to the works and make available all information required for the safe execution of the work. It should provide as relevant, geotechnical information (or make reference to reports provided in the site information), the loading the structure is designed to withstand, the methods and sequence of construction.

The Contractor shall carry out regular inspections and audits to ensure that the works are being performed in accordance with the requirements of this specification.

#### 4.5.2 Risk assessment

- The Contractor shall before the commencement of any work on site and during construction work, cause a risk assessment to be performed by a competent person appointed in writing. Such an assessment shall as a minimum:
  - identify the risks and hazards to which persons may be exposed to.
  - analyse and evaluate the identified risks and hazards.
  - document a plan of safe work procedures, including the use of any personal protective equipment or clothing and the undertaking of periodic “toolbox talks” or inductions before
  - Undertaking hazardous work, to mitigate, reduce or control the risks and hazards that have been identified.
  - provide a monitoring plan; and
  - provide a review plan.

**Note:** A risk assessment is an important step in protecting workers as well as complying with the law. It helps to focus on the risks that really matter in a particular workplace – the ones with the potential to cause real harm. Workers and others have a right to be protected from harm caused by a failure to take reasonable control measures. The following four steps are recommended:

- 1) **Identify the hazards** by looking at what could reasonably be expected to cause harm, ask employees or their representatives what they think, obtain advice from trade associations or publications on health and safety, check manufacturer’s instructions or data sheets for chemicals and equipment as they can be very helpful in spelling out the hazards and putting them in their true perspective, review accident and ill-health records, think about long-term hazards to health (eg high levels of noise or exposure to harmful substances) as well as safety hazards etc.
  - 2) **Identify who may be harmed and how** by identifying how groups of people might be harmed i.e. what type of injury or ill health might occur.
  - 3) **Evaluate the risks and decide on precautions** by doing everything ‘reasonably practicable’ to protect people from harm i.e. by looking at how things are done, what controls are in place and how the work is organised and comparing this against good practice to see if more can be done to bring practices up to standard. Consider if the hazard can be got rid of all together, and if not how can the risks be controlled so that harm is unlikely, e.g. try a less risky option (eg switch to using a less hazardous chemical); prevent access to the hazard (eg by guarding); organise work to reduce exposure to the hazard (eg put barriers between pedestrians and traffic); issue personal protective equipment (e.g. clothing, footwear, goggles etc); and provide welfare facilities (e.g. first aid and washing facilities for removal of contamination).
  - 4) **Record the findings** by writing down the findings of the risk assessment.
- The Contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.
  - Notwithstanding the provisions of the fall protection plan, the Contractor shall ensure that:

- all unprotected openings in floors, edges, slabs, hatchways and stairways are adequately guarded, fenced or barricaded or that similar means are used to safeguard any person from falling through such openings;
- no person works in an elevated position, unless such work is performed safely as if working from a scaffold or ladder;
- notices are conspicuously placed at all openings where the possibility exists that a person might fall through such openings;
- fall prevention and fall arrest equipment is:
  - suitable and of sufficient strength for the purpose or purposes for which it is being used having regard to the work being carried out and the load, including any person, it is intended to bear; and
  - securely attached to a structure or plant and the structure or plant and the means of attachment thereto is suitable and of sufficient strength and stability for the purpose of safely supporting the equipment and any person who is liable to fall;
  - fall arrest equipment is only used where it is not reasonably practicable to use fall prevention equipment; and
  - suitable and sufficient steps are taken to ensure, as far as is reasonably practicable, that in the event of a fall by any person, the fall arrest equipment or the surrounding environment does not cause injury to the person.

Where roof work is being performed on a construction site, the Contractor shall ensure that it is indicated in the fall protection plan that:

- the roof work has been properly planned;
- the roof erectors are competent to carry out the work;
- no employees are permitted to work on roofs during inclement weather conditions or if weather conditions are a hazard to the health and safety of the employees;

- prominent warning notices are to be placed where all covers to openings are not of sufficient strength to withstand any imposed loads and where fragile material exists;
- the areas mentioned in paragraph (d) are to be barricaded off to prevent persons from entering;
- suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and
- there is suitable and sufficient guard-rails or barriers and toe-boards or other similar means of protection to prevent, so far as is reasonably practicable, the fall of any person, material or equipment.

#### 4.5.3 Health and safety plans

- The Contractor shall prior to commencing the works to which this specification applies, submit to the Employer’s Health and Safety Agent for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted.
- The health and safety plan shall as a minimum provide:
  - the information contained in Table 1 in respect of each of the hazards associated with work falling within the scope of the contract (see Figure 1); and

**Table 1: Example of the format of a health and safety plan**

What are the hazards relating to work tasks?	Who might be harmed and how?	What are the safe work procedures for the site?	What further action is necessary (monitoring and review)?	Action by whom	Action by when

- an outline of the manner in which the Contractor intends complying with the requirements of this specification.
- The Contractor shall discuss the submitted health and safety plan with the Employer’s Health and Safety Agent, modify such plan in the light of the discussions and resubmit the modified plan for approval.

- The Contractor shall apply the approved health and safety plan from the date of its commencement and for the duration of the works to which this specification applies.
- The Contractor shall conduct periodic audits for compliance with the approved health and safety plan at intervals agreed upon with the Employer's Health and Safety Agent, but at least once every month.
- The Contractor shall update the health and safety plan whenever changes to the works are brought about.

#### **4.5.4 Fall protection plan**

- The Contractor shall require a competent person to prepare a fall protection plan in compliance with the requirements of the Construction Regulation.
- The Contractor shall ensure that the construction supervisor is in possession of the most recently updated version of the fall protection plan.

#### **4.5.5 Responsibilities towards employees and visitors**

- The Contractor shall as far as is reasonably practicable, cause every employee to be made conversant with the hazards to his health and safety attached to any work which he has to perform, any article or substance which he has to produce, process, use, handle, store or transport and any plant or machinery which he is required or permitted to use, as well as with the precautionary measures which should be taken and observed with respect to those hazards or safe work procedures.
- The Contractor shall ensure that all employees under his or her control are:
  - informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
  - issued with proof of health and safety induction training issued by a competent person and carry proof of such induction when working on site.

- The Contractor shall cause a record of training to be kept which indicates the names, identity numbers and job description of all those who attended such training.
- The Contractor shall not allow or permit any employee to enter the site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.
- The Contractor shall ensure that each visitor to a construction site, save where such visitor only visits the site office and is not in direct contact with the construction work activities:
  - undergoes health and safety instruction pertaining to the hazards prevalent on the site; and
  - is provided with the necessary personal protective equipment.
- The Contractor shall provide suitable on-site signage to alert workers and visitors to health and safety requirements. Such signage shall include but not be limited to:
  - unauthorized entrance prohibited;
  - signage to indicate what personal protective equipment is to be worn; and
  - activity related signs.
- The Contractor shall not permit any person who is or who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at a workplace.

#### **4.5.6 Subcontractors**

- The Contractor may only subcontract work in terms of a written subcontract and shall only appoint a subcontractor should he be reasonably satisfied that such a subcontractor has the necessary competencies and resources to safely perform the work falling within the scope of the contract. Such a subcontract shall require that the subcontractor to:
  - co-operate with the Contractor as far as is necessary to enable both the Contractor and sub-contractor to comply with the provisions of the Act; and
  - as far as is reasonably practicable, promptly provide the Contractor with any information which might affect the health and safety of any person at work carrying out work or any person who might be affected by the work

of such a person at work or which might justify a review of the health and safety plan.

- The Contractor shall provide any sub-contractor who is submitting a tender or appointed to perform a sub-contract falling within the scope of the contract, with the relevant sections of this specification and any work specific information which might be pertinent to the sub-contract.
- The Contractor shall take reasonable steps as are necessary to ensure:
  - co-operation between all sub-contractors to enable each of those sub-contractors to comply with the requirements of the Act and associated regulations; and
  - that each sub-contractor's health and safety plan is implemented.
- The Contractor shall conduct periodic audits for compliance with the approved health and safety plan of each and every sub-contractor working on the site at intervals agreed upon with such subcontractors, but at least once per month.
- The Contractor shall stop any subcontractor from executing construction work which is not in accordance with the Contractor's or subcontractor's health and safety plan for the site or which poses a threat to the health and safety of persons.
- The Contractor shall ensure that where changes to the works occur, sufficient health and safety information and appropriate resources are made available to subcontractor to execute the work safely.
- The Contractor shall ensure that:
  - every subcontractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site;
  - potential subcontractors submitting tenders have made provision for the cost of health and safety measures during the construction process; and
  - every subcontractor has in place a documented health and safety plan prior to commencing any work on site which falls within the scope of the contract.

- The contractor shall receive, discuss and approve health and safety plans submitted by subcontractors.
- The contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.
- The contractor shall reasonably satisfy himself that all employees of subcontractors are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment.
- The Contractor shall satisfy himself that ensure that all subcontractor employees deployed in the site are:
  - informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
  - issued with proof of health and safety induction training issued by a competent person and carry proof such induction when working on site.

#### **4.5.7 First aid, emergency equipment and procedures**

- The Contractor shall where more than five employees are employed at a workplace, provide a first aid box or boxes at or near the workplace which shall be available and accessible for the treatment of injured persons at that workplace. Such first aid boxes shall contain suitable first aid equipment.
- The Contractor shall ensure that where there are more than 10 employees employed on the site that for every group of up to 50 employees at that workplace, at least one person is

readily available during normal working hours, who is in possession of a valid certificate of competency in first aid.

#### 4.5.8 Facilities for workers

- The Contractor shall provide and keep clean and fit for use at or within reasonable access of the site:
  - at least one shower facility for every 15 workers;
  - at least one sanitary facility for every 30 workers;
  - changing facilities for each sex; and
  - sheltered eating areas.

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

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# **ADDENDUM C**

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## **Environmental Management Plan**

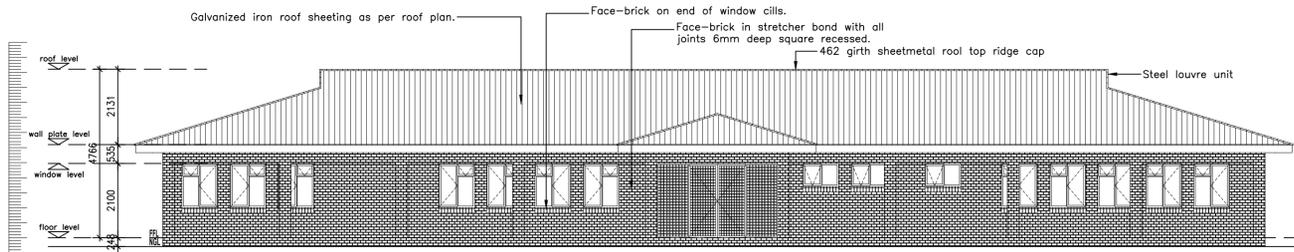
TO BE PROVIDED BY THE SUCCESSFUL BIDDER

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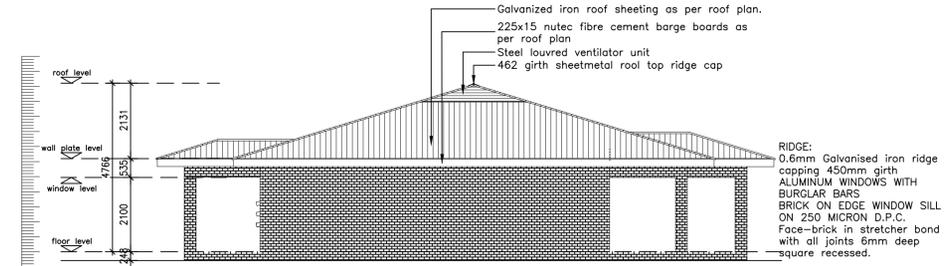
# **ADDENDUM I**

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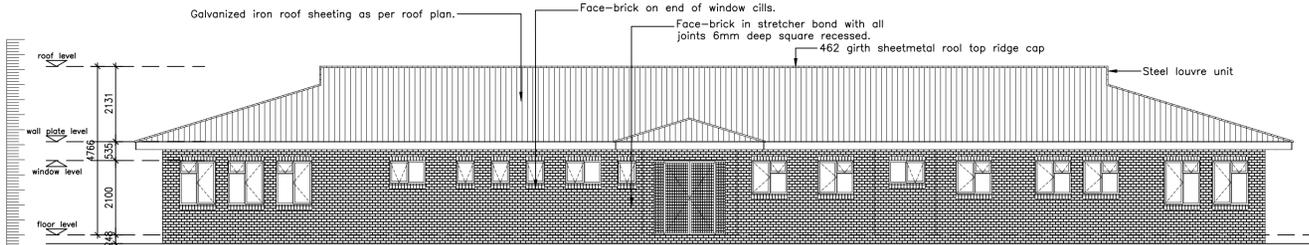
## **Drawings**



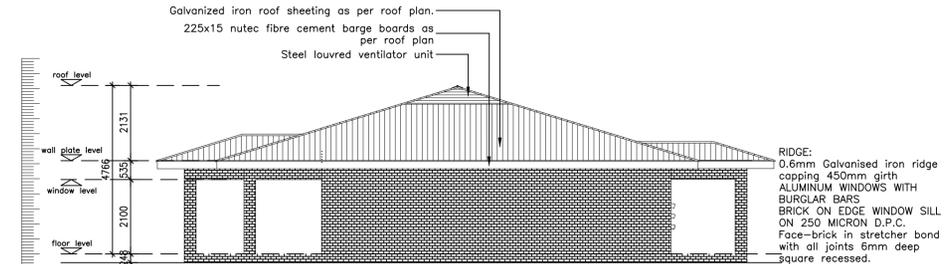
**ELEVATION 1**  
SCALE 1:100



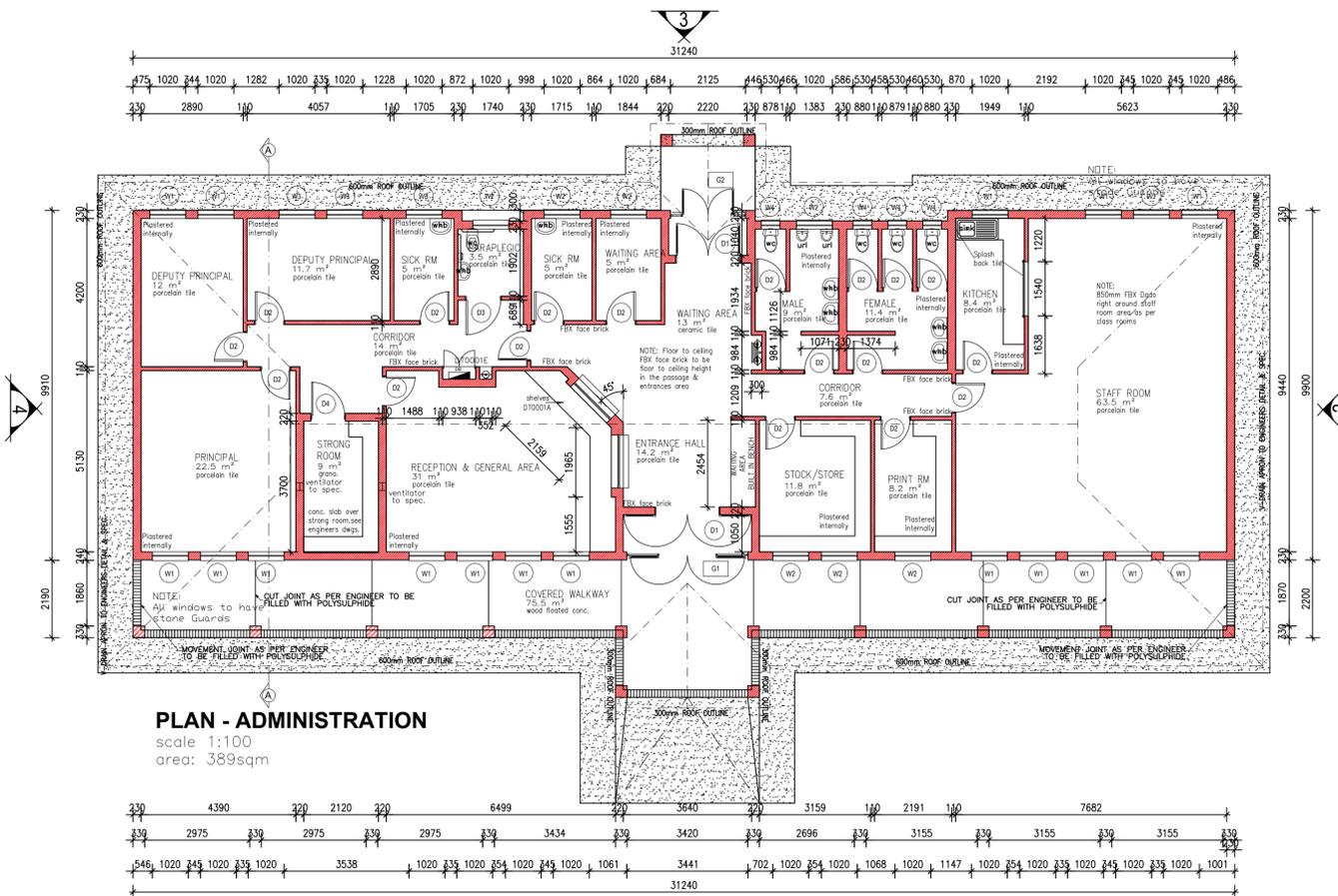
**ELEVATION 4**  
SCALE 1:100



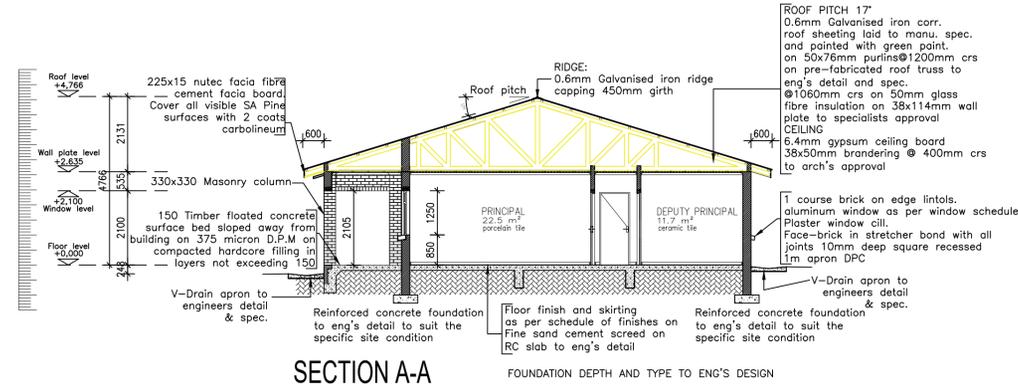
**ELEVATION 3**  
SCALE 1:100



**ELEVATION 2**  
SCALE 1:100



**PLAN - ADMINISTRATION**  
scale 1:100  
area: 389sqm



**SECTION A-A**

FOUNDATION DEPTH AND TYPE TO ENG'S DESIGN

**GENERAL NOTES :**

- DIMENSIONS TO BE USED IN PREFERENCE TO SCALING.
- ALL LEVELS & DIMENSIONS TO BE CHECKED PRIOR TO WORK BEING PUT IN HAND. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.
- ALL LEVELS SHOWN ARE STRUCTURAL LEVELS.
- ALL STRUCTURAL WORK IS TO BE CHECKED BY THE APPOINTED ENGINEER.
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- ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING & ROBERT PROOFING.
- LIGHTING AND VENTILATION TO COMPLY WITH PART 'O' OF THE NATIONAL BUILDING REGULATIONS.
- ALL BALUSTRADING TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (IE. 1000mm HIGH & BALUSTERS AT MAX. 100mm C/C).

**DRAINAGE RETICULATION NOTES :**

- ALL PLUMBING TO BE IN ACCORDANCE WITH N.B.R.
- ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- V.P.'S TO BE CARRIED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
- INSPECTION EYES (I.E.'S) TO BE PROVIDED AT ALL BENDS & JUNCTIONS OF SOIL & WASTE PIPES.
- RODDING EYES (R.E.'S) TO BE PROVIDED AT HEADS OF DRAINS & AT A MAXIMUM 25m SPACING ALONG RUNS OF DRAINS.
- MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL I.E.'S.
- RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
- SOIL DRAINS UNDER BUILDINGS TO BE PROTECTED FROM ALL VERTICAL SETTLEMENT LOADS WITH R.E.'S AS CLOSE AS POSSIBLE TO THE BUILDING AT BOTH ENDS.
- SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
- ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
- ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

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**CLIENT**



**IMPLEMENTING AGENTS:**



**ARCHITECTS**



REV	DATE	DESCRIPTION	CHKD
1	18/07/23	ISSUED FOR TENDER	S.SEOKE
0	13.07.23	ISSUED FOR DESIGN REVIEW	S. SEOKE

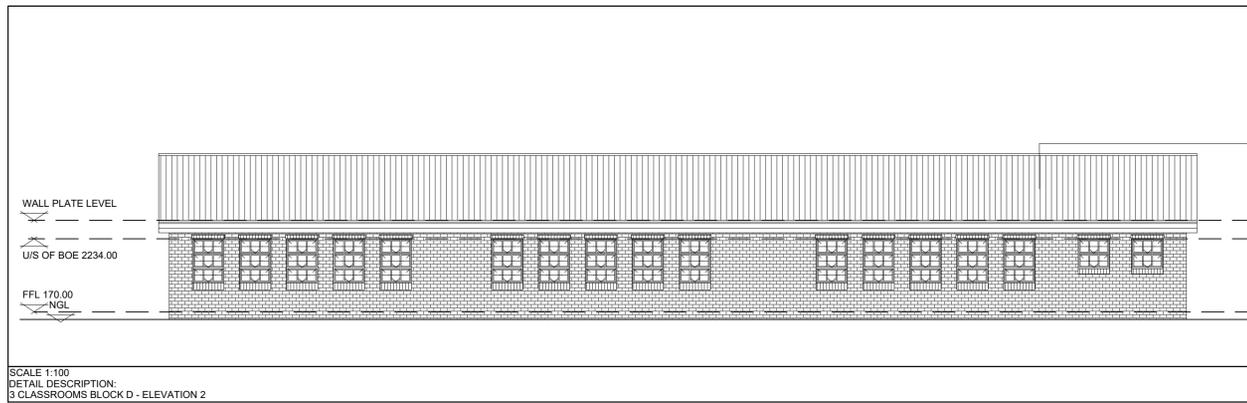
PROJECT TITLE:  
**DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL**

DRAWN TITLE:  
**ADMIN FLOOR PLAN SECTION AND ELEVATIONS BLOCK B**

DRAWN STATUS: <b>TENDER ISSUE</b>	INCEPTION DATE: <b>JAN 2023</b>
DESIGNED: MKDC	CHECKED: S.SEOKE
DRAWN: S. SEOKE	SCALE: 1:100

APPROVED:	PROJECT ARCHITECT'S SIGNATURE SOLLY SEOKE SACAP: PSAT20924 07/06/2015	DRG SIZE: <b>A1</b>
	PROJECT ARCHITECT'S NAME: PROF. REG. NO. DATE	Rev: <b>1</b>
	<b>122_MK01-02</b>	





**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IBER PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

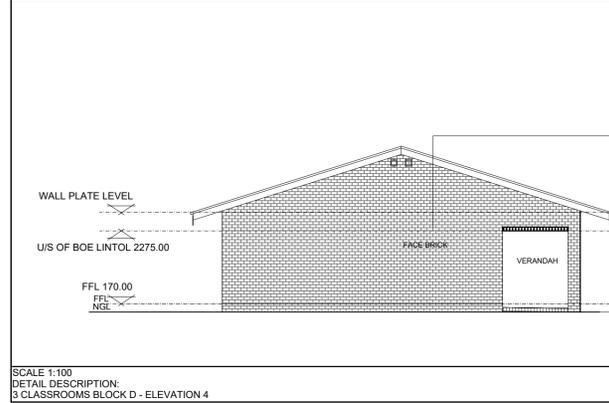
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 2



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IBER PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

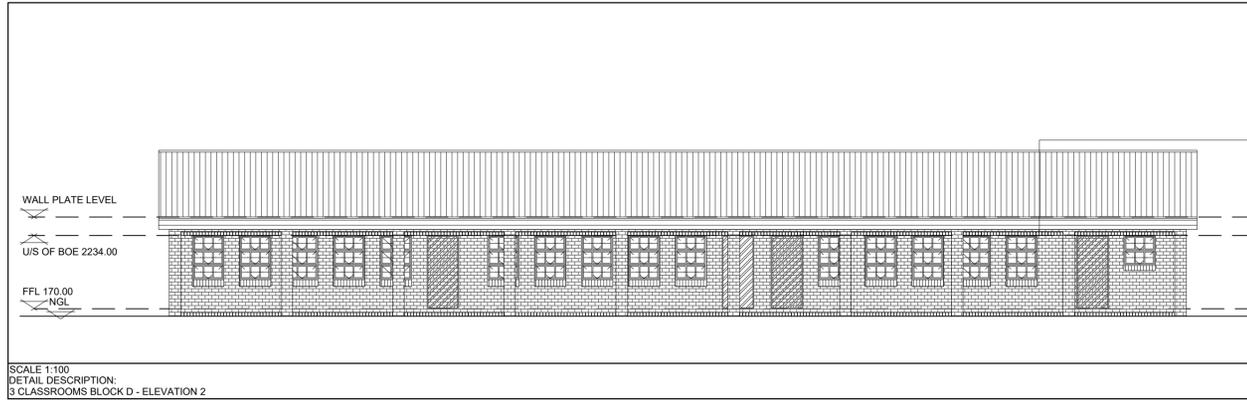
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 4



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IBER PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

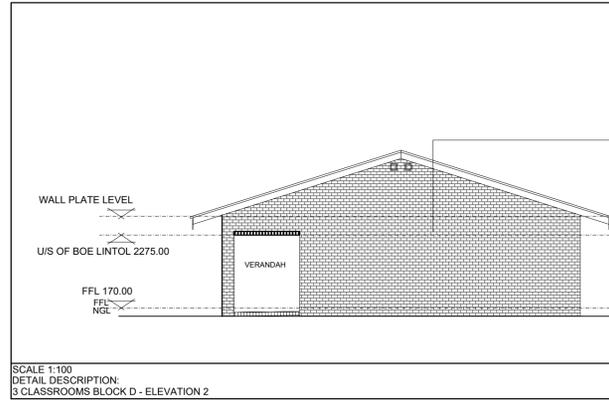
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 3



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IBER PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

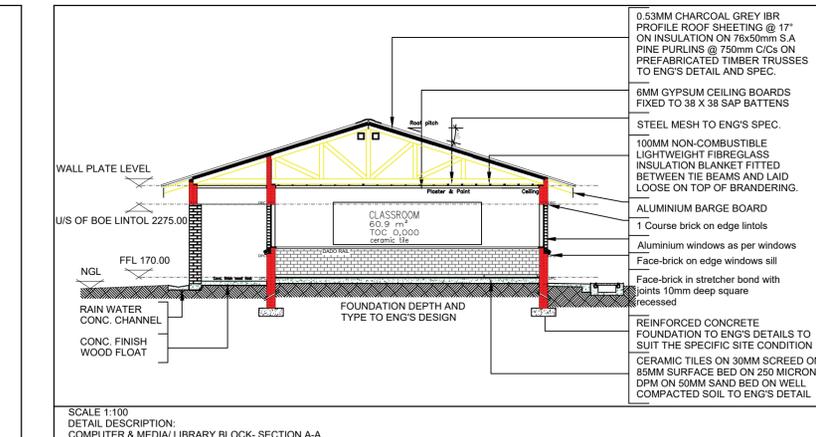
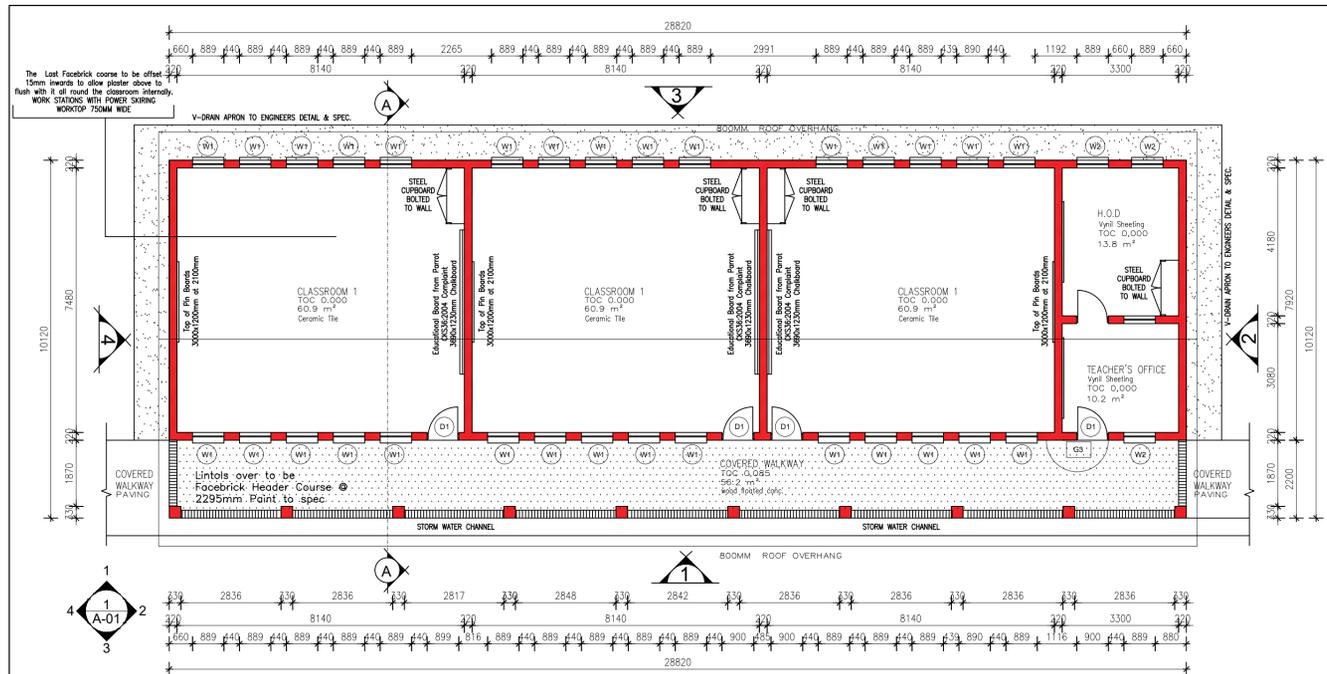
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 2



SCALE 1:100  
DETAIL DESCRIPTION:  
COMPUTER & MEDIA LIBRARY BLOCK- SECTION A-A

<b>F1</b>	350x350 Pazo peige Ceramic tiles A-grade UPGrade UPC 152000A manufactured specification on screed, all grouting joints to be continuous in both directions. Lay expansion joints. Colour and pattern to architects approval.	<b>S2</b>	75mm Ceramic tile skirting
<b>F5</b>	600mm x 600mm x 9mm thick porcelain tiles in matt finish laid to approved pattern using approved adhesive and grout. All to be manufactured and installed in strict compliance to the latest SANS approved standards. Colour and end finish to architects approval.	<b>S5</b>	600mm x 100mm high x 9mm thick porcelain tile skirting with cove base and straight top, and complete with A4 and S4 corner trims, manufactured to SABS 1449 and laid using approved adhesive and grout in strict accordance to manufacturer's recommendations.
<b>F6</b>	22 mm thick unglazed Granolithic finish composed of one part cement, one part fine sand, two parts coarse sand and one part granite that would pass through a 5mm mesh sieve; laid by specialist in panels not exceeding 10 sq.m, divided with approved brass dividing strips. All to be manufactured and installed in strict compliance to the latest SABS approved standards. Colour, pattern and aggregate size to architects approval.	<b>S6</b>	75mm high x 20mm thick unglazed Granolithic skirting covered at 25mm dia. Radius to form a continuous skirting adjoining the floor finish. All to be manufactured and installed in strict compliance to the latest SABS approved standards.
<b>C4</b>	6mm thick fibre cement ceiling boards nailed on CX 38mm x 50mm timber bracing fixed with all necessary accessories, finished with 3 No. coats of super PVA external quality paint colour to PA's approval. All to be manufactured and installed in strict compliance to the latest SABS approved standards.	<b>R3</b>	2 no. coats of double velvet PVA matt finish emulsion paint to SABS 1586 applied on plastered surface primed and with 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions.
<b>R1</b>	FBX face brick in stretcher bond to comply with SABS 227 and forming part of the structural work to 1200mm above FFL from this level; apply 2 no. coats of double velvet PVA matt finish emulsion paint to SABS 1586 applied on plastered rattle skimmed surface primed with 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions to wall plate level.	<b>R5</b>	FBX face brick in stretcher bond to comply with SABS 227 and forming part of the structural work.

SCALE 1:100  
DETAIL DESCRIPTION:  
MEDIA & SCIENCE LAB BLOCK J - GROUND FLOOR PLAN  
AREA: 358.5sqm

**GENERAL NOTES :**

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- ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING & RODENT PROOFING.
- LIGHTING AND VENTILATION TO COMPLY WITH PART 'O' OF THE NATIONAL BUILDING REGULATIONS.
- ALL BALUSTRADING TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (I.E. 1000mm HIGH & BALUSTERS AT MAX. 100mm C/C).

**DRAINAGE RETICULATION NOTES :**

- ALL PLUMBING TO BE IN ACCORDANCE WITH N.B.R.
- ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
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- INSPECTION EYES (I.E.'S) TO BE PROVIDED AT ALL BENDS & JUNCTIONS OF SOIL & WASTE PIPES.
- RODDING EYES (R.E.'S) TO BE PROVIDED AT HEADS OF DRAINS & AT A MAXIMUM 25m SPACING ALONG RUNS OF DRAINS.
- MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL I.E.'S.
- RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
- SOIL DRAINS UNDER BUILDINGS TO BE PROTECTED FROM ALL VERTICAL SETTLEMENT LOADS WITH R.E.'S AS CLOSE AS POSSIBLE TO THE BUILDING AT ALL ENDS.
- SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
- ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
- ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

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**CLIENT**  
Education and Sport Development  
Department of Education and Sport Development  
Departement van Onderwys en Sportontwikkeling  
Lefapha la Thuto le Tihabololo ya Metshekeko  
**NORTH WEST PROVINCE**

**IMPLEMENTING AGENTS:**  
idt  
Independent Development Team

**ARCHITECTS**  
MK & ASSOCIATES  
DEVELOPMENT CONSULTANTS

REV	DATE	DESCRIPTION	CHKD
1	18/07/23	ISSUED FOR TENDER	S.SEOKE
0	13.07.23	ISSUED FOR DESIGN REVIEW	S. SEOKE

**PROJECT TITLE:**  
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL

**DRAWN TITLE:**  
3 CLASSROOM BLOCK FLOOR PLAN SECTION AND ELEVATIONS BLOCK B

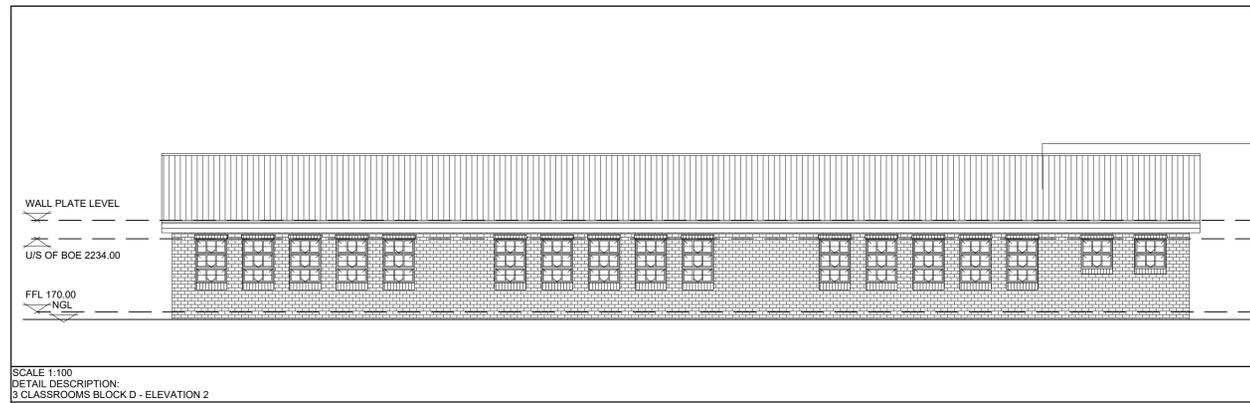
<b>DRAWN STATUS:</b>		<b>INCEPTION DATE:</b>	
TENDER ISSUE		JAN 2023	
DESIGNED:	DRAWN:	CHECKED:	SCALE:
MKCD	S. SEOKE	S.SEOKE	1:100

**APPROVED:**

PROJECT ARCHITECT'S SIGNATURE  
SOLLY SEOKE SACAP: PSAT20924 07/06/2015  
PROJECT ARCHITECT'S NAME PROF. REG. NO. DATE  
DRAWING NUMBER:

**DRG SIZE:**  
A1  
Rev: 1

122\_MK01-04



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IFR PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

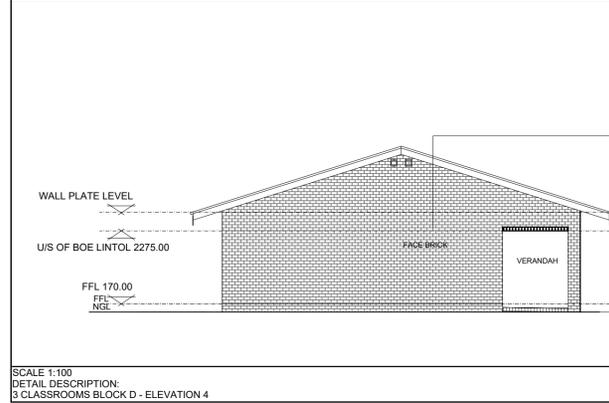
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 2



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IFR PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

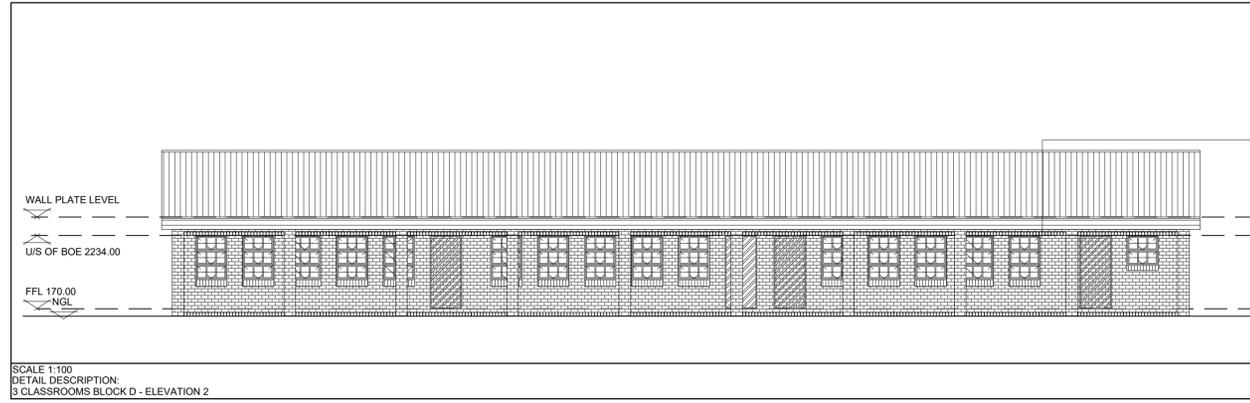
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

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Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 4



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IFR PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

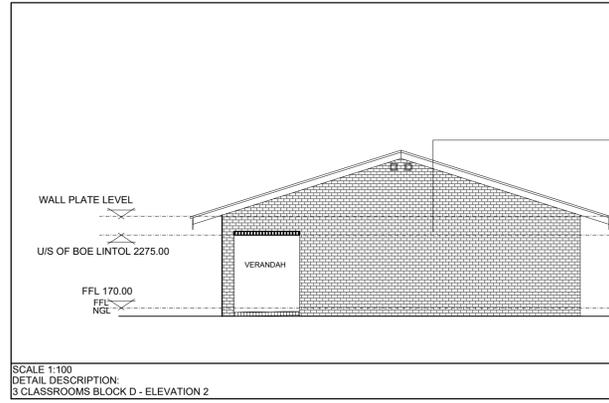
**DOORS TO CLASSROOMS**  
2032X813X44mm Thick C.K.S framed batten door of 44x150mm stile and top rail and 22x150mm ledge and braces and 22x230mm bottom rail with 22mm Y-joint boarding one side filled in at back with 6mm plywood panel with veneer to watch door let into and including rebates all round.

Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 2



**ROOF**  
0.6MM CHARCOAL GREY FINISHED GREY METAL IFR PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

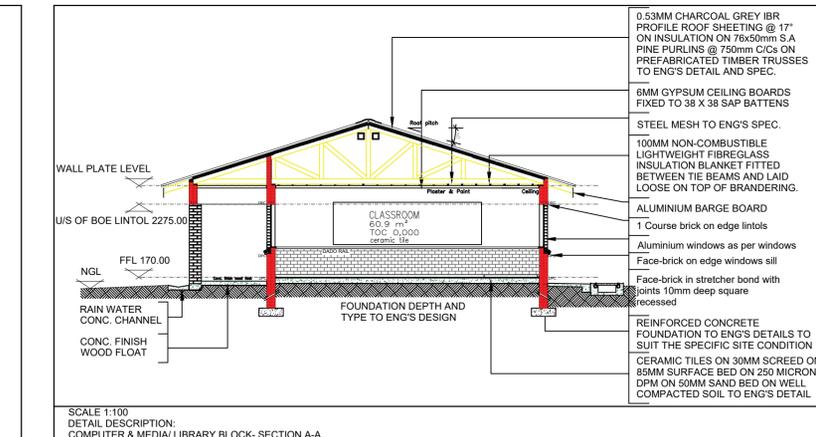
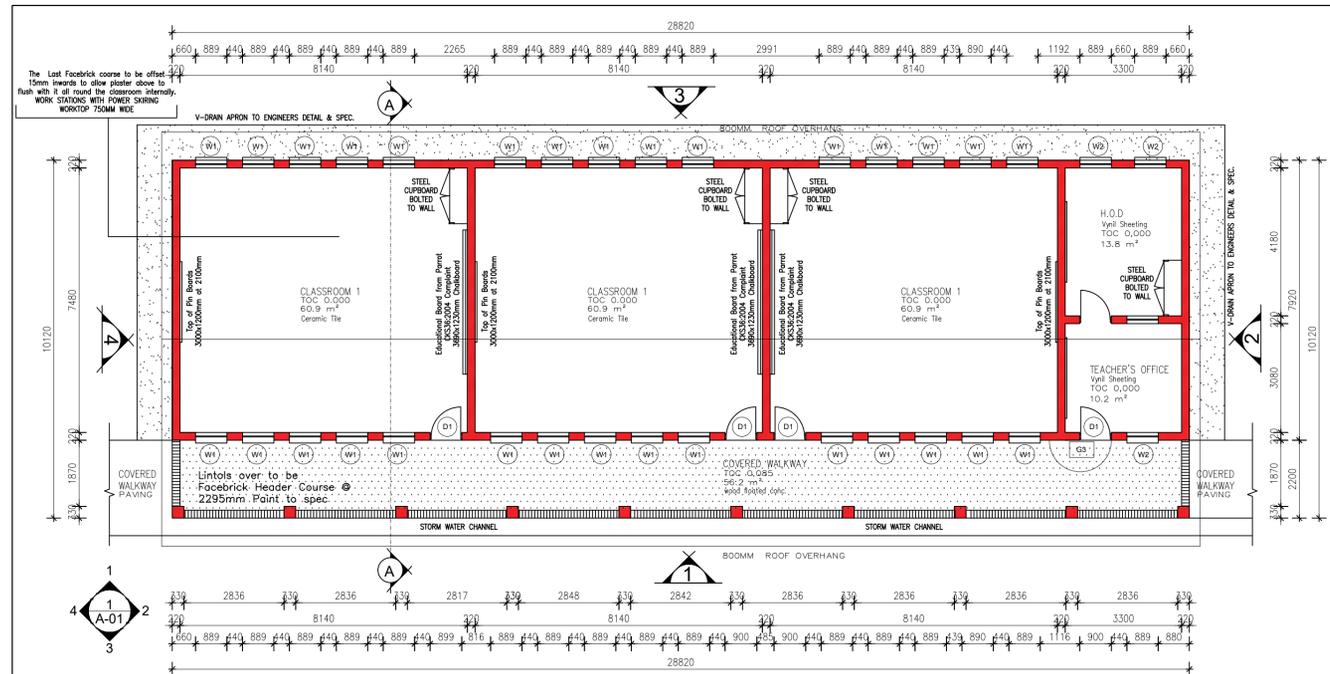
**DOORS TO CLASSROOMS**  
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Standard residential type aluminium window provided with one coat factory applied red oxide paint

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

Standard faced -brick work in stretcher bonds with all joints to be 10mm deep square recessed or plaster and paint finish(Micatex) as specified.

SCALE 1:100  
DETAIL DESCRIPTION:  
3 CLASSROOMS BLOCK D - ELEVATION 2



SCALE 1:100  
DETAIL DESCRIPTION:  
COMPUTER & MEDIA LIBRARY BLOCK- SECTION A-A

0.53MM CHARCOAL GREY IFR PROFILE ROOF SHEETING @ 17° ON INSULATION ON 76x50mm S.A PINE PURLINS @ 750mm C/Cs ON PREFABRICATED TIMBER TRUSSES TO ENG'S DETAIL AND SPEC.

6MM GYPSUM CEILING BOARDS FIXED TO 38 X 38 SAP BATTENS

STEEL MESH TO ENG'S SPEC.

100MM NON-COMBUSTIBLE LIGHTWEIGHT FIBREGLASS INSULATION BLANKET FITTED BETWEEN THE BEAMS AND LAID LOOSE ON TOP OF BRANDING.

ALUMINIUM BARGE BOARD

1 Course brick on edge lintols

Aluminium windows as per windows

Face-brick on edge windows sill

Face-brick in stretcher bond with joints 10mm deep square recessed

REINFORCED CONCRETE FOUNDATION TO ENG'S DETAILS TO SUIT THE SPECIFIC SITE CONDITION

CERAMIC TILES ON 30MM SCREED ON 85MM SURFACE BED ON 250 MICRON DPM ON 50MM SAND BED ON WELL COMPACTED SOIL TO ENG'S DETAIL

<b>F1</b>	350x350 Pazo peige Ceramic tiles A-grade UPGrade UPC 152000A manufactured specification on screed, all grouting joints to be continuous in both directions. Lay expansion joints. Colour and pattern to architects approval.	<b>S2</b>	75mm Ceramic tile skirting
<b>F5</b>	600mm x 600mm x 9mm thick porcelain tiles in matt finish laid to approved pattern using approved adhesive and grout. All to be manufactured and installed in strict compliance to the latest SANS approved standards. Colour and end finish to architects approval.	<b>S5</b>	600mm x 100mm high x 9mm thick porcelain tile skirting with cove base and straight top, and complete with A4 and S4 corner trims, manufactured to SABS 1449 and laid using approved adhesive and grout in strict accordance to manufacturer's recommendations.
<b>F6</b>	22 mm thick unglazed Granolithic finish composed of one part cement, one part fine sand, two parts coarse sand and one part granite that would pass through a 5mm mesh sieve; laid by specialist in panels not exceeding 10 sq.m, divided with approved brass dividing strips. All to be manufactured and installed in strict compliance to the latest SABS approved standards. Colour, pattern and aggregate size to architects approval.	<b>S6</b>	75mm high x 20mm thick unglazed Granolithic skirting covered at 25mm dia. Radius to form a continuous skirting adjoining the floor finish. All to be manufactured and installed in strict compliance to the latest SABS approved standards.
<b>C4</b>	6mm thick fibre cement ceiling boards nailed on CX 38mm x 50mm timber bracing fixed with all necessary accessories, finished with 3 No. coats of super PVA external quality paint colour to PA's approval. All to be manufactured and installed in strict compliance to the latest SABS approved standards.	<b>R3</b>	2 no. coats of double velvet PVA matt finish emulsion paint to SABS 1586 applied on plastered surface primed and with 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions.
<b>R1</b>	FBX face brick in stretcher bond to comply with SABS 227 and forming part of the structural work to 1200mm above FFL from this level; apply 2 no. coats of double velvet PVA matt finish emulsion paint to SABS 1586 applied on plastered rinolate skimmed surface primed with 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions to wall plate level.	<b>R5</b>	FBX face brick in stretcher bond to comply with SABS 227 and forming part of the structural work.

SCALE 1:100  
DETAIL DESCRIPTION:  
MEDIA & SCIENCE LAB BLOCK J - GROUND FLOOR PLAN  
AREA: 358.5sqm

**GENERAL NOTES :**

- DIMENSIONS TO BE USED IN PREFERENCE TO SCALING.
- ALL LEVELS & DIMENSIONS TO BE CHECKED PRIOR TO WORK BEING PUT IN HAND. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.
- ALL LEVELS SHOWN ARE STRUCTURAL LEVELS.
- ALL STRUCTURAL WORK IS TO BE CHECKED BY THE APPOINTED ENGINEER.
- COPYRIGHT OF THIS DRAWING IS ALWAYS TO REMAIN WITH MK & ASSOCIATES
- THE CONTRACTOR IS TO CHECK ALL SCHEDULES & DRAWINGS BEFORE PLACING ORDERS.
- ALL BUILDING WORK & BUILDING REQUIREMENTS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS & BUILDING STANDARDS, ACT No. 103 OF 1977.
- ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING & RODENT PROOFING.
- LIGHTING AND VENTILATION TO COMPLY WITH PART 'O' OF THE NATIONAL BUILDING REGULATIONS.
- ALL BALUSTRADING TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (I.E. 1000mm HIGH & BALUSTERS AT MAX. 100mm C/C).

**DRAINAGE RETICULATION NOTES :**

- ALL PLUMBING TO BE IN ACCORDANCE WITH N.B.R.
- ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- V.P.'S TO BE CARRIED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
- INSPECTION EYES (I.E.'S) TO BE PROVIDED AT ALL BENDS & JUNCTIONS OF SOIL & WASTE PIPES.
- RODDING EYES (R.E.'S) TO BE PROVIDED AT HEADS OF DRAINS & AT A MAXIMUM 25m SPACING ALONG RUNS OF DRAINS.
- MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL I.E.'S.
- RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
- SOIL DRAINS UNDER BUILDINGS TO BE PROTECTED FROM ALL VERTICAL SETTLEMENT LOADS WITH R.E.'S AS CLOSE AS POSSIBLE TO THE BUILDING AT ALL ENDS.
- SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
- ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
- ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

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This drawing is property of MK & ASSOCIATES. Copyright is reserved by them and this drawing is based on condition that it not copied, reproduced, revised or deleted in any unauthorized person, either wholly or in part, without the written consent of MK & ASSOCIATES

**CLIENT**  
Education and Sport Development  
Department of Education and Sport Development  
Departement van Onderwys en Sportontwikkeling  
Lefapha la Thuto le Tihabolo ya Metshekeko  
**NORTH WEST PROVINCE**

**IMPLEMENTING AGENTS:**  
idt  
Independent Development Trust

**ARCHITECTS**  
MK & ASSOCIATES  
DEVELOPMENT CONSULTANTS

REV	DATE	DESCRIPTION	CHKD
1	18/07/23	ISSUED FOR TENDER	S.SEOKE
0	13.07.23	ISSUED FOR DESIGN REVIEW	S. SEOKE

**PROJECT TITLE:**  
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL

**DRAWN TITLE:**  
3 CLASSROOM BLOCK FLOOR PLAN SECTION AND ELEVATIONS BLOCK B

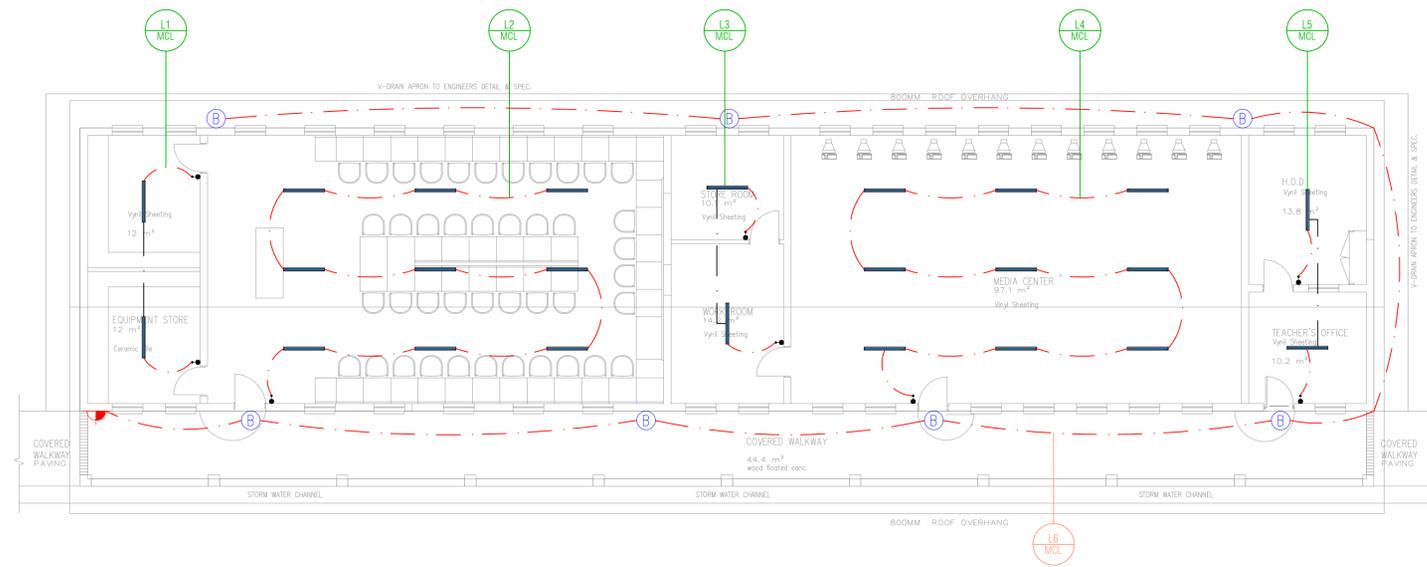
<b>DRAWN STATUS:</b>	<b>TENDER ISSUE</b>	<b>INCEPTION DATE:</b>	JAN 2023
<b>DESIGNED:</b>	<b>DRAWN:</b>	<b>CHECKED:</b>	<b>SCALE:</b>
MKCD	S. SEOKE	S.SEOKE	1:100

**APPROVED:**

PROJECT ARCHITECT'S SIGNATURE  
SOLLY SEOKE SACAP: PSAT20924 07/06/2015  
PROJECT ARCHITECT'S NAME PROF. REG. NO. DATE  
DRAWING NUMBER:

**DRG SIZE:**  
A1  
Rev: 1

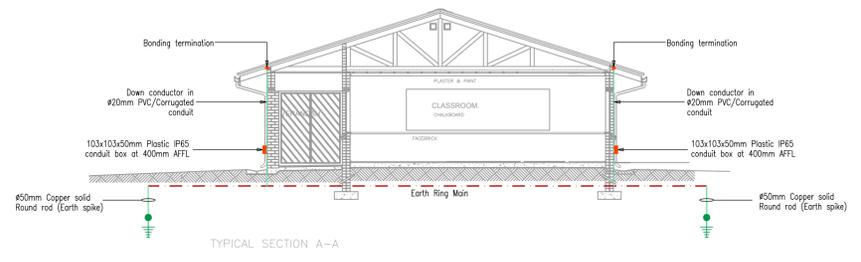
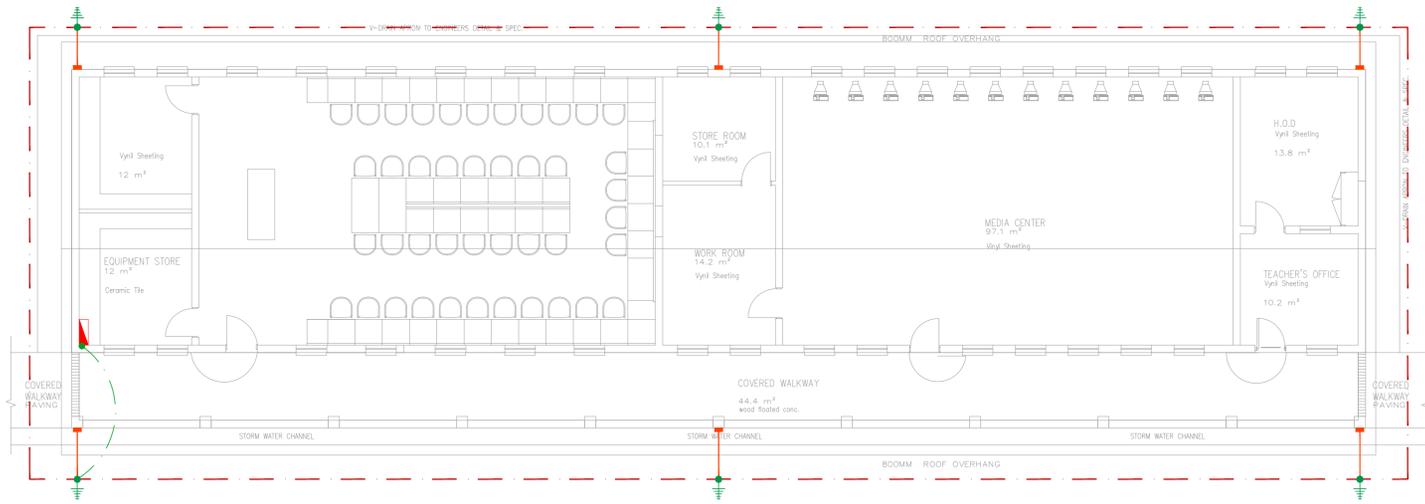
122\_MK01-06



**LIGHTING LEGEND**

ITEM	DESCRIPTION	QTY
•	16A SINGLE LEVER LIGHT SWITCH	08
☂	DAY/NIGHT SWITCH	01
Ⓟ	15W LED ROUND BULKHEAD 4000k	07
—	OPAL E-BATTEN 4FT 1140mm 45W - 4000K - IP20	24

<b>STATUS CODE</b> 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	<b>Group Codes BUILDINGS</b> BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	<b>DRAWING STATUS</b> <b>FOR TENDER</b>			No	Date	chkd	Details	<b>CLIENT</b> 	<b>CONSULTANT</b> 	<b>PROJECT</b> FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	<b>PROJECT</b> DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL DCHS - C - BE - TCS - TDW - 002/1 - TD	Project code Status Group Consultant Doc Type Seq No Rev	Copyright Reserved SCALE 1:100 CHECKED REV. No DATE 11.07.2023
		<b>PROJECT NUMBER</b> 0334/1 - DCHS - TCS			TD	11.07.2023	EM	FOR TENDER						
Drawn By M CHABALALA		Designed By S RAMBAU		Reviewed/Approved By 			Name Pr Number Name Pr Number Name Pr Number		Name Pr Number Name Pr Number Name Pr Number		Name Pr Number Name Pr Number Name Pr Number		Name Pr Number Name Pr Number Name Pr Number	



**GENERAL NOTES:**

- EARTH TERMINATION CONDUCTOR TO BE 70mm<sup>2</sup> BCEW.
- BONDING CONDUCTOR TO BE 50mm<sup>2</sup> BCEW.
- EARTH ELECTRODE (SPIKE) TO BE Ø15mm x 1.5m LONG COPPER SOLID ROUND BAR, AND MUST BE 0.5m BURIED BELOW GROUND LEVEL.
- EARTH CONDUCTOR TO BE 0.5m BURIED BELOW GROUND LEVEL.

**EARTH TERMINATION NOTES:**  
EARTH TERMINATION SYSTEM GENERAL REQUIREMENTS:

- TYPE B EARTHING ARRANGEMENT SHALL BE USED FOR ANY BUILDING INSTALLATION.  
THE RING EARTH CONDUCTOR (TYPE B ARRANGEMENT) SHOULD PREFERABLY:  
- BE BURIED AT A DEPTH OF AT LEAST 0.5m AND  
- AT A DISTANCE OF ABOUT 1.5m AWAY FROM THE EXTERNAL WALLS UNLESS STATED OTHERWISE.
- THE CALCULATION OF AN EARTH TERMINATION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE FORMULAE IN SANS 10199.

**DOWN CONDUCTORS:**

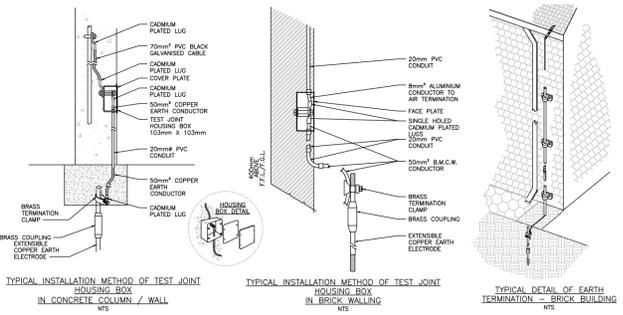
- DOWN CONDUCTORS MUST BE INSULATED BY AT LEAST 3mm CROSS LINKED POLYETHYLENE.
- WARNING NOTICES TO BE INSTALLED TO MINIMISE THE PROBABILITY OF DOWN CONDUCTORS BEING TOUCHED.

**EARTHING TEST POINT:**

- EARTHING TEST POINT SHOULD BE CAPABLE OF BEING OPENED WITH THE AID OF TOOL.

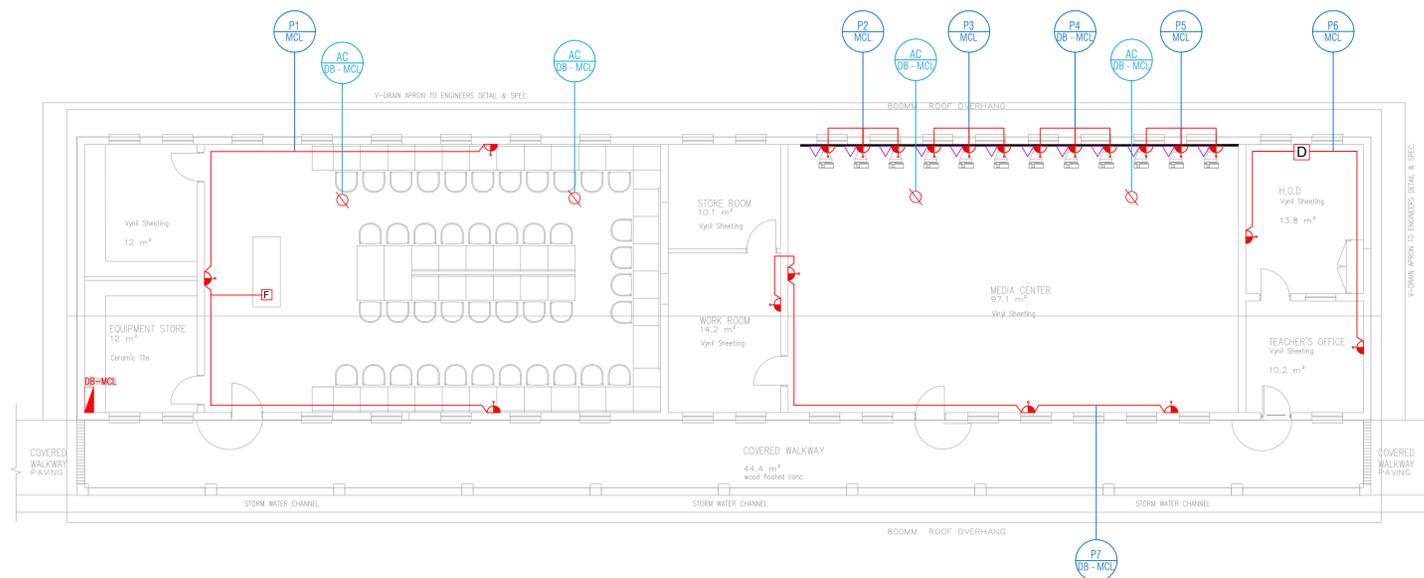
THE COMPLETE INSTALLATION MUST COMPLY TO THE FOLLOWING SANS SPECIFICATION:

- SANS 10142: PART 1: THE WIRING OF PREMISES: LOW-VOLTAGE INSTALLATIONS.
- SANS 10198: PART 3: EARTHING SYSTEMS GENERAL PROVISIONS.
- SANS 10198: PART 12: INSTALLATION OF EARTHING SYSTEMS.
- SANS 10199: THE DESIGN AND INSTALLATION OF AN EARTH ELECTRODE.
- SANS 10313: THE PROTECTION OF STRUCTURES AGAINST LIGHTNING.
- SANS 1063: EARTHING SYSTEMS GENERAL PROVISIONS.



SYMBOL	DESCRIPTION
---	EARTH CONDUCTOR
---	EARTH RING MAIN
---	DOWN CONDUCTOR
---	EARTHING ROD
●	EARTH ELECTRODE (SPIKE)
■	BONDING TERMINATION
■	EARTHING TEST POINT

STATUS CODE 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	Group Codes BUILDINGS BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	DRAWING STATUS <b>FOR TENDER</b>			No	Date	chkd	Details	CLIENT 	CONSULTANT 	PROJECT <b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b>				Project code <b>DCHS - C - BE - TCS - TDW - 001/1 - TD</b>
		PROJECT NUMBER <b>0334/1 - DCHS - TCS</b>			TD	11.07.2023	EM	FOR TENDER			DRAWING TITLE <b>COMPUTER, MEDIA, LIBRARY CENTRE EARTHING &amp; LIGHTNING PROTECTION LAYOUT</b>				
Drawn By M CHABALALA		Designed By S RAMBAU		Reviewed/Approved By E MENSAH 20100414		Name S.A.I.D Number Pr Number		Name Pr Number Signature		DATE 11.07.2023					



**POWER LEGEND**

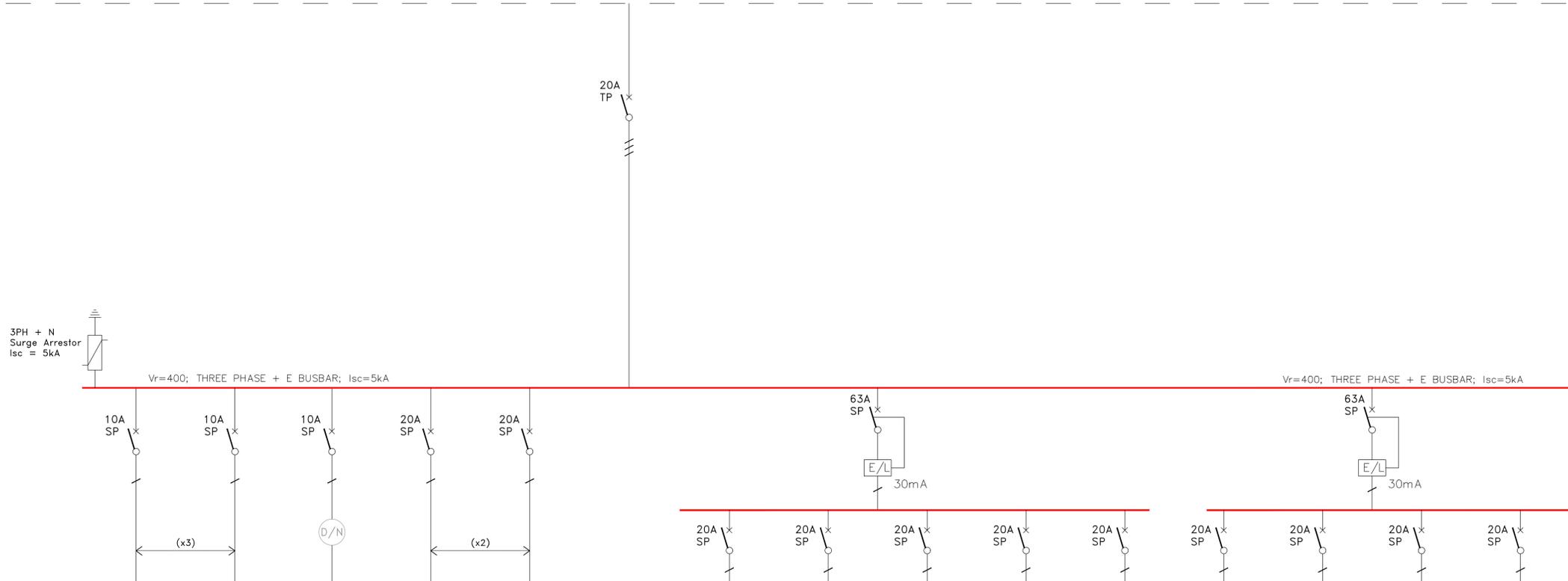
ITEM	DESCRIPTION
△	DATA POINT
⬆	SINGLE 16A 2A PLUG SOCKET OUTLET @300 A.F.F.L
F	PEDESTAL FOR MEETING/PRESENTER'S TABLE CONSISTING OF THE FF: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - SA 2 PIN SOCKET UN-SWITCHED - DATA & TELEPHONE POINTS
D	ONE TIER CLUSTER WALL BOX CONSISTING OF THE FOLLOWING: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - SA 2 PIN SOCKET UN-SWITCHED - DATA & TELEPHONE POINTS
▾	ELECTRICAL DISTRIBUTION BOARD

STATUS CODE 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	Group Codes BUILDINGS BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	DRAWING STATUS <b>FOR TENDER</b>			No	Date	chkd	Details	CLIENT  independent development trust	CONSULTANT  UTAKUSA CONSULTING SERVICES FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	PROJECT <b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b>  DRAWING TITLE <b>COMPUTER, MEDIA, LIBRARY CENTRE POWER LAYOUT</b>	Copyright Reserved Project code Status Group Consultant Doc Type Seq No Rev <b>DCHS - C - BE - TCS - DDW - 001/1 - TD</b>	SCALE 1:100
		PROJECT NUMBER <b>0334/1 - DCHS - TCS</b>		TD 11.07.2023 EM FOR TENDER	Drawn By M CHABALALA	Designed By S RAMBAU	Reviewed/Approved By E MENSAH 20100414 	Name S.A.I.D Number Pr Number Name Pr Number Signature					CHECKED REV: No <b>TD</b>

DB-MCL

COMPUTER, MEDIA & LIBRARY BLOCK

SUPPLY FROM MAIN KIOSK



Circuit Identification	Circuit Description	Lights	Lights	Lights	Air Conditioners	Air Conditioners	Incomer	Plugs	Plugs	Plugs	Plugs	Spare	Plugs	Plugs	Plugs	Spare
	Plant Codification	L1	L5	L6	AC1	AC4	-	P1	P2	P3	P4	-	P5	P6	P7	-
	Cubicle Number															
SCPD Specification	SCPD Type	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB
	SCPD Rating (A)	10A	10A	10A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A
Cabling Details	Cable Size (mm <sup>2</sup> )	2.5 + 1.5	2.5 + 1.5	2.5 + 1.5	4 + 2.5	4 + 2.5	10 + 6	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	-	4 + 2.5	4 + 2.5	4 + 2.5	-
	No. of Cores	2 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	4 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	-	2 + Earth	2 + Earth	2 + Earth	-
	No. of Cables	1	1	1	1	1	1	1	1	1	1	-	1	1	1	-
Cable Lengths	Cable Type	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	-	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	-
	(m)															

BOARD PROPERTIES	
Mounting	Surface/Wall mount
Enclosure Material	Galvanised Steel
IP Rating	45
Depth	-
Colour	White
Doors	Yes
Access	Front
Power Cable Entry	Bottom
Control Cable Entry	Bottom
Labels	Yes

QTY	DESCRIPTION	FAULT LEVEL
1x	Surface/Wall mount board with lockable door, fitted and wired with the following equipment	
	THREE PHASE BREAKERS	
1x	Surge Arrestor	5kA
1x	20A TP	
	SINGLE PHASE BREAKERS	
11x	20A SP	
6x	10A SP	5kA
2x	63A Earth Leakage	
-	-	

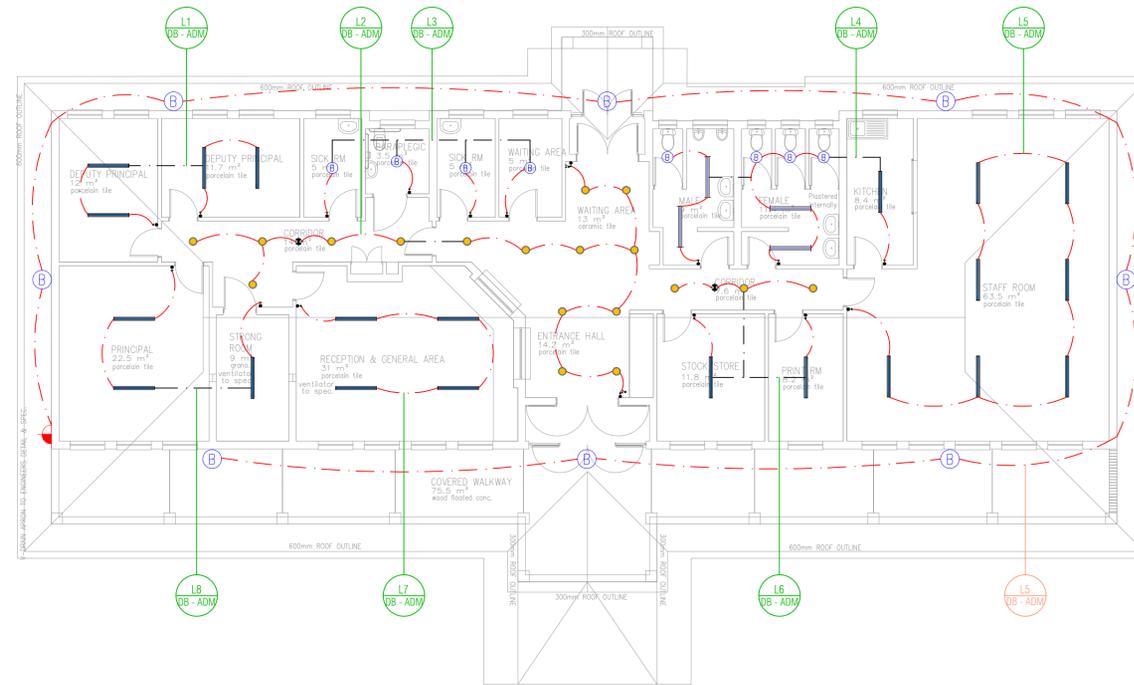
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0 - Pre - Feasibility study	BP - Building IT	FOR TENDER				
1 - Feasibility study	BP - Building Public Address	PROJECT NUMBER	TD	13.07.2023	EM	FOR TENDER
A - Preliminary Design	BS - Building Service	0334/1 - DCHS - TCS				
B - Design Review	BA - Building Architectural	Drawn By				
C - Tender Design	BE - Building Electrical	Designed By				
D - Detailed Design	BF - Building Fire Service	Reviewed/Approved By				
E - For Construction	BM - Building Mechanical	M CHABALALA				
F - As Built	BT - Building Public Telecoms	S RAMBAU				
G - For Information Only	BU - Building Public Utilities	E MENSAH 20100414				
		Name S.A.I.D Number				
		Name Pr Number				
		Name Pr Number Signature				

CLIENT	CONSULTANT	PROJECT
		DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL DRAWING TITLE COMPUTER, MEDIA, LIBRARY CENTRE SINGLE LINE DIAGRAM

Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
DCHS - C - BE - TCS - DDW - 003/1 - TD	Copyright Reserved					

SCALE	NTS
CHECKED	TD
REV. No	
DATE	13.07.2023

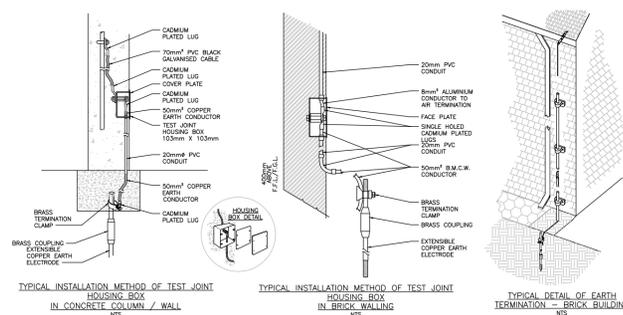
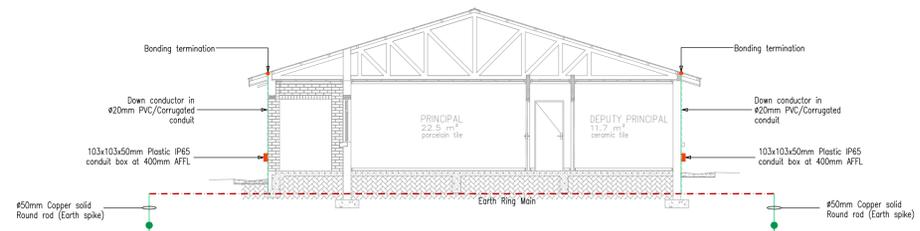
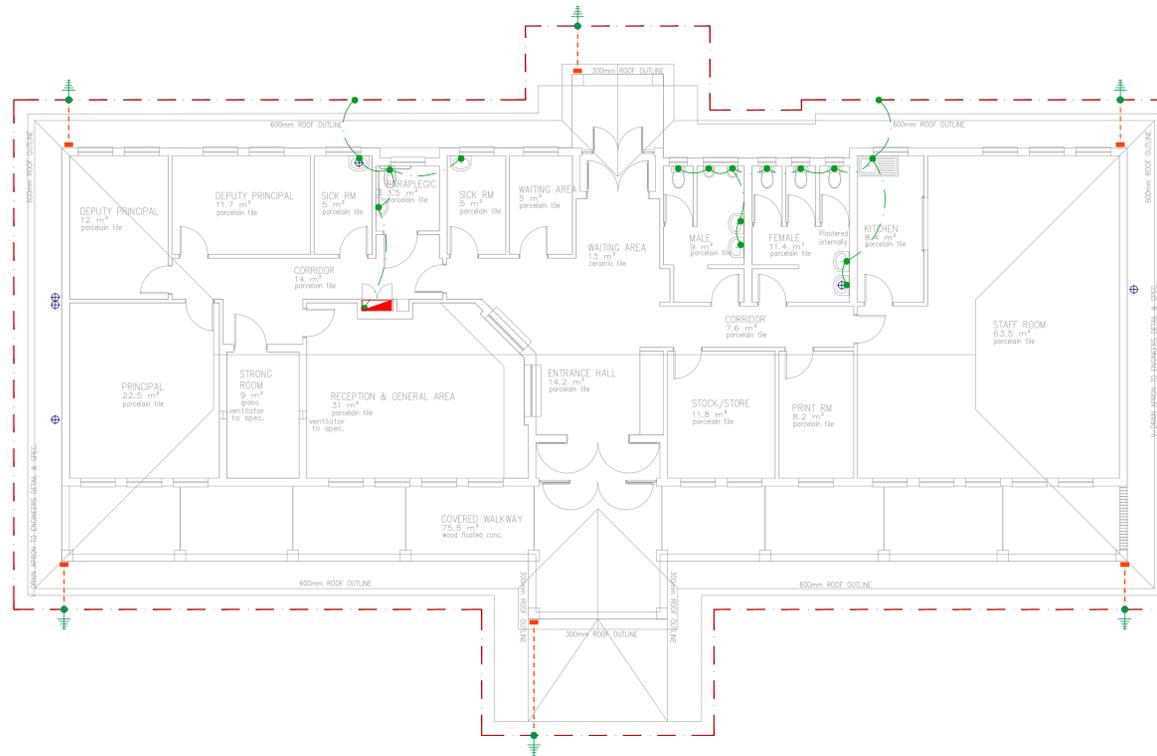
FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR, Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191
Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099



**LIGHTING LEGEND**

ITEM	DESCRIPTION	QTY
•	16A SINGLE LEVER LIGHT SWITCH	15
••	2-WAY - 16A SINGLE LEVER LIGHT SWITCH	02
•••	360° MOTION SENSOR	02
☀/🌙	DAY/NIGHT SWITCH	01
Ⓟ	15W LED ROUND BULKHEAD 4000k	16
—	OPAL E-BATTEN 4FT 1140mm 45W - 4000K - IP20	14
•	13W LED RONDO RECESSED DOWNLIGHT - 4000K - IP20	18
—	4ft or 2ft T8 OPEN CHANNEL LUMINAIRE WITH 1x18 LED TUBE	04

<b>STATUS CODE</b> 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	<b>Group Codes BUILDINGS</b> BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	<b>DRAWING STATUS</b> <p style="text-align: center; font-weight: bold;">FOR TENDER</p>			No	Date	chkd	Details	<b>CLIENT</b>  independent development trust	<b>CONSULTANT</b>  UTAKUSA CONSULTING SERVICES	<b>PROJECT</b> FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	<b>PROJECT</b> DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL DRAWING TITLE <p style="text-align: center; font-weight: bold;">ADMINISTRATION          LIGHTING LAYOUT</p>	Copyright Reserved Project code Status Group Consultant Doc Type Seq No Rev	DCHS - C - BE - TCS - TDW - 002/2 - TD	SCALE	1:100
		Drawn By M CHABALALA	Designed By S RAMBAU	Reviewed/Approved By E MENSAH 20100414	Name S.A.I.D Number	Name Pr Number	Name Pr Number Signature	DATE 11.07.2023							CHECKED REV: No <p style="text-align: center; font-weight: bold;">TD</p>	



**GENERAL NOTES:**

1. EARTH TERMINATION CONDUCTOR TO BE 70mm<sup>2</sup> BCEW.
2. BONDING CONDUCTOR TO BE 50mm<sup>2</sup> BCEW.
3. EARTH ELECTRODE (SPIKE) TO BE #15mm x 1.5m LONG COPPER SOLID ROUND BAR, AND MUST BE 0.5m BURIED BELOW GROUND LEVEL.
4. EARTH CONDUCTOR TO BE 0.5m BURIED BELOW GROUND LEVEL.

**EARTH TERMINATION NOTES:**

**EARTH TERMINATION SYSTEM GENERAL REQUIREMENTS:**

1. TYPE B EARTHING ARRANGEMENT SHALL BE USED FOR ANY BUILDING INSTALLATION.

THE RING EARTH CONDUCTOR (TYPE B ARRANGEMENT) SHOULD PREFERABLY:

- BE BURIED AT A DEPTH OF AT LEAST 0.5m AND
- AT A DISTANCE OF ABOUT 1.5m AWAY FROM THE EXTERNAL WALLS UNLESS STATED OTHERWISE.

2. THE CALCULATION OF AN EARTH TERMINATION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE FORMULAE IN SANS 10199.

**DOWN CONDUCTORS:**

1. DOWN CONDUCTORS MUST BE INSULATED BY AT LEAST 3mm CROSS LINKED POLYETHYLENE.
2. WARNING NOTICES TO BE INSTALLED TO MINIMISE THE PROBABILITY OF DOWN CONDUCTORS BEING TOUCHED.

**EARTHING TEST POINT:**

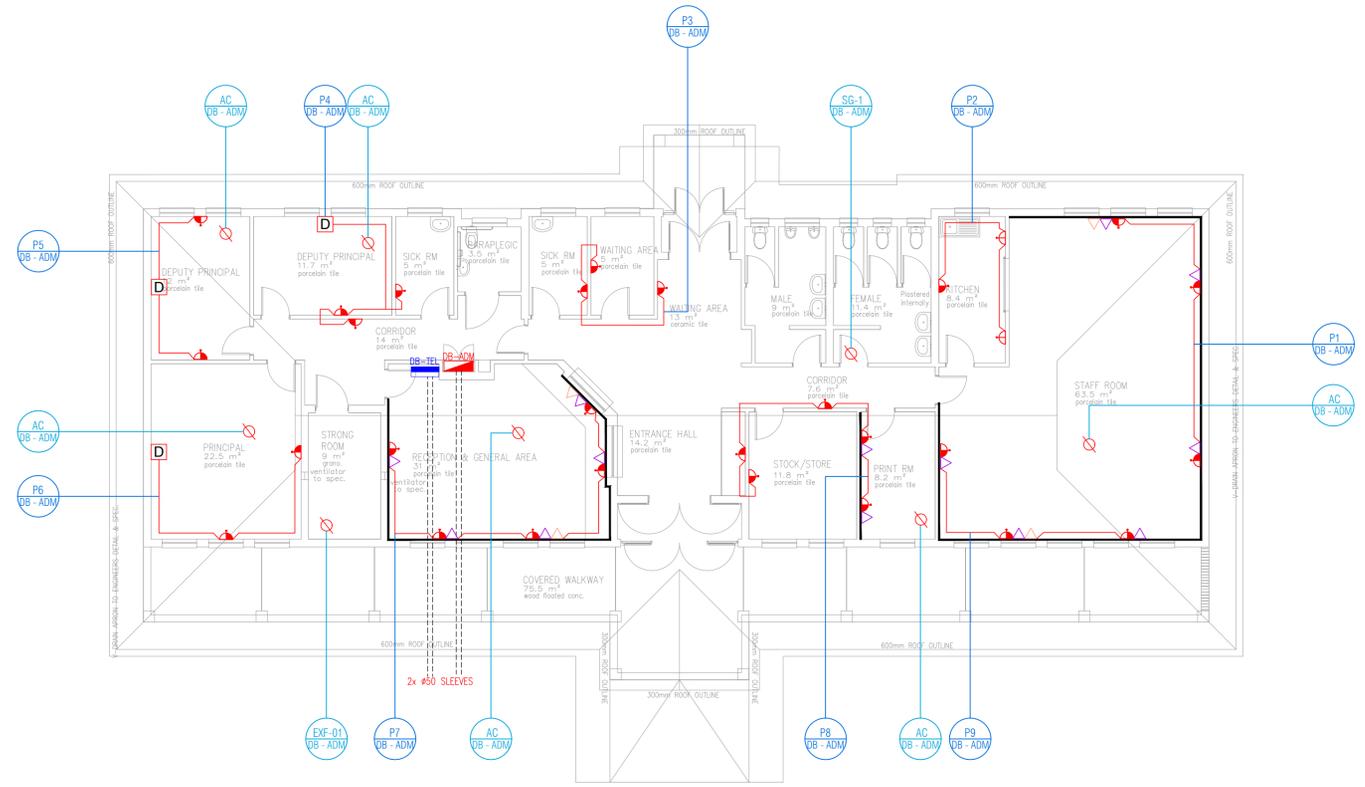
1. EARTHING TEST POINT SHOULD BE CAPABLE OF BEING OPENED WITH THE AID OF TOOL.

THE COMPLETE INSTALLATION MUST COMPLY TO THE FOLLOWING SANS SPECIFICATION:

- SANS 10142: PART 1: THE WIRING OF PREMISES; LOW-VOLTAGE INSTALLATIONS.
- SANS 10198: PART 3: EARTHING SYSTEMS GENERAL PROVISIONS.
- SANS 10198: PART 12: INSTALLATION OF EARTHING SYSTEMS.
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- SANS 1063: EARTHING SYSTEMS GENERAL PROVISIONS.

SYMBOL	DESCRIPTION
---	EARTH CONDUCTOR
---	EARTH RING MAIN
---	DOWN CONDUCTOR
---	EARTHING ROD
⊕	EARTH ELECTRODE (SPIKE)
●	BONDING TERMINATION
■	EARTHING TEST POINT

<b>STATUS CODE</b> 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only		<b>Group Codes BUILDINGS</b> BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BP - Building Public Telecoms BU - Building Public Utilities		<b>DRAWING STATUS</b> <b>FOR TENDER</b> PROJECT NUMBER <b>0334/1 - DCHS - TCS</b> Drawn By: M CHABALALA Designed By: S RAMBAU Reviewed/Approved By: E MENSAH 20100414			<b>No</b> TD <b>Date</b> 11.07.2023 <b>chkd</b> EM <b>Details</b> FOR TENDER		<b>CLIENT</b>  Independent Development Trust		<b>CONSULTANT</b>  CONSULTING SERVICES FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099		<b>PROJECT</b> <b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b> DRAWING TITLE <b>ADMINISTRATION EARTHING &amp; LIGHTNING PROTECTION LAYOUT</b>		Copyright Reserved Project code: DCHS - C - BE - TCS - TDW - 004/2 - TD Status: [ ] Group: [ ] Consultant: [ ] Doc Type: [ ] Seq No: [ ] Rev: [ ] SCALE: 1:100 CHECKED: [ ] REV. No: TD DATE: 11.07.2023	
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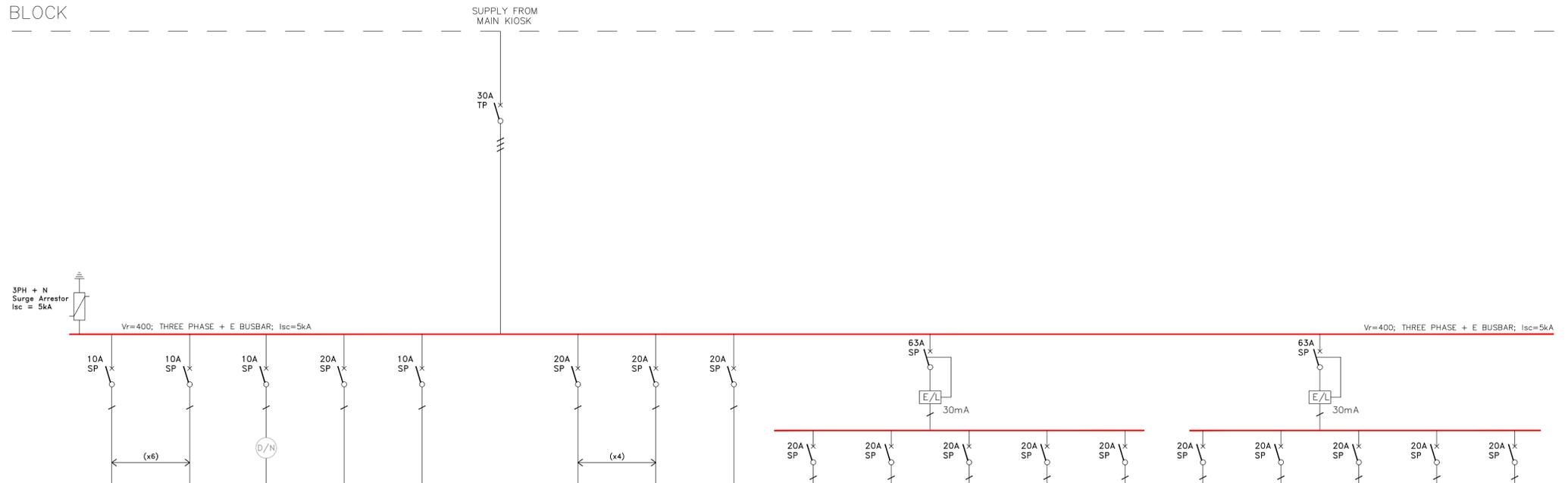


**POWER LEGEND**

ITEM	DESCRIPTION
	TV POINT
	TELEPHONE POINT
	DATA POINT
	SINGLE PHASE ISOLATOR
	SINGLE PHASE ISOLATOR
	THREE PHASE INDUSTRIAL SOCKET OUTLET @1200 A.F.F.L
	SINGLE 16A ZA PLUG SOCKET OUTLET @1200 A.F.F.L
	SINGLE 16A ZA PLUG SOCKET OUTLET @300 A.F.F.L
	SINGLE 16A ZA PLUG SOCKET OUTLET @2200 A.F.F.L
	DOUBLE 16A ZA PLUG SOCKET OUTLET @300 A.F.F.L
	DOUBLE 16A ZA PLUG SOCKET OUTLET @1200 A.F.F.L
	POWER SKIRTING
	PEDESTAL FOR MEETING/PRESENTER'S TABLE CONSISTING OF THE FF: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - SA 2 PIN SOCKET UN-SWITCHED - DATA & TELEPHONE POINTS
	ONE TIER CLUSTER WALL BOX CONSISTING OF THE FOLLOWING: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - SA 2 PIN SOCKET UN-SWITCHED - 2x USB POINTS
	ELECTRICAL DISTRIBUTION BOARD

STATUS CODE 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	Group Codes BUILDINGS BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	DRAWING STATUS <b>FOR TENDER</b>			No	Date	chkd	Details	CLIENT  Independent Development Trust	CONSULTANT  UTAKUSA CONSULTING SERVICES FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	PROJECT <b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b>				Project code Status Group Consultant Doc Type Seq No Rev DCHS - C - BE - TCS - TDW - 001/2 - TD
		PROJECT NUMBER <b>0334/1 - DCHS - TCS</b>			TD	11.07.2023	EM	FOR TENDER			DRAWING TITLE <b>ADMINISTRATION POWER LAYOUT</b>				
Drawn By M CHABALALA		Designed By S RAMBAU		Reviewed/Approved By E MENSAH 20100414		Name S.A.I.D Number Pr Number Name Pr Number Signature									

DB-ADM ADMINISTRATION BLOCK



Circuit Identification	Circuit Description	Lights L1	Lights LB	Lights L9	Geyser SG-01	School Bell BELL	Incomer -	Air Conditioners AC1	Air Conditioners AC6	Extractor Fan EXF-01	Plugs P1	Plugs P2	Plugs P3	Plugs P4	Spare -	Plugs P5	Plugs P6	Plugs P7	Plugs P8	Plugs P9	
Plant Codification	SCP Type	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB
SCP Rating (A)	SCP Rating (A)	10A	10A	10A	20A	10A	30A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A
Cable Size (mm <sup>2</sup> )	Cable Size (mm <sup>2</sup> )	2.5 + 1.5	2.5 + 1.5	2.5 + 1.5	4 + 2.5	4 + 2.5	10 + 6	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	-	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5	4 + 2.5
No. of Cores	No. of Cores	2 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	4 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	2 + Earth	-	2 + Earth					
No. of Cables	No. of Cables	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1
Cable Type	Cable Type	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	-	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC	PVC/SWA/PVC
Cable Lengths (m)	Cable Lengths (m)																				

QTY	DESCRIPTION	FAULT LEVEL
1x	Surface/Wall mount board with lockable door, fitted and wired with the following equipment:	
THREE PHASE BREAKERS		
1x	Surge Arrester	
1x	30A TP	5kA
SINGLE PHASE BREAKERS		
16x	20A SP	
10x	10A SP	5kA
2x	63A Earth Leakage	
-	-	

BOARD PROPERTIES	
Mounting	Surface/Wall mount
Enclosure Material	Galvanised Steel
IP Rating	45
Depth	-
Colour	White
Panels	-
Form	-
Doors	Yes
Access	Front
Power Cable Entry	Bottom
Control Cable Entry	Bottom
Labels	Yes

STATUS CODE	Group Codes BUILDINGS	DRAWING STATUS	No	Date	chkd	Details
0 - Pre - Feasibility study	BP - Building IT	FOR TENDER				
1 - Feasibility study	BP - Building Public Address	PROJECT NUMBER	TD	13.07.2023	EM	FOR TENDER
A - Preliminary Design	BS - Building Service	0334/1 - DCHS - TCS				
B - Design Review	BA - Building Architectural	Drawn By				
C - Tender Design	BE - Building Electrical	Designed By				
D - Detailed Design	BF - Building Fire Service	Reviewed/Approved By				
E - For Construction	BM - Building Mechanical	M CHABALALA				
F - As Built	BT - Building Public Telecoms	S RAMBAU				
G - For Information Only	BU - Building Public Utilities	E MENSAH 20100414				
		Name S.A.I.D Number Name Pr Number Name Pr Number Signature				

CLIENT	CONSULTANT	PROJECT
		DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL ADMINISTRATION SINGLE LINE DIAGRAM

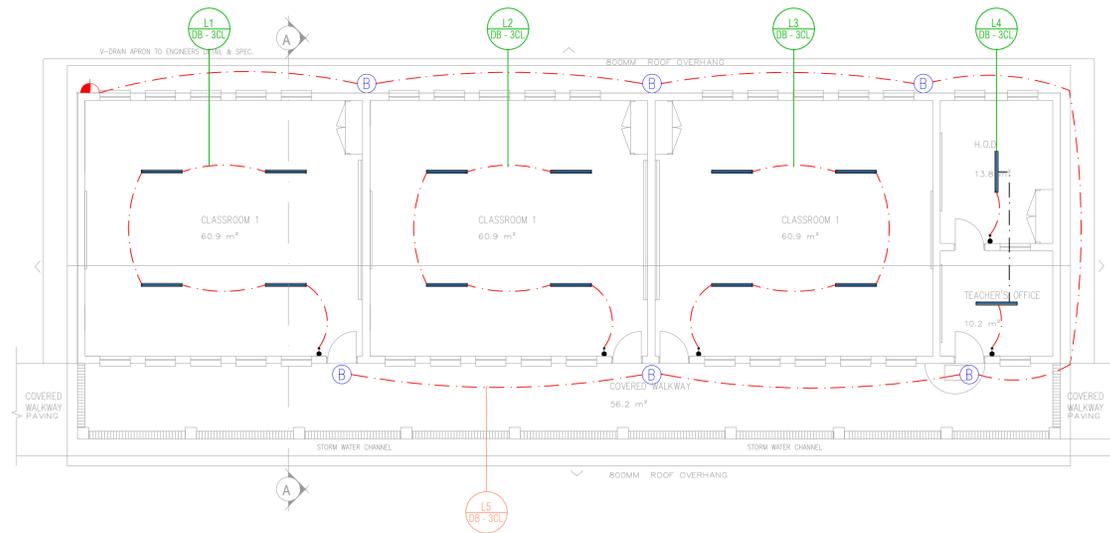
PROJECT	Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL	DCHS - C - BE - TCS - TDW - 003/2 - TD	Copyright Reserved					

CONSULTANT	PROJECT
FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL ADMINISTRATION SINGLE LINE DIAGRAM

PROJECT	Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL	DCHS - C - BE - TCS - TDW - 003/2 - TD	Copyright Reserved					

PROJECT	Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL	DCHS - C - BE - TCS - TDW - 003/2 - TD	Copyright Reserved					

SCALE	1:100
CHECKED	TD
REV. No	
DATE	13.07.2023



**LIGHTING LEGEND**

ITEM	DESCRIPTION	QTY
•	16A SINGLE LEVER LIGHT SWITCH	04
☀/☾	DAY/NIGHT SWITCH	01
Ⓟ	15W LED ROUND BULKHEAD 4000k	06
—	OPAL E-BATTEN 4FT 1140mm 45W - 4000K - IP20	14

STATUS CODE	Group Codes BUILDINGS
0 - Pre - Feasibility study	BP - Building IT
1 - Feasibility study	BP - Building Public Address
A - Preliminary Design	BS - Building Service
B - Design Review	BA - Building Architectural
C - Tender Design	BE - Building Electrical
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G - For Information Only	BU - Building Public Utilities

DRAWING STATUS	
<b>FOR TENDER</b>	
PROJECT NUMBER	
<b>0334/1 - DCHS - TCS</b>	
Drawn By	Designed By
M CHABALALA	S RAMBAU
Name	Pr Number
Reviewed/Approved By	Signature
E MENSAH 20100414	<i>[Signature]</i>

No	Date	chkd	Details
TD	11.07.2023	EM	FOR TENDER

**CLIENT**

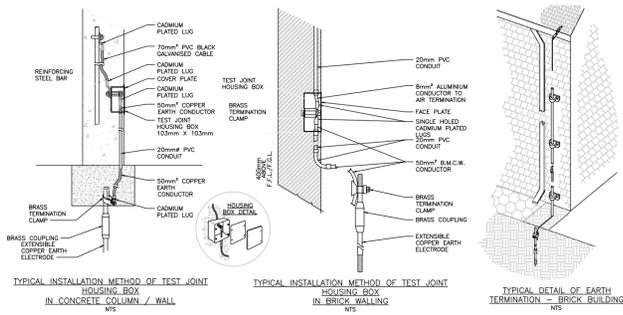
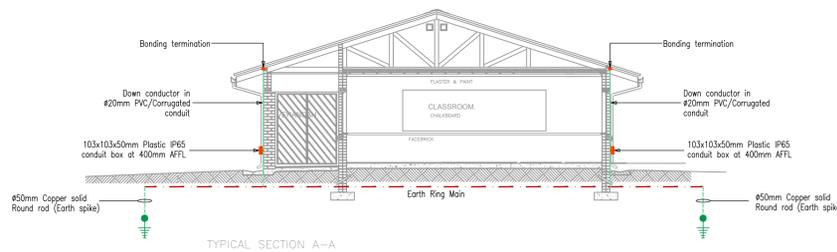
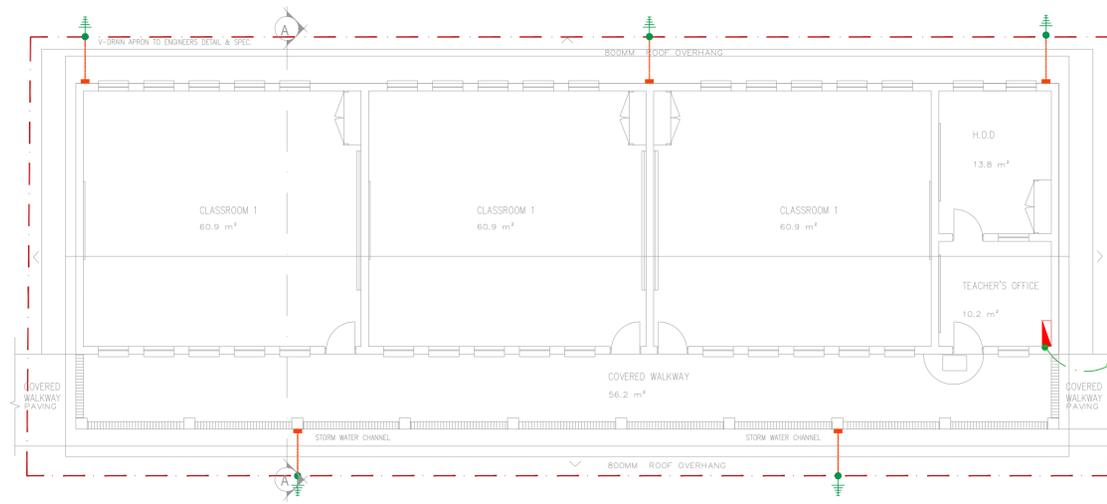
**CONSULTANT**

FOURWAYS OFFICE PARK,  
BLOCK 5, GROUND FLOOR  
Cnr. CEDAR ROAD AND  
FOURWAYS BOULEVARD,  
FOURWAYS,  
2191  
Tel: (+27) 10 110 8724  
Fax: (+27) 86 659 2099

**PROJECT**  
DIRANG KA NATLA COMPREHENSIVE  
HIGH SCHOOL

**DRAWING TITLE**  
3x CLASSROOMS + HOD  
LIGHTING LAYOUT

Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
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DCHS - C - BE - TCS - TDW - 002/3 - TD						
SCALE						1:100
CHECKED						TD
REV. No						
DATE						11.07.2023



**GENERAL NOTES:**

1. EARTH TERMINATION CONDUCTOR TO BE 70mm<sup>2</sup> BCCW.
2. BONDING CONDUCTOR TO BE 50mm<sup>2</sup> BCCW.
3. EARTH ELECTRODE (SPIKE) TO BE #15mm x 1.5m LONG COPPER SOLID ROUND BAR, AND MUST BE 0.5m BURIED BELOW GROUND LEVEL.
4. EARTH CONDUCTOR TO BE 0.5m BURIED BELOW GROUND LEVEL.

**EARTH TERMINATION NOTES:**

**EARTH TERMINATION SYSTEM GENERAL REQUIREMENTS:**

1. TYPE B EARTHING ARRANGEMENT SHALL BE USED FOR ANY BUILDING INSTALLATION.

THE RING EARTH CONDUCTOR (TYPE B ARRANGEMENT) SHOULD PREFERABLY:

- BE BURIED AT A DEPTH OF AT LEAST 0.5m AND
- AT A DISTANCE OF ABOUT 1.5m AWAY FROM THE EXTERNAL WALLS UNLESS STATED OTHERWISE.

2. THE CALCULATION OF AN EARTH TERMINATION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE FORMULAE IN SANS 10199.

**DOWN CONDUCTORS:**

1. DOWN CONDUCTORS MUST BE INSULATED BY AT LEAST 3mm CROSS LINKED POLYETHYLENE.
2. WARNING NOTICES TO BE INSTALLED TO MINIMISE THE PROBABILITY OF DOWN CONDUCTORS BEING TOUCHED.

**EARTHING TEST POINT:**

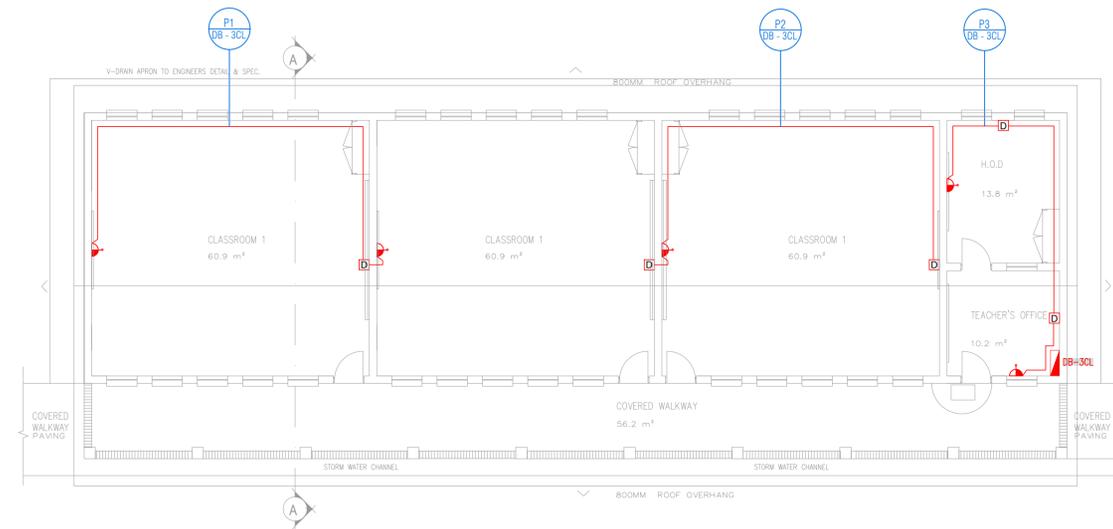
1. EARTHING TEST POINT SHOULD BE CAPABLE OF BEING OPENED WITH THE AID OF TOOL.

THE COMPLETE INSTALLATION MUST COMPLY TO THE FOLLOWING SANS SPECIFICATION:

- SANS 10142: PART 1: THE WIRING OF PREMISES: LOW-VOLTAGE INSTALLATIONS.
- SANS 10198: PART 3: EARTHING SYSTEMS GENERAL PROVISIONS.
- SANS 10198: PART 12: INSTALLATION OF EARTHING SYSTEMS.
- SANS 10199: THE DESIGN AND INSTALLATION OF AN EARTH ELECTRODE.
- SANS 10313: THE PROTECTION OF STRUCTURES AGAINST LIGHTNING.
- SANS 1063: EARTHING SYSTEMS GENERAL PROVISIONS.

SYMBOL	DESCRIPTION
	EARTH CONDUCTOR
	EARTH RING MAIN
	DOWN CONDUCTOR
	EARTHING ROD
	EARTH ELECTRODE (SPIKE)
	BONDING TERMINATION
	EARTHING TEST POINT

STATUS CODE 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	Group Codes BUILDINGS BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	DRAWING STATUS			No	Date	chkd	Details	CLIENT	CONSULTANT	PROJECT	Project code Status Group Consultant Doc Type Seq No Rev
		FOR TENDER			TD	11.07.2023	EM	FOR TENDER	 Independent development trust	 CONSULTING SERVICES	FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	
PROJECT NUMBER		0334/1 - DCHS - TCS		Drawn By	Designed By	Reviewed/Approved By						
Name		S.A.I.D Number		Name	Pr Number	Name	Pr Number	Signature				

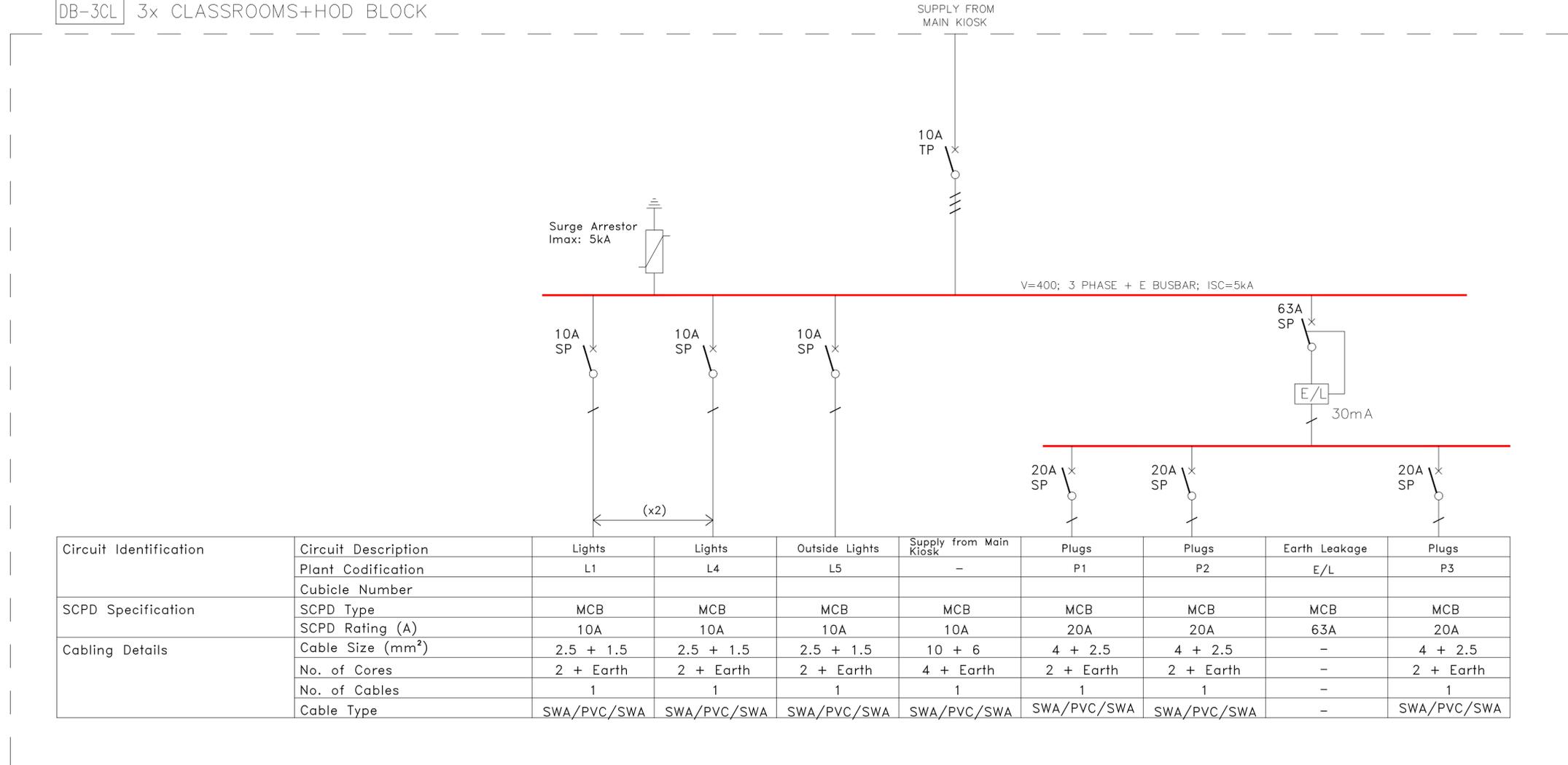


**POWER LEGEND**

ITEM	DESCRIPTION
	SINGLE 16A ZA PLUG SOCKET OUTLET @300 A.F.F.L
	ONE TIER CLUSTER WALL BOX CONSISTING OF THE FOLLOWING: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - 5A 2 PIN SOCKET UN-SWITCHED - DATA & TELEPHONE POINTS
	ELECTRICAL DISTRIBUTION BOARD

STATUS CODE 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	Group Codes BUILDINGS BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	DRAWING STATUS <b>FOR TENDER</b>	No	Date	chkd	Details	CUSTOMER	CONSULTANT	PROJECT	Project code Status Group Consultant Doc Type Seq No Rev
		PROJECT NUMBER <b>0334/1 - DCHS - TCS</b>	TD 11.07.2023 EM FOR TENDER	FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	<b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b>  <b>3x CLASSROOMS + HOD POWER LAYOUT</b>	Copyright Reserved DCHS - C - BE - TCS - TDW - 001/3 - TD				
Drawn By M CHABALALA		Designed By S RAMBAU	Reviewed/Approved By E MENSAH 20100414						SCALE 1:100	CHECKED REV: No DATE 11.07.2023

DB-3CL 3x CLASSROOMS+HOD BLOCK

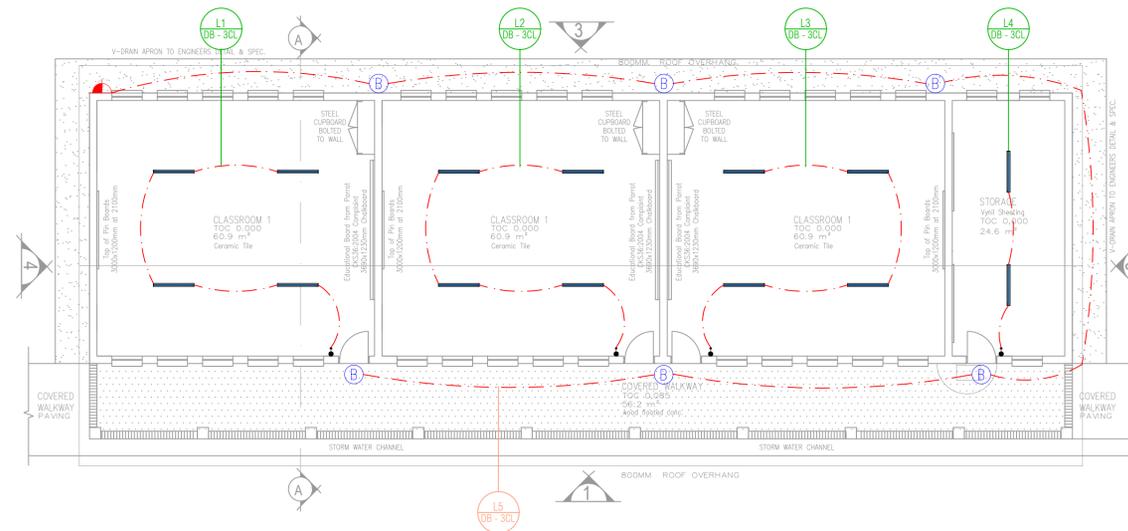


Circuit Identification	Circuit Description	Lights	Lights	Outside Lights	Supply from Main Kiosk	Plugs	Plugs	Earth Leakage	Plugs
	Plant Codification	L1	L4	L5	-	P1	P2	E/L	P3
	Cubicle Number								
SCPD Specification	SCPD Type	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB
	SCPD Rating (A)	10A	10A	10A	10A	20A	20A	63A	20A
Cabling Details	Cable Size (mm <sup>2</sup> )	2.5 + 1.5	2.5 + 1.5	2.5 + 1.5	10 + 6	4 + 2.5	4 + 2.5	-	4 + 2.5
	No. of Cores	2 + Earth	2 + Earth	2 + Earth	4 + Earth	2 + Earth	2 + Earth	-	2 + Earth
	No. of Cables	1	1	1	1	1	1	-	1
	Cable Type	SWA/PVC/SWA	SWA/PVC/SWA	SWA/PVC/SWA	SWA/PVC/SWA	SWA/PVC/SWA	SWA/PVC/SWA	-	SWA/PVC/SWA

BOARD PROPERTIES	
Mounting	Surface/Wall mount
Enclosure Material	Galvanised Steel
IP Rating	45
Depth	-
Colour	White
Panels	-
Form	-
Doors	Yes
Access	Front
Power Cable Entry	Bottom
Control Cable Entry	Bottom
Labels	Yes

QTY	DESCRIPTION	FAULT LEVEL
1x	Surface/Wall mount board with lockable door, fitted and wired with the following equipment:	
THREE PHASE BREAKERS		
1x	Surge Arrestor	5kA
1x	10A TP	
SINGLE PHASE BREAKERS		
3x	20A SP	
5x	10A SP	5kA
1x	63A Earth Leakage	

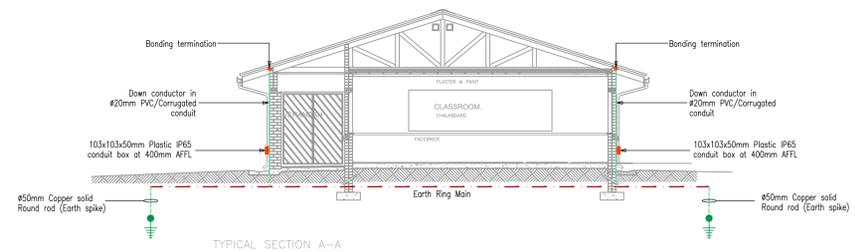
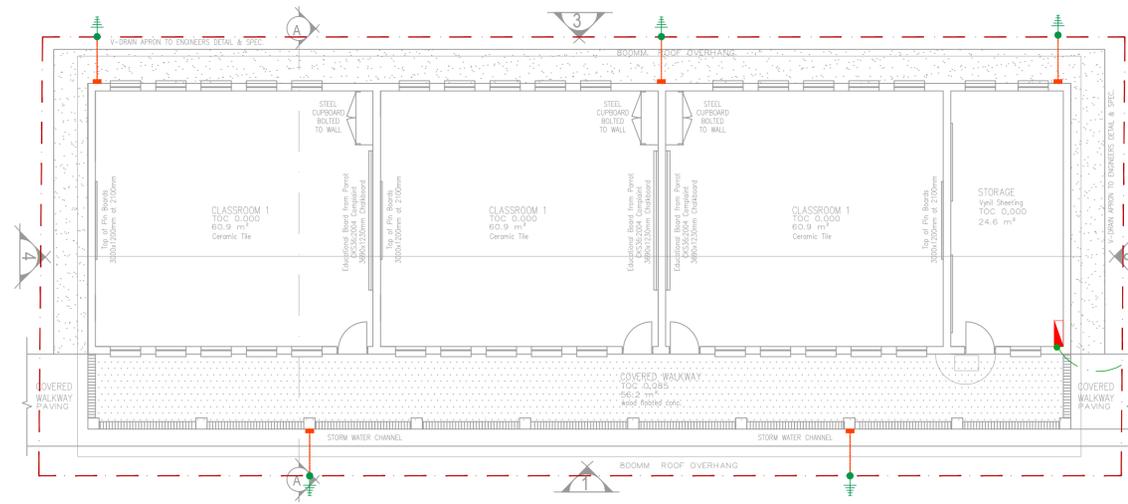
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DCHS - C - BE - TCS - TDW - 003/3 - TD	Copyright Reserved																																																																														
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REV. No																																																																															
DATE	13.07.2023																																																																														



**LIGHTING LEGEND**

ITEM	DESCRIPTION	QTY
•	16A SINGLE LEVER LIGHT SWITCH	04
☀	DAY/NIGHT SWITCH	01
ⓑ	15W LED ROUND BULKHEAD 4000k	06
—	OPAL E-BATTEN 4FT 1140mm 45W - 4000K - IP20	14

<b>STATUS CODE</b> 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only	<b>Group Codes BUILDINGS</b> BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities	<b>DRAWING STATUS</b> <b>FOR TENDER</b>	No	Date	chkd	Details	CUSTOMER	CONSULTANT	PROJECT	Project code Status Group Consultant Doc Type Seq No Rev
		PROJECT NUMBER <b>0334/1 - DCHS - TCS</b>	TD	11.07.2023	EM	FOR TENDER	 Independent development trust	 CONSULTING SERVICES	FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099	
Drawn By: M CHABALALA Designed By: S RAMBAU Reviewed/Approved By: E MENSAH 20100414		Name: S.A.I.D Number: Pr Number: Name: Pr Number: Signature:		Name: Pr Number: Name: Pr Number: Signature:		Name: Pr Number: Name: Pr Number: Signature:		Name: Pr Number: Name: Pr Number: Signature:		Copyright Reserved DCHS - C - BE - TCS - TDW - 002/4 - TD



**GENERAL NOTES:**

- EARTH TERMINATION CONDUCTOR TO BE 70mm<sup>2</sup> BCCW.
- BONDING CONDUCTOR TO BE 50mm<sup>2</sup> BCCW.
- EARTH ELECTRODE (SPIKE) TO BE #15mm x 1.5m LONG COPPER SOLID ROUND BAR, AND MUST BE 0.5m BURIED BELOW GROUND LEVEL.
- EARTH CONDUCTOR TO BE 0.5m BURIED BELOW GROUND LEVEL.

**EARTH TERMINATION NOTES:**  
EARTH TERMINATION SYSTEM GENERAL REQUIREMENTS:

- TYPE B EARTHING ARRANGEMENT SHALL BE USED FOR ANY BUILDING INSTALLATION.  
THE RING EARTH CONDUCTOR (TYPE B ARRANGEMENT) SHOULD PREFERABLY:
  - BE BURIED AT A DEPTH OF AT LEAST 0.5m AND
  - AT A DISTANCE OF ABOUT 1.5m AWAY FROM THE EXTERNAL WALLS UNLESS STATED OTHERWISE.
- THE CALCULATION OF AN EARTH TERMINATION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE FORMULAE IN SANS 10199.

**DOWN CONDUCTORS:**

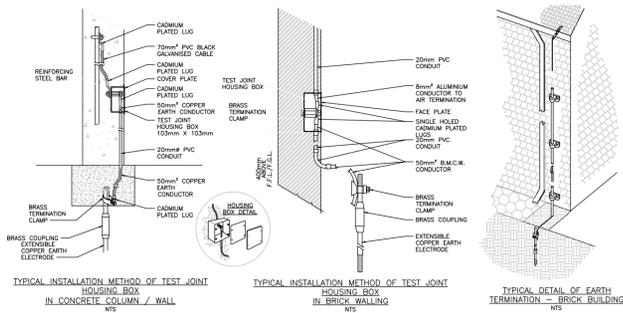
- DOWN CONDUCTORS MUST BE INSULATED BY AT LEAST 3mm CROSS LINKED POLYETHYLENE.
- WARNING NOTICES TO BE INSTALLED TO MINIMISE THE PROBABILITY OF DOWN CONDUCTORS BEING TOUCHED.

**EARTHING TEST POINT:**

- EARTHING TEST POINT SHOULD BE CAPABLE OF BEING OPENED WITH THE AID OF TOOL.

THE COMPLETE INSTALLATION MUST COMPLY TO THE FOLLOWING SANS SPECIFICATION:

- SANS 10142: PART 1: THE WIRING OF PREMISES: LOW-VOLTAGE INSTALLATIONS.
- SANS 10198: PART 3: EARTHING SYSTEMS GENERAL PROVISIONS.
- SANS 10198: PART 12: INSTALLATION OF EARTHING SYSTEMS.
- SANS 10199: THE DESIGN AND INSTALLATION OF AN EARTH ELECTRODE.
- SANS 10313: THE PROTECTION OF STRUCTURES AGAINST LIGHTNING.
- SANS 1063: EARTHING SYSTEMS GENERAL PROVISIONS.



SYMBOL	DESCRIPTION
	EARTH CONDUCTOR
	EARTH RING MAIN
	DOWN CONDUCTOR
	EARTHING ROD
	EARTH ELECTRODE (SPIKE)
	BONDING TERMINATION
	EARTHING TEST POINT

STATUS CODE	Group Codes BUILDINGS
0 - Pre - Feasibility study	BP - Building IT
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DRAWING STATUS		PROJECT NUMBER	
<b>FOR TENDER</b>		<b>0334/1 - DCHS - TCS</b>	
Drawn By	Designed By	Reviewed/Approved By	
M CHABALALA	S RAMBAU	E MENSAB 20100414	
Name	S.A.I.D Number	Pr Number	Signature

No	Date	chkd	Details
TD	11.07.2023	EM	FOR TENDER

**CLIENT**

**CONSULTANT**

**UTAKUSA**  
CONSULTING SERVICES

FOURWAYS OFFICE PARK,  
BLOCK 5, GROUND FLOOR  
Cnr. CEDAR ROAD AND  
FOURWAYS BOULEVARD,  
FOURWAYS,  
2191  
Tel: (+27) 10 110 8724  
Fax: (+27) 86 659 2099

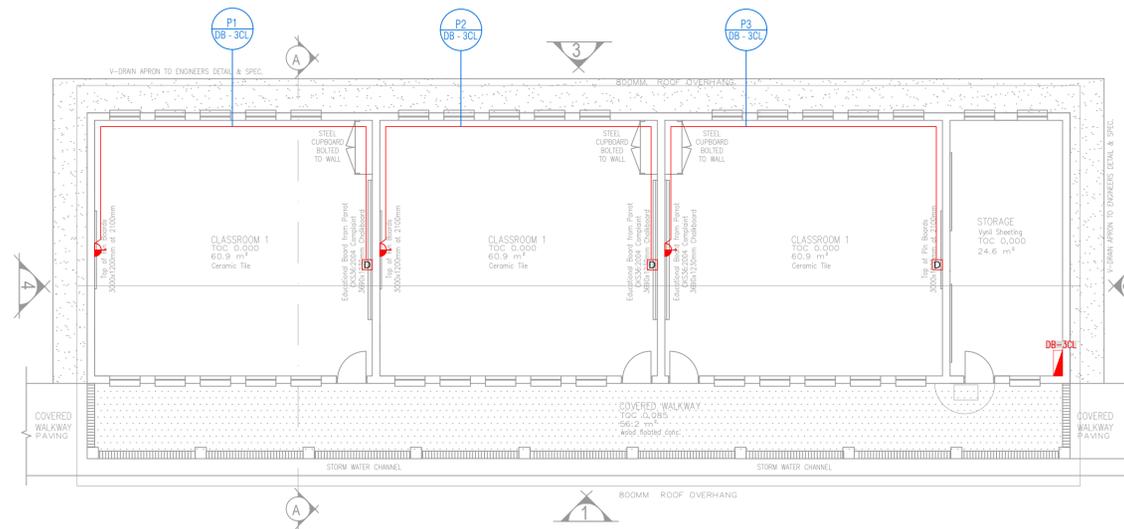
**PROJECT**

**DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL**

**DRAWING TITLE**

**3x CLASSROOMS + STR EARTHING & LIGHTNING PROTECTION LAYOUT**

Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
DCHS - C - BE - TCS - TDW - 004/4 - TD	Copyright Reserved					
SCALE						1:100
CHECKED						TD
REV. No						
DATE						11.07.2023



**POWER LEGEND**

ITEM	DESCRIPTION
	SINGLE 16A ZA PLUG SOCKET OUTLET @300 A.F.F.L
	ONE TIER CLUSTER WALL BOX CONSISTING OF THE FOLLOWING: - 16A NORMAL SOCKET UN-SWITCHED - 16A DEDICATED SOCKET UN-SWITCHED - SA 2 PIN SOCKET UN-SWITCHED - DATA & TELEPHONE POINTS
	ELECTRICAL DISTRIBUTION BOARD

STATUS CODE	Group Codes BUILDINGS	DRAWING STATUS		
		<b>FOR TENDER</b>		
0 - Pre - Feasibility study	BP - Building IT	PROJECT NUMBER		
1 - Feasibility study	BP - Building Public Address	0334/1 - DCHS - TCS		
A - Preliminary Design	BS - Building Service	Drawn By	Designed By	Reviewed/Approved By
B - Design Review	BA - Building Architectural	M CHABALALA	S RAMBAU	E MENSAH 20100414
C - Tender Design	BE - Building Electrical	Name	S.A.I.D Number	Name
D - Detailed Design	BF - Building Fire Service	Name	Pr Number	Name
E - For Construction	BM - Building Mechanical	Name	Pr Number	Signature
F - As Built	BT - Building Public Telecoms	Name	Pr Number	Signature
G - For Information Only	BU - Building Public Utilities	Name	Pr Number	Signature

No	Date	chkd	Details
TD	11.07.2023	EM	FOR TENDER

CLIENT

independent development trust

CONSULTANT

UTAKUSA CONSULTING SERVICES

FOURWAYS OFFICE PARK,  
 BLOCK 5, GROUND FLOOR  
 Cnr. CEDAR ROAD AND  
 FOURWAYS BOULEVARD,  
 FOURWAYS,  
 2191  
 Tel: (+27) 10 110 8724  
 Fax: (+27) 86 659 2099

PROJECT

**DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL**

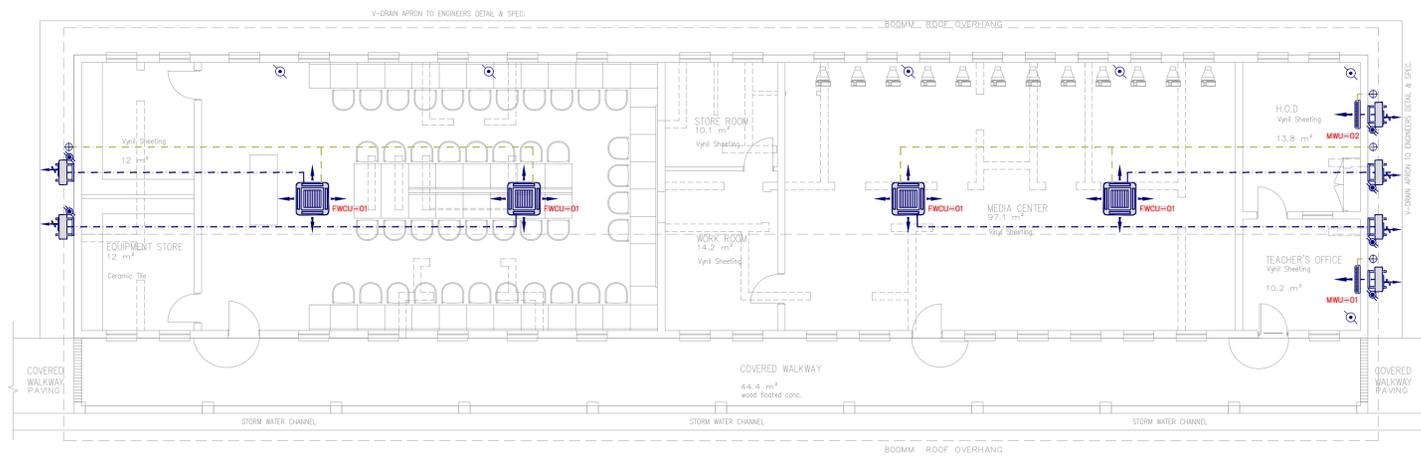
DRAWING TITLE

**3x CLASSROOMS + STR POWER LAYOUT**

Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
Copyright Reserved						
DCHS - C - BE - TCS - TDW - 001/4 - TD						
SCALE						1:100
CHECKED						TD
REV. No						
DATE						11.07.2023

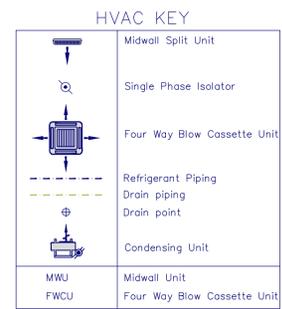






- NOTES:**
- This drawing is to be read in conjunction with the relevant Architectural, Structural and Electrical drawings.
  - The Contractor is responsible for correct field dimensions, clearances, heights, quantities, fabrication processes, techniques of construction and co-ordination of his work with that of all other trades and is to provide all devices necessary for safe and satisfactory operation.
  - The Contractor must adhere to the co-ordination principal shown on the drawing and must inspect all the architectural drawings and other design drawings pertaining to the works and acquaint himself with the general arrangement of all other services and ensure that in fixing his work it will not obstruct the fixing or future maintenance of other services.
  - All duct sizes shown are sheet metal sizes and shall be installed in accordance with the requirements of SMACNA.
  - All ducting to be manufactured and installed in accordance with SANS 1238:2005 and SANS 10173:2003.
  - All exposed ducting on roof to be painted if so required by the Architect to an approved color.
  - All extract air flexible ducts to be of the acoustic type.
  - All openings, sleeves etc. and making good after installation of air conditioning or ventilation equipment and pipe work is by the Builder including cut-outs in doors for door grilles.
  - Power supply to all air conditioning and ventilation equipment is by the Electrical contractor.
  - Final positions of all air conditioning equipment and fans is to be determined on site after co-ordination with the other services and building elements.
  - All condensate drains shall be directed to the nearest drain point.
  - This drawing must not be used for manufacture of ductwork, etc. The contractor is to produce his own Working / Shop drawings for approval by the Engineer before manufacture and installation.

ITEM	QTY	CURRENT (A)	POWER INPUT (kW)	FLOW RATE (L/S)	POWER SUPPLY (pH/Hz/V)	WEIGHT (kg)	COOLING CAPACITY (kW)	HEATING CAPACITY (kW)	DIMENSIONS (HxWxD) (mm)
MWU-01	1	16	0.025	117	1/50/220-240	11	1.7	1.9	290x795x238
MWU-02	1	16	0.029	125	1/50/220-240	11	2.2	2.5	290x795x238
FWCU-01	4	20	2.12	202	1/50/220-240	-	8.0	9.0	204x840x840



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<b>FOR TENDER</b>		<b>0334/1 - DCHS - TCS</b>	
Drawn By	Designed By	Reviewed/Approved By	
N NGCEMU A13204	AA MAHERRY 20190924	AA MAHERRY 20190924	
Name	S.A.I.D Number	Name	Pr Number

No	Date	chkd	Details
TD	10.07.2023	AM	FOR TENDER

**CLIENT**

**CONSULTANT**

**UTAKUSA**  
CONSULTING SERVICES

FOURWAYS OFFICE PARK,  
BLOCK 5, GROUND FLOOR  
Cnr. CEDAR ROAD AND  
FOURWAYS BOULEVARD,  
FOURWAYS,  
2191  
Tel: (+27) 10 110 8724  
Fax: (+27) 86 659 2099

**PROJECT**

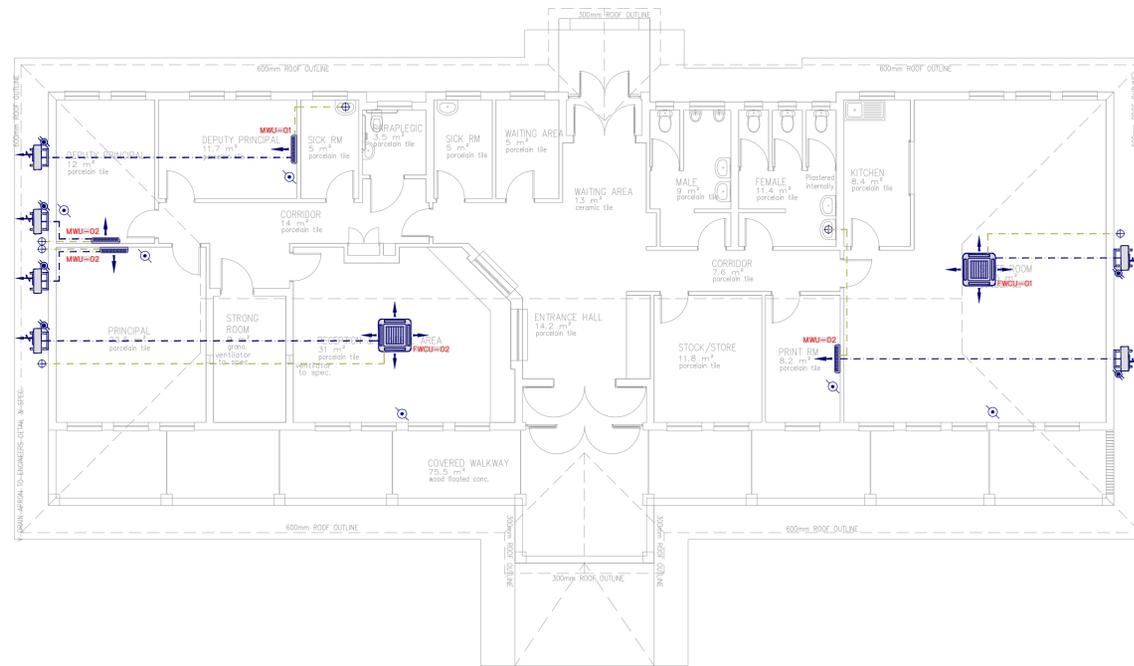
DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL

**DRAWING TITLE**

COMPUTER, MEDIA, LIBRARY CENTRE HVAC LAYOUT

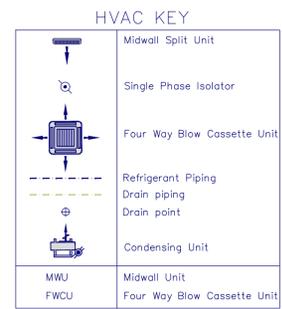
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DCHS - C - BM - TCS - TDW - 001/1 - TD						
SCALE						1:100
CHECKED						TD
REV. No						
DATE						10.07.2023





- NOTES:**
- This drawing is to be read in conjunction with the relevant Architectural, Structural and Electrical drawings.
  - The Contractor is responsible for correct field dimensions, clearances, heights, quantities, fabrication processes, techniques of construction and co-ordination of his work with that of all other trades and is to provide all devices necessary for safe and satisfactory operation.
  - The Contractor must adhere to the co-ordination principal shown on the drawing and must inspect all the architectural drawings and other design drawings pertaining to the works and acquaint himself with the general arrangement of all other services and ensure that in fixing his work it will not obstruct the fixing or future maintenance of other services.
  - All duct sizes shown are sheet metal sizes and shall be installed in accordance with the requirements of SMACNA.
  - All ducting to be manufactured and installed in accordance with SANS 1238:2005 and SANS 10173:2003.
  - All exposed ducting on roof to be painted if so required by the Architect to an approved color.
  - All extract air flexible ducts to be of the acoustic type.
  - All openings, sleeves etc. and making good after installation of air conditioning or ventilation equipment and pipe work is by the Builder including cut-outs in doors for door grilles.
  - Power supply to all air conditioning and ventilation equipment is by the Electrical contractor.
  - Final positions of all air conditioning equipment and fans is to be determined on site after co-ordination with the other services and building elements.
  - All condensate drains shall be directed to the nearest drain point.
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ITEM	QTY	CURRENT (A)	POWER INPUT (kW)	FLOW RATE (L/S)	POWER SUPPLY (pH/Hz/V)	WEIGHT (kg)	COOLING CAPACITY (kW)	HEATING CAPACITY (kW)	DIMENSIONS (HxWxD) (mm)
MWU-01	1	16	0.77	142	1/50/220-240	-	2.8	3.7	286x770x225
MWU-02	3	16	1.00	168	1/50/220-240	-	3.8	4.4	286x770x225
FWCU-01	1	16	1.41	178	1/50/220-240	-	5.3	5.3	204x840x840
FWCU-02	1	16	2.88	293	1/50/220-240	-	11.2	12.8	246x840x840



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<b>FOR TENDER</b>		<b>0334/1 - DCHS - TCS</b>	
Drawn By	Designed By	Reviewed/Approved By	
N NGCEMU A13204	AA MAHERRY 20190924	AA MAHERRY 20190924	
Name	S.A.I.D Number	Name	Pr Number
		Signature	

No	Date	chkd	Details
TD	10.07.2023	AM	FOR TENDER

**CLIENT**

**CONSULTANT**

**UTAKUSA**  
CONSULTING SERVICES

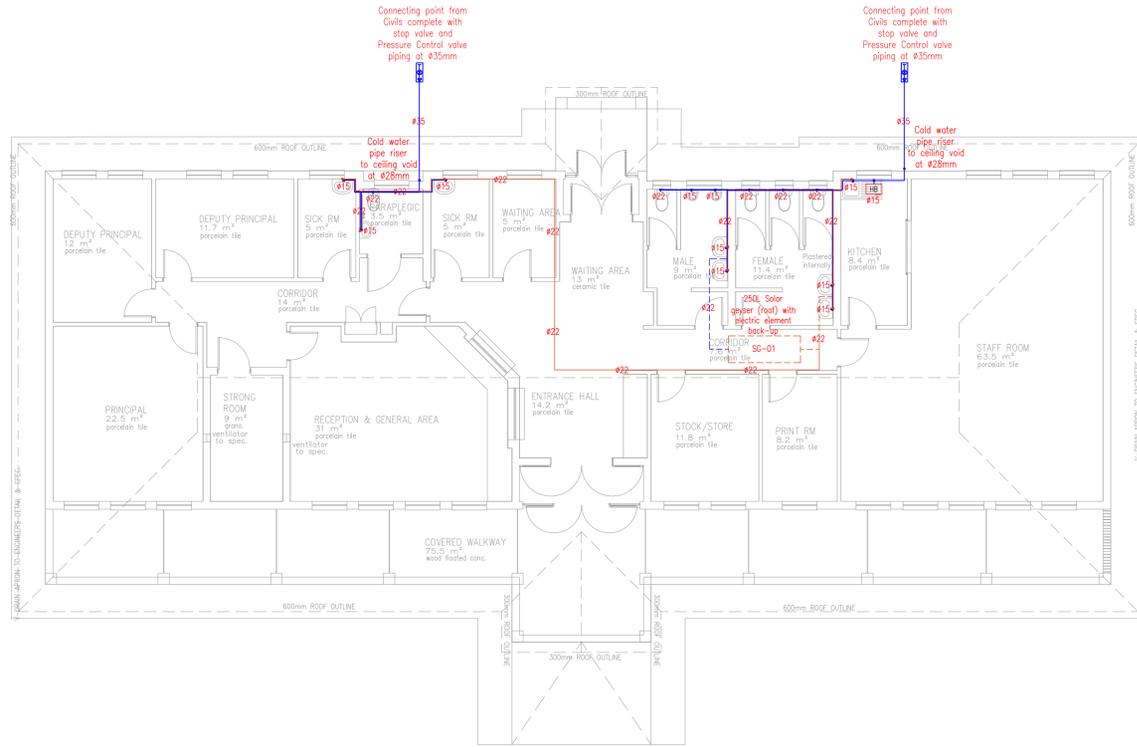
FOURWAYS OFFICE PARK,  
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2191  
Tel: (+27) 10 110 8724  
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**PROJECT**

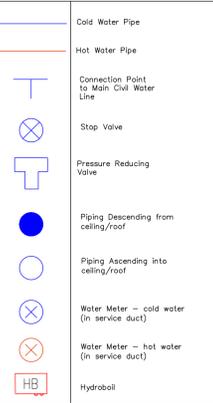
**DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL**

**ADMINISTRATION HVAC LAYOUT**

Project code	Status	Group	Consultant	Doc Type	Seq No	Rev
Copyright Reserved						
<b>DCHS - C - BM - TCS - TDW - 001/2 - TD</b>						
SCALE						1:100
CHECKED						<b>TD</b>
REV. No						
DATE						10.07.2023



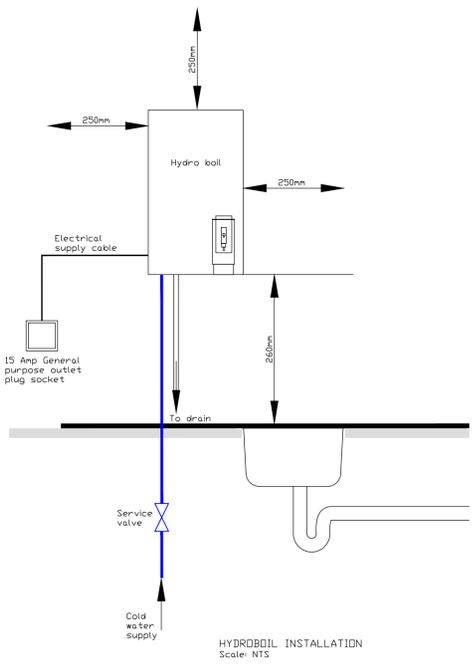
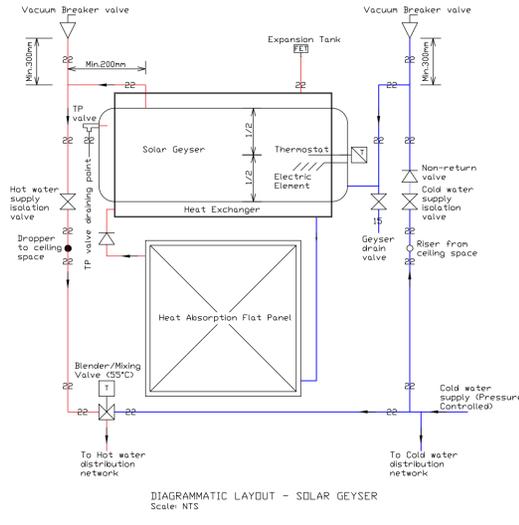
**WET SERVICES LEGEND**



MAXIMUM DISTANCES BETWEEN PIPE SUPPORTS			
MATERIAL	Size (mm)	Vertical	Low Horizontal Gradient (m)
Copper	32-40	2,4	1,8
	50	3	2,4
	65-100	3,7	3
Galvanized Iron/Steel	25	3	2,4
	40-50	3,7	2,7
	65-75	4,6	4
Polyethylene - PE	32-40	1,2	0,5
	50	1,2	0,6
	65-100	1,8	0,9
Polypropylene-PE	32-40	1,2	0,5
	50	1,2	0,6
	65-100	1,8	0,9
uPVC	32-40	1,2	0,6
	50	1,2	0,6
uPVC	65-100	1,8	1,2
	150	1,8	1,2

PIPE-WORK AND INSULATION SCHEDULE FOR DOMESTIC WATER			
SYSTEM	MATERIAL	JOINTS AND FITTINGS	INSULATION
HOT	COPPER, SANS 0460 CLASS 0 (HARD DRAWN)	SOFT SOLDER, CAPILLARY	POLYETHYLENE 15mm OR NITRILE RUBBER 15mm
COLD	<50mm PVC-U SANS 966-1:2004 50mm and BIGGER PVC-M SANS 966-1:2004	SPIGOT AND SOCKET PIPE WITH INTEGRAL SOCKET AND LOCKED-IN RUBBER RING SEAL.	(AR-O-FLEX AND ARMSTRONG OR EQUAL AND APPROVED)
BELOW THE GROUND COLD WATER SUPPLY	<50mm PVC-U SANS 966-1:2004 50mm & BIGGER PVC-M SANS 966-1:2004	SPIGOT AND SOCKET PIPE WITH INTEGRAL SOCKET AND LOCKED-IN RUBBER RING SEAL.	(AR-O-FLEX AND ARMSTRONG OR EQUAL AND APPROVED)

- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS ISSUED TO THE CONTRACTOR.
  - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE LOCATION OF SERVICES, ACCESS POINTS, TEST POINTS AND EQUIPMENT ON SITE PROVIDE FOR SAFE COMMISSIONING AND MAINTENANCE IN ACCORDANCE WITH THE SANS REGULATIONS.
  - THE CONTRACTOR IS RESPONSIBLE FOR SETTING OUT THE CONTRACT WORKS AND SHALL TAKE ALL MEASUREMENTS NECESSARY TO ENSURE THE WORKS ARE BUILT IN ACCORDANCE WITH GOOD PRACTICE, THE CONTRACT DRAWINGS, SPECIFICATIONS AND O.H.S. ACT.
  - IT SHALL BE INCIDENT ON THE CONTRACTOR TO CO-ORDINATE THE SERVICES WITH ALL OTHER WORKS AND OBTAIN ALL INFORMATION NECESSARY FOR THE INSTALLATION FROM THE RELEVANT PARTIES.



<b>STATUS CODE</b> 0 - Pre - Feasibility study 1 - Feasibility study A - Preliminary Design B - Design Review C - Tender Design D - Detailed Design E - For Construction F - As Built G - For Information Only		<b>Group Codes BUILDINGS</b> BP - Building IT BP - Building Public Address BS - Building Service BA - Building Architectural BE - Building Electrical BF - Building Fire Service BM - Building Mechanical BT - Building Public Telecoms BU - Building Public Utilities		<b>DRAWING STATUS</b> <b>FOR TENDER</b> PROJECT NUMBER <b>0334/1 - DCHS - TCS</b> Drawn By: N NGCEMU A13204 Designed By: AA MAHERRY 20190924 Reviewed/Approved By: AA MAHERRY 20190924			<b>No</b> TD <b>Date</b> 10.07.2023 <b>chkd</b> AM <b>Details</b> FOR TENDER		<b>CLIENT</b> 		<b>CONSULTANT</b> 		<b>PROJECT</b> FOURWAYS OFFICE PARK, BLOCK 5, GROUND FLOOR Cnr. CEDAR ROAD AND FOURWAYS BOULEVARD, FOURWAYS, 2191 Tel: (+27) 10 110 8724 Fax: (+27) 86 659 2099		<b>DIRANG KA NATLA COMPREHENSIVE HIGH SCHOOL</b> <b>ADMINISTRATION WET SERVICES LAYOUT</b>		Project code: DCHS - C - BM - TCS - TDW - 002/2 - TD Status: Reserved Consultant: DCHS Doc Type: TCS Seq No: 002/2 Rev: TD SCALE: 1:100 CHECKED: [Signature] REV. No: [Signature] DATE: 10.07.2023	
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# **ADDENDUM C**

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## **Environmental Management Plan**

TO BE PROVIDED BY THE SUCCESSFUL BIDDER

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# **ADDENDUM I**

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## **Drawings**

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# **ADDENDUM J**

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**IDT Addendum to the JBCC**



## **ADDENDUM**

To the

# **THE JBCC PRINCIPAL BUILDING AGREEMENT**

**NAME OF PROJECT:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## INTRODUCTION

**WHEREAS**, the Independent Development Trust (“IDT”) made an Offer of Appointment and the Contractor has accepted such appointment subject to the conditions stipulated in the aforesaid Offer of Appointment Letter, which conditions include signing of the JBCC Agreement, Edition ..... (hereinafter referred to as “Main Agreement”).

**AND WHEREAS**, this addendum shall form part of the Main Agreement between the Employer and the Contractor.

### 1. ADDENDUM TO THE MAIN AGREEMENT

1.1 This Agreement will constitute an Addendum to the Main Agreement as contemplated herein;

1.2 The Terms of Reference, Accepted Proposal or BID, Standard Conditions of BID, Special Conditions of BID and adjusted Priced Bills of Quantities shall form part of the agreement between the Contractor and the Employer;

1.3 This Addendum will be deemed to incorporate, with or without variation, all the provisions of the Main Agreement, unless the context clearly requires otherwise;

1.4 All words and phrases used in this Addendum which are defined in the Main Agreement, will bear the same meaning assigned to them in the Main Agreement; and

1.5 All references in the Main Agreement to “the/this Agreement” itself, will be deemed to be references also to the Main Agreement duly amended by this Addendum.

#### 1.6 Interpretations and Definition

1.6.01 **Financial Implications** shall mean the variation amount over and above the awarded contract sum.

## **2. SPECIAL CONDITION**

If there is any conflict between the contents or any part of this Addendum and the contents or any part of the Main Agreement and other annexures, the content of this Addendum shall prevail.

## **3. WAIVER OF CONTRACTOR'S LIEN**

- 3.1 The Contractor hereby waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site.
- 3.2 The Employer, as an Organ of State, shall not be required to provide payment guarantees.

## **4. ASSIGNMENT OF RIGHTS OR OBLIGATIONS**

- 4.1 Neither **party** shall assign or cede rights or obligations without the written consent of the other **party**, which consent shall not be unreasonable withheld.
- 4.2 Where the Contractor intend to cedes any right to monies due or to become due under this agreement as security in favour of a financial institution, a written consent in accordance with clause 4.1 above, shall be obtained from the Employer prior to entering into such cession.
- 4.3 Any cession entered into without the necessary written consent from the either party, shall be null and void.
- 4.4 The Employer shall not consent to a cession of monies due or to become due under this agreement as security in favour of a financial institution, unless such financial institution submitted to the IDT a Valid Tax Clearance Certificate, is registered as a credit provider in terms of the National Credit Act and as a vendor in the IDT's Vendor Management System.

## 5 INTERIM PAYMENT

- 5.1 The **Employer** shall, in accordance with clause 8.2.3 of the treasury regulation of March 2005, pay to the **Contractor** the amount certified in an interim **payment certificate** within **thirty (30) calendar days** of the date of submission of the **payment certificate**".
- 5.2 Default interest, where applicable, shall only be effective after the 30 calendar days of the date of receipt of the interim **payment certificate from the Principal Agent**.
- 5.3 The Employer shall be entitled to apply a set-off against a legitimate and liquid claim against the Contractor from which a valid invoice has been received.

## 6 TAX COMPLIANCE MEASURES

- 6.1 The Contractor hereby grant confirmation that SARS may, on on-going basis during the contract term, disclose the Contractor's tax compliance status to the employer.
- 6.2 Should the Contractor appoint a sub-contractor to execute a portion of a work in excess of the threshold (currently 25%) prescribed by the National Treasury, the Contractor must ensure that a sub-contractor is tax compliant and remains tax compliant for the full duration of the contract. The contractor shall obtain a written consent from its sub-contractors confirming that SARS may on on-going basis during the contract term, disclose the sub-contractor's tax compliance status to the employer.
- 6.3 The Contractor shall submit a valid tax clearance certificate within 10 working days from the date of expiry of the tax clearance certificate. The Employer reserve the right to demand a valid Tax Clearance Certificate prior to making any payment to the Contractor, should it become aware that the tax clearance corticated has expired.
- 6.4 Unless the Employer receive a written confirmation that the Contractor has challenged its tax compliance status with SARS, the Employer shall not process

any payment to the Contractor, if 30 days has lapsed since the written notice by the Employer and the Contractor has failed to remedy its tax compliance status.

- 6.5 Employer's non-payment of the Contractor's invoice in accordance with clause 6.4 above shall not absolve the contractor from performing its obligation in terms of the contract.
- 6.6 Unless the Employer receives a written confirmation that the Contractor or sub-Contractor has challenged its tax compliance status with SARS, the Employer shall be entitled to cancel the contract with the Contractor or instruct the Contractor to cancel its contract with the Sub-Contractor.
- 6.7 Where a Contractor is a JV, each party to a JV must be tax compliant and remains tax compliant for the full duration of the contract, failing which, the Employer shall invoke paragraph 6.4 or 6.6 above.

## **7. APPROVAL OF VARIATION ORDERS**

- 7.1 Upon receipt of the Variation Order (VO), the Principal Agent must professionally consider the merits of the Variation Order and make a recommendation to the Employer.
- 7.2 The Principal Agent shall not have the power to approve any deviation or variation which has financial implications on the Employer without the necessary written approval of the Employer, except under emergency circumstances wherein failure to undertake the work may result in loss of life.
- 7.3 The Employer must communicate the approval of a Variation Order in writing to the Principal Agent and the Principal Agent shall, upon receipt of confirmation of the approval of the VO, issue the necessary Contract Instruction to the contractor to undertake the works.
- 7.4 The Contractor shall not commence with any Variation Order Works without the written approval of the Variation Order from the Employer, except under circumstances mentioned in paragraph 7.2 above.

- 7.5 Should the Contractor undertakes the Variation Order Works without the necessary written approval of the Variation Order from the Employer, the Contractor shall be entirely liable for any financial and any related implications and hereby indemnify and hold harmless the Employer from and against any and all claims, actions, damages, liabilities, injuries, costs, fees, expenses, or losses, including and without limitation, reasonable attorney's fees and costs of investigation and litigation, whatsoever which may be incurred by, or for which liability may be asserted against, the Employer arising out of the Contractor's performance or non-performance of unauthorized works, but only to the extent caused by the negligent acts, errors or omissions of the Contractor.
- 7.6 The Contractor shall not accept any instructions from any party, including beneficiary Department, other than the Principal Agent.

## **8. JOINT VENTURE AGREEMENT**

- 8.1 Should the Joint Venture Agreement be dissolved or any of the JV partner pull out the JV Agreement for any reasons whatsoever, the Employer hereby reserve its right to terminate the contract with immediate effect.
- 8.2 Should the Employer decide not to terminate the contract upon the dissolution of the JV Agreement and the replacement JV partner does not meet the BBBEE threshold stipulated in the BID document, the IDT shall be entitled to cancel the contract with immediate effect.
- 8.3 Should the BBBEE status of the Joint Venture be changed to a lower rate than the Bidding rate, based on legislation applicable at the closing date of the
- 8.4 BID, the IDT shall be entitled to cancel the contract.

**9. BREACH**

9.1 In the event that the contractor: -

9.1.1 commits an act of insolvency; or

9.1.2 is placed under a provisional or final winding-up or judicial management order; or

9.1.3 is placed under or applied for business rescue; or

9.1.4 makes an assignment of more than 25% of either its right and/or its obligation for the benefit of the third party without the written consent of the employer; or

9.1.5 the Contractor is registered or fails to renew his registration with the CIDB or changes directorship during the course of the project, resulting in the contravention of BBBEE statutory requirement; or

9.1.6 fails to satisfy or take steps to have set aside any judgment taken against it within 14 (Fourteen) business days after such judgment has come to its notice,

then the other Employer will be entitled to terminate the Agreement on written notice.

Signed at ..... on this the ..... day of .....**2023.**

**AS WITNESSES:**

1. \_\_\_\_\_

\_\_\_\_\_

For and on behalf of the **Employer:**  
(.....), in his/her  
capacity as the .....

2. \_\_\_\_\_

\_\_\_\_\_

For and on behalf of the **Employer:**  
(.....), in his/her  
capacity as the -----  
-----.

Signed at ..... on this the ..... day of ..... **2023**

**AS WITNESSES:**

3. \_\_\_\_\_

4. \_\_\_\_\_

\_\_\_\_\_

For and on behalf of the **Contractor:**  
.....  
in his/her capacity as  
.....,  
who hereby confirm that he/she is  
duly authorized

